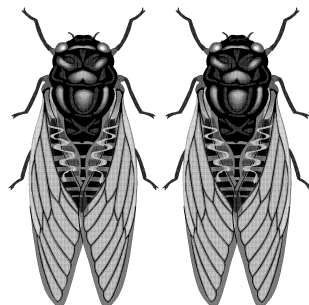


# THE ESO Newsletter

June 2006

Volume 11, Issue 1



## Terrible Beauty

Having the walls of your home covered in thousands of bugs may sound like a terrible nightmare unless of course you are an entomologist – or an artist that sees the beauty in bugs. Jennifer Angus, (Madison, Wisconsin) the creator of Terrible Beauty is such an artist and

she recently covered the walls with bugs at the Textile Museum of Canada (Toronto, Ontario).

As an entomologist I saw the beauty and appreciated the amount of work in this piece of installation art that uses thousands of pinned insect specimens to recreate 18<sup>th</sup> century wallpaper. Imagine a room with the walls decorated with huge flowers – the stems made of cicadas placed wingtip to wingtip, and the rosettes made of grasshoppers, Malaysian stick insects or groups of cicadas. As you enter the room you see the flowers but as you gaze at the flowers your focus moves to the insects.

And the flower room is only one of four. The walls of the three other rooms are covered with kaleidoscopic patterns that mimic textiles from India, Japan and Egypt. Amazingly this is all achieved with less than 2 dozen species of insects: six species cicadas, five of grasshopper, one dimorphic walkingstick, 1 leaf butterfly, and nine beetles. Even at that one visitor marveled at the diversity! I wanted to take her on a backyard safari to show her some real diversity.

The artist reassures all that she uses only non-endangered species purchased from reputable dealers. She hopes her displays will make people aware of the insects and get them "excited and perhaps motivate them to get involved with one of the many rain forest preservation projects."

I sat in the centre of the amazing room, on a large cushion made of silk brocade with dragonflies, absorbing the art and reading the walls. Most of one wall is covered in a variety of green leaf bee-

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OFFICERS OF THE ENTOMOLOGICAL SOCIETY OF ONTARIO

tles that spell out part of Alice in Wonderland's conversation with the gnat. "What kind of insects do you rejoice in where *you* come from?" asked the gnat.

I listened to museum patrons that had come to see textiles and instead ended up rejoicing in the bugs on the walls. There were many *ohs* and *ahs* as they marveled at this new perspective on bugs. But one lady's comments summed up the concept of the exhibit's title. She said "Look at the colours – so wonderful, but if they suddenly came to life, I'd be out of here!"

It was an amazing afternoon. Unfortunately *Terrible Beauty's* run at the Textile Museum has finished. If you want to see pictures of *Terrible Beauty* or learn more about Angus' art go to her website and click on the weevil ([www.jenniferangus.com](http://www.jenniferangus.com)).

**Margaret Pickles**



## ESO President's Message:

*Present, future and a look at the past*

Greetings, fellow ESO members. I wish all of you a safe and successful year in your entomological and other pursuits. I am pleased to represent you as President this year. The ESO has been actively promoting entomology in 2006 and more activities are well underway.

The 143rd Annual Meeting of the ESO will be held at the OMAFRA Conference Centre in Guelph (the same location as in 2003), from Friday to Sunday, 27–29 October. The theme for this year is "The many facets of Entomology". Jim Corrigan began organizing this meeting, but was then offered a position in Vernon, BC. So Ontario and the ESO have lost an enthusiastic colleague who chaired the Public Education Committee, helped organize the 2003 Annual Meeting, was President of ESO in 2004, and was active in the Society in many other ways over the years. I wish him luck in his new position. Our Annual Meeting will continue to be organized by a very capable group of entomologists in Guelph and is co-chaired by Ziggy Kullik and Sheila Goodfellow. I encourage any other ESO members, especially students at the University of Guelph, to help them out in any way they can.

The ESO was present at the second Ontario Insect Fair, held in Mississauga on 23 April. I had the good fortune to visit the Fair for a couple of hours near the end of the day. Our Public Education Committee and Board members Margaret Pickles, Dana Gagnier, Laura Timms and Christie Bahlai presented a very informative display on ladybird beetles, with crafts to engage the children. Many thanks to them. As the only child-friendly display, the ESO presence was much appreciated by the Fair organizers and fair-goers. Throughout the day, Margaret announced the winners of our many poster draws and brought attention to the ESO which brought yet more children and their parents to the display. Perhaps some of the children attending the fair will become future entomologists as a result.

A contract was signed this spring with a new technical editor, Amy Rutgers-Kelly, who is already busy helping our current Journal Editor, Dr. Miriam Richards, produce volume 136. The hope of the Journal's editorial staff is to produce two more issues of JESO (in addition to volume 135, sent out only weeks ago) so that volume-year will once again begin to correspond to year of publication. One of these volumes will be dedicated to the late Dr. D.H. Pengelly and contain papers authored by his former students. If any of you have manuscripts ready to submit, especially if they are on Ontario insects, please send them soon to Miriam. It gives me pleasure to thank Dr. Yves Prévost, editor of the Journal since 2001, for his enthusiasm and hard work over the past 5 years and for helping Miriam take over the Editorship. Yves just graduated with a law degree, having decided to change careers a few years ago. Congratulations!

*. . . continued on page 3 . . .*

## Obituary: Mr. M.G. Thomson

### The ONLY Life Member of the Entomological Society of Ontario

The only Life Member of the Entomological Society of Ontario, **Melville Gerald Thomson** of Vancouver, passed away on July 13, 2005.

As a student in 1947 at the University of British Columbia, Mr. Thomson won the President's Award of the Entomological Society of British Columbia. His mentor, Dr. George Spencer recommended that he use the award to obtain a Life Membership with the Entomological Society of Ontario.

After obtaining his BSc from the University of British Columbia in 1947, Mr. Thomson received his MSc from the University of California-Berkeley in 1949. During the 1950's Mr. Thomson supervised various ecological research projects with Canada Agriculture. Mr. Thomson was very active with a variety of volunteer organizations in Vancouver, and was a recipient of the Queen's Golden Jubilee Medal for volunteer service.

#### Dave Hunt

*Special thanks to ESO Member Dave Hunt for submitting this piece.*

## ESO PINS:

Look for these 1" diameter pins on sale at the **ESO Registration desk** during the **143rd Annual Meeting** held 27-29 October 2006 in Guelph, ON.



**NEWSLETTER CORRECTION:** Our previous issue of the *ESO News* (10:2) congratulated ESO Member, Dr. David Pree on his retirement and thanked him for his hard work as Associate Editor of JESO for the past 14 years. Please note that **Dr. Pree was an Associate Editor for our Society's Journal for the past 22 years (1983–2005)**. On behalf of the ESO, we thank Dr. Pree for 22 years of dedicated service to JESO!

*ESO President's Message . . . continued from page 2 . . .*

We are looking for a new newsletter editor to begin in 2007. Dana Gagnier has done a wonderful job producing the newsletter since 2004 and this year will be her last. Congratulations and thanks, Dana.

I thank the remaining Board members – Christine Bahlai (Student Representative), Kevin Barber (Treasurer), Jim Brett (Librarian), Blair Helson (President-Elect), Dave Hunt (Secretary), Fiona Hunter (Past President), Barry Lyons (Webmaster), – and Directors – Patrice Bouchard, Hannah Fraser, Margaret Pickles, Laura Timms, Gary Umphrey, and Sherah Vanlaerhoven for their contributions to the smooth running of ESO affairs during their current terms of office. Our auditors, Leo Cadogan and Carl Nystrom also worked hard behind the scenes to ensure that our finances were being correctly and accurately reported.

### *Now for a look at the past . . .*

I thought it would be interesting to check back about 50 years to see what was being reported in the Annual Report of the ESO, as it was then called, to consider what has changed, and what has not. This period was only a few years after Watson and Crick determined the structure of DNA, and several to many years before scanning electron microscopy, personal computers, and other technological marvels came along.

Volume 86 (1955) included two symposia, one on nutritional requirements and artificial diets, the other on changing faunal ranges. The submitted papers section included 11 papers, six dealing with insecticide control of various pests and five on various aspects of biology.

Volume 87 (published in 1957) was the 10th International Congress of Entomology (Montreal). ESO therefore published a symposium on some of the Congress highlights, and covered the full range of entomological disciplines, as do today's international congresses. The regular 'Submitted Papers' section included eight papers, covering biology, ecology and genetics.

There was more emphasis on physiology and toxicology back then compared to today, mainly because a lot of reliance was being placed on synthetic insecticides for pest control. Plenty of space was still devoted to reports on basic biology and life histories of all kinds of insects. The one discipline not covered was taxonomy; however, the International Congress had a good section on this. An occasional paper treated something more general. One of particular interest (volume 87: 42–47), entitled 'Training the Entomologist', by A. West. Perhaps this should be required reading for anyone teaching or studying entomology in our Universities. Employers of entomologists should also read it. The author refers back to an earlier symposium, reported in volume 79: 58–65 (1948) in which the need for broad education is stressed and that training should continue with the employers. All still true today, I suspect, though given the huge increase in, and ease of access to, information today more specialization is inevitable.

Technological advances appear to be the main driving force for differences in how things are done today compared to the 1950s. In taxonomy, a radical change in theory (cladistics) was equally important and in pest management more emphasis is now placed on sustainable methods and preservation of the environment. The types of entomological problems requiring solutions are the same today as in the past: lots of pests – many still the same as 50 years ago, insecticide resistance, introduced species, lack of biological

and taxonomic knowledge for many insects, the need for more, well trained scientists, and so on, but the emphasis and context is different.

Even though knowledge has greatly increased, individuals, and their needs and aspirations, remain the same as 50 years ago. I like the comment by West 'We, the teacher and employer, need to be humble, humble in the face of the responsibility we assume for the training of the entomologist as a scientist, as an artist – for the practice of entomology is an art – and perhaps most of all, and to an extent more than we realize, as a fellow citizen'.

Over its long history, your Society has had an important role in promoting entomology in Ontario, especially through its Annual Meetings and Journal. Together with the Universities in which these meetings have been held we should be thankful that what we accomplish is due to the hard work, diverse interests and capabilities, and willing hands of numerous teachers, researchers, and students. We must promote first the dignity and contribution of the individual. While it may be increasingly costly to run such scientifically successful programs, our collective participation in and support of our Annual Meeting in Guelph this October will benefit us all.

I encourage all of you to help make the rest of 2006 a success for ESO by supporting both its publications and its yearly Meeting.

**John Huber**

## Obituary: MIKE SPIRONELLO

### ESO Student Member

Mike Spironello, dear friend and colleague to many of us in the ESO and Department of Zoology, University of Toronto, passed away unexpectedly on Thursday May 25, 2006 after teaching one of his beloved spinning classes. That someone of Mike's youth and vigor could be taken in such a fashion is incomprehensible to anyone who knew him. Mike excelled at everything he did, whether it be his academic studies, his music, or his passion for cycling. Furthermore, he was also among the most gentle and sweet-souled individuals with whom I have ever been associated. Mike will be deeply missed by all who knew him.

A funeral service was held on Monday, May 29, at 1:00 PM at Patterson Funeral Home, 6062 Main Street, Niagara Falls, Ontario. In lieu of flowers, tax-deductible donations may be sent to the Entomological Society of Canada, 393 Winston Avenue, Ottawa, Ontario, K2A 1Y8. Cheques should be made payable to the Entomological Society of Canada and indicate either "Biological Survey Fund" or "Kevan Fund" in the Memo line.

**Doug Currie**

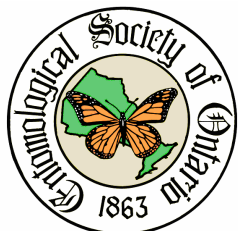
*Special thanks to ESO Member Doug Currie for submitting this piece.*

### Interested in becoming the ESO Newsletter Editor?

If you enjoy editing, you might like putting together your Society's newsletter twice a year, beginning in Spring 2007. It's a great way to become active in our Society.

For more information on this open position on the ESO Board, please contact:

Dana Gagnier (gagnierd@agr.gc.ca) or  
John Huber (huberjh@agr.gc.ca)



# 2006 ELECTION CANDIDATES

## REGULAR BALLOT



All fellows, and regular or student members of the ESO who have renewed their membership in 2004 or 2005 will be mailed TWO ESO election ballots and one envelope for returning your ballot to the ESO Secretary.

The annual ESO election ballot lists the candidates running for an elected position on the ESO Board. This year's election ballot includes two candidates for president-elect, three candidates for the two director positions, and two candidates for student representative. Biographical sketches for all regular candidates are found here on pages 4 to 6 of this newsletter. The second ballot contains one nominee for Fellow of the ESO: Dr. Glenn B. Wiggins. A biography for our current fellow nominee is printed on pages 6 and 7 of this newsletter.

Ballots will be tallied by the Secretary on **August 2, 2006.**

*The following are the biographies supplied by the candidates for the positions of President-Elect, Director, and Student Representative.*

### **President-Elect (select one)**

#### A. Bruce Broadbent

Bruce Broadbent is currently a research scientist with Agriculture and Agri-Food Canada, Southern Crop Protection and Food Research Centre in London. Bruce received his B.Sc. from Victoria University of Wellington in New Zealand and his M.Sc. from McGill University [1976] which involved research in biological control. His Ph.D. from the University of Guelph [1980] involved a non-target soil microfauna study.

From 1981-1996, Bruce was a research scientist at AAFC, Vineland Research Station, where his expertise was in developing biological control practices for IPM programs of greenhouse floriculture crops. Since moving to London in 1996, Bruce has been investigating the biological control (parasitoids, predators and pathogens) of insect pests of vegetables, field and greenhouse crops. He has helped supervise several grad students as an adjunct professor at the University of Guelph. Many of these students have presented papers and posters at ESO Annual Meetings, featuring research on insects such as Tarnished plant bug, soybean aphid, rove beetle, and thrips.

Bruce has been a member of the ESO for 26 years. He is also a member of the ESC, ESA, IOBC (International Organization of Biological Control), and the SIP (Society of Invertebrate Pathology). He is presently Treasurer of the Canadian Forum for Biological Control and a member of the Finance Committee for the Entomological Society of Canada. Bruce served as the chair of the Organizing Committee for the ESO Annual Meeting in London in 1997. He was a Director of the ESO from 2000-2003.

If elected, Bruce would take this opportunity to work to keep the ESO - and its proud >140-year heritage - strong and a positive place for professionals, students and amateurs to interact and promote entomology.

#### Rebecca Hallett

Rebecca Hallett is a tenured professor in the University of Guelph's Department of Environmental Biology. She earned her PhD from Simon Fraser University in 1996 under the supervision of John Borden. Having completed a 2-year post doc as an NSERC Canadian Government Laboratory Visiting Fellow with the Saskatoon Research Centre, she joined the U of G faculty in 1998.

Rebecca earned a BSc in Biogeography at the University of Toronto. Before joining the Masters of Pest Management program at SFU in 1988, she spent several months working with the National Dairy Development Board in India as an extension worker. She conducted both her Master's and Doctoral research in Indonesia. Her doctoral work also took her to Malaysia, the United Arab Emirates, Egypt, and Saudi Arabia.

Rebecca holds a patent on *Oryctes rhinoceros* pheromone from this period of her research, and the pheromone-based mass trapping programs that she developed for the rhinoceros beetle and the Asian palm weevil and are now widely used throughout southeast Asia.

Her present research interests include the chemical ecology of insect-host plant interactions, particularly related to the swede midge, *Contarinia nasturtii*, and the pea leafminer, *Liriomyza huidobrensis*, host plant resistance, and the development of integrated pest management programs for vegetable and canola pests.

Rebecca served as a Director of the ESO from 2001-2004 and as Co-Chair of the Scientific Program Committee for the 2001 Joint Annual Meeting of the Entomological Societies of Canada and Ontario. Rebecca's interest in the Presidency of the ESO is based on her desire to maintain a continued level of excellence in all workings of the ESO, particularly in promoting awareness of the society to undergraduate and graduate students interested in establishing themselves in the profession of entomology.



## Directors (select two)

### Doug Currie

Doug Currie received his BSc and PhD in the Department of Entomology, University of Alberta. After postdoctoral fellowships at the University of British Columbia and the Canadian National Collection of Insects and Arachnids, he accepted an appointment at Royal Ontario Museum where he now serves as Curator of Entomology. Doug is also a cross appointed Associate Professor in the University of Toronto's Department of Zoology, where he teaches several courses and supervises graduate students. Throughout his academic career he has maintained a research focus on the systematics and comparative biology of aquatic insects, with special reference to black flies (Diptera: Simuliidae). He and co-authors Peter Adler (Clemson University) and D. Monty Wood (Agriculture and Agri-food Canada) recently published a book titled *The Black Flies (Simuliidae) of North America*, which received the Association of American Publishers Award for Best Single-Volume Reference in the Sciences in 2004. Doug has served on the Scientific Committee of the Biological Survey of Canada (Terrestrial Arthropods) since 1994, and currently leads the BSC's 'Insect of the Arctic' project. He and his students continue to work on aspects of the morphology, molecular evolution, and biogeography of Holarctic black flies.

A member of the ESO since 1996, Doug was a plenary speaker at the 2004 annual meetings in St. Catharines. He enjoys educating the public about diversity of insects and their role in the environment, and is especially committed to mentoring young entomologists. He has served as Academic Coordinator of the Toronto Entomologists' Association Annual Student Symposium since 1993. As an ESO Director, Doug would continue to promote public education and student involvement in the Society.

### Alina Cywinska

Alina Cywinska is a postdoctoral fellow at Brock University working on molecular taxonomy of biting flies as part of the Canadian Barcode of Life Network. She is thoroughly dedicated to expanding the barcode database of mosquitoes, black flies, ceratopogonids, tabanids and other less common biting flies. To this end, she has established collaborations with dipterists throughout North America. Alina is just as comfortable in wellie boots as she is in a crisp white labcoat! She spends much of the summer in the field collecting her own specimens.

Alina has an MSc.Eng. degree from the Department of Water Protection, Conservation and Inland Fishery, University of Olsztyn, Poland and a PhD from the De-

partment of Biology, University of Waterloo, Canada. She is also interested in the effects of long-term natural and man-made hydrological, limnological, trophic and climatic changes on aquatic ecosystems, in the taxonomy of ostracodes and in the effects of UV radiation on benthic and limnetic invertebrates.

She would like to become more involved with entomology in Ontario and believes that serving as a Director of the ESO would be a concrete way in which to do that!

### Jeff Skevington

I am currently a Diptera systematist with Agriculture and Agri-Food Canada (AAFC) and have belonged to the ESO since my days in Guelph as a M.Sc. student of Steve Marshall's (ca. 1990). It was Steve who enticed me away from my interest in bird systematics to the far more exciting frontier of fly systematics. After working with Steve, I went off to Brisbane, Australia to work on my Ph.D. with David Yeates. This was a fantastic experience as well, exploring a true frontier of entomology where most fly lineages still have over 80% of the fauna undescribed. My research interests include several families, big-headed flies (Pipunculidae), flower flies (Syrphidae), thick-headed flies (Conopidae) and stiletto flies (Therevidae). After my Ph.D., I traveled to Ottawa and worked on an NSERC Postdoctoral Fellowship with Jeff Cumming (on Diptera phylogenetics). During this time, I managed to land a great job in Sacramento at the California Department of Food and Agriculture where I worked for a year before coming back home to work at AAFC.

I would enjoy an opportunity to become more involved in my regional entomological society. Please consider electing me as a Director of the ESO.

## Student Representative (select one)

### Jen Perry

As a child, I was totally terrified of all insects. To try to remediate this fear, my grandfather gave me numerous books on ants, butterflies, beetles and bees. I did become more knowledgeable about insects, but I remained uneasy until my first entomology course at university. To my family's amazement, I switched my focus to entomology and I've been fascinated by bugs ever since.

I received my B.Sc. in environmental biology from the University of Alberta, where I did my undergrad project on interactions between wood ants and yucca moths. I then completed my masters at Simon Fraser University with Bernie Roitberg, working on oviposition

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## Student Representative continued (select one)

Jen Perry

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behaviours in multicoloured Asian ladybird beetles.

During my master's degree, I attended two provincial (B.C.) and two national entomology meetings, giving three talks and a poster. I was elected as a director with the Entomological Society of British Columbia, and I have been a member of the student committee of the Entomological Society of Canada since 2003. I also volunteered with a science outreach program called 'Let's Talk Science', bringing weird and wonderful insect specimens in to elementary school classrooms to share with the kids.

I recently began my PhD at the University of Toronto, studying several ladybirds (the 2-spot, the Asian lady beetle, and the convergent lady beetle) and also branching out into water striders. There's more about my current work on my website, <http://www.sfu.ca/~roitberg/lab/people/jen.htm>.

I recently joined the Entomological Society of Ontario. I found it very rewarding to be an active part of the entomological community in British Columbia and with the national society, and I would enjoy the opportunity to become more involved with the Ontario society.

Aynsley Thielman

I am currently in my second year of an MSc program at Brock University in St. Catharines studying mosquito systematics. I received my undergraduate degree from the University of Guelph, majoring in Molecular Biology and Genetics. Although entomology was down the hall (literally!), it wasn't until I started working with Dr. Fiona Hunter on the West Nile Virus Surveillance Program that I became interested in insects. I have always been passionate about nature and biology, but attending Entomological Society meetings introduced me to the exciting study of insects and I now hope to obtain a career in entomological research.

It would be a pleasure to serve as Student Representative to the Entomological Society of Ontario. I have gained valuable experience serving on numerous boards during my undergraduate degree, including Vice President of the College of Biological Sciences Student Council and the Central Student Association. I am currently a member of the Entomological Society of Ontario (ESO), the Entomological Society of Canada (ESC), and the Toronto Entomologists' Association (TEA). I have presented numerous posters and papers at their annual meetings and am the 2006 recipient of the W. John D. Eberlie Research Travel Grant. I have

helped organize the 2004 ESO meeting held at Brock University, as well as the Ontario Ecology and Ethology Colloquium (OEEC) that was recently held at Brock.

If elected, I plan to continue the excellent work of the Student Representatives before me. Strong communication between students and potential employers will be a priority. I would be grateful for the opportunity to learn more about the Society and its members and contribute to it in a meaningful way. Hopefully, I can continue to encourage student interest and participation in the ESO and related activities and in entomology in general.

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Here ends the list of candidates on the Regular Ballot.

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ESO FELLOW BALLOT



The 2006 Nominee for Fellow of the ESO is Dr. Glenn B. Wiggins. Fellows of the ESO are members or former members who have made an outstanding contribution to the advancement of entomology. A nominee for Fellow shall be elected if at least two-thirds of the votes returned to the Secretary are in the affirmative.

Dr. Glenn B. Wiggins

Glenn B. Wiggins is an international authority on the biology and systematics of Trichoptera (caddisflies). Dr. Wiggins pioneered larval taxonomy of Trichoptera and the use of larval characters in elucidating phylogenetic relationships. His research has resulted in over 100 publications, many of which were comprehensive systematic revisions with a strong evolutionary theme. He has written several book chapters on the classification and biology of Trichoptera, and authored four books. The synthesis of his research culminated in the publication of *Larvae of the North American Caddisfly Genera (Trichoptera)*, selected by the Association of College and Research Libraries as one of the outstanding academic books of the year. This book revealed the incredible diversity of larval Trichoptera throughout North America, laying the groundwork for subsequent studies of the order. The 2nd edition of 1996 will remain the primary reference for North American trichopterists for many years to come. He is a well-cited author and a recognized authority on habitat use and ecological strategies of the Trichoptera. He has also undertaken seminal research on the role of temporary vernal pools in the evolutionary radiation of aquatic invertebrates. Dr. Wiggins has been an invited lecturer at universities in North America and Japan and has delivered keynote addresses at the International Symposium on Trichoptera (1983) and the Aquatic Insects Conference of the Entomological Soci-

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## Fellow of the ESO continued

Dr. Glenn B. Wiggins

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ety of America (1986). In 1990, he was asked to review the present status and future prospects for the study of systematics of North American Trichoptera for the symposium and seminal publication *Systematics of the North American Insects and Arachnids: Status and Needs*. In summary, Dr. Wiggins' research on trichopteran systematics has helped to establish Canada's niche in the international systematics community.

Dr. Wiggins was born in Toronto but raised in Brampton, Ontario. He returned to Toronto for his education at the University of Toronto in 1945 where he successfully completed an Honours B.A. in Biology (1949), a M.A. in Ichthyology (1950), and later a Ph.D. in Systematic Entomology (1958). In 1952 he was appointed Curator of Entomology at the Royal Ontario Museum. Early in his career as Curator at the Royal Ontario Museum's Department of Entomology, Dr. Wiggins became a cross-appointed professor in the University of Toronto's Department of Zoology (1968). He taught several courses during his tenure as professor and trained several graduate students and research associates throughout his academic career. He was also a visiting professor at the University of Minnesota (1970-74) and the University of Montana (1981), where he gave field courses.

Dr. Wiggins worked diligently to promote a better understanding of his field of systematic biology in the peer review system by contributing briefs to the NSERC *Health of the Discipline* reports. During his 1988-91 appointment to the NSERC Grant Selection Committee for Population Biology (now Evolution and Ecology) he was an active spokesperson for the systematics community in the restructuring of NSERC grant selection committees and succeeded in having systematics recognized as a significant component of the new Evolution and Ecology GSC.

As museum curator, Dr. Wiggins developed a world-class insect collection that is noted for its high curatorial standards. This collection continues to serve as an important resource for education, reference and research on the biology, systematics and evolution of Trichoptera. Like his books, the collection is truly a legacy for future studies. Glenn's enthusiasm for sharing his insights with others has inspired many innovative and engaging life science exhibits, including the display of live insects and their recorded sounds. He has given the public a greater appreciation of the world of insects through his adult education and extension courses, behind-the-scenes museum visits, and the museum public lecture series. In addition to his contributions as curator, Dr. Wiggins served as Editor of ROM's Life Sciences Publications and was

instrumental in the formation of two new curatorial departments: Department of Botany (1978) and the Department of Invertebrate Zoology (1981). Furthermore, he served on several committees that provided input to the ROM Board of Trustees about the incorporation of the ROM and the ROM expansion program.

Dr. Wiggins was an active member in several entomological societies throughout his professional career and now into retirement. He has been a member of both the Entomological Society of Ontario and the Entomological Society of Canada for more than forty years. He summarized the early years of these Societies in his contribution entitled *Centennial of entomology in Canada, 1863-1963*. During the period 1966-1971, he served as the ESO chairman and was the society's representative to the ESC for the Committee on the Common Names of Insects. He was elected to the executive board of the Entomological Society of Canada from 1979-83, where he served as president in 1981-82. He was a member of the Scientific Committee of the ESC's Biological Survey of Canada (Terrestrial Arthropods) from its inception in 1976 until 1991. In 1982 he was appointed a Fellow of the ESC for his major contributions to entomology. For outstanding achievement in research on the biosystematics of Trichoptera, Glenn was further recognized and awarded the ESC's 1992 Gold Medal.

Dr. Wiggins' thoughtful and articulate analyses of issues have benefited many boards, committees and external review panels in Canada and the United States. He was an active member of the Biological Council of Canada (1981-85) where he was elected vice president. He served on a review committee for the United States National Museum's Department of Entomology (1981). Closer to home, Glenn served as chairman of the Dean's committee to review the Lyman Entomological Museum of Macdonald College at McGill University (1989).

Glenn and his wife Carol live at their lakeside farm near Kingston. Since his retirement, Dr. Wiggins has continued to contribute to his field by publishing several major works, including: *The caddisfly family Phryganeidae (Trichoptera)* (1998), *Caddisflies: the underwater architects* (2004), and more recently *The caddisfly genus Neophylax (Trichoptera: Uenoidae)* (2005). In addition, Glenn has published a number of smaller contributions and he continues to work on other projects that will no doubt find their way into press in the near future. Dr. Glenn B. Wiggins has worked tirelessly throughout his highly productive career and has made several outstanding contributions to entomology in Ontario, Canada and the World. He is a gentleman, a scholar and a worthy nominee for the distinction of Fellow of the Entomological Society of Ontario.

*The Phryganea bipunctata image appears courtesy of the NABS ([www.benthos.org](http://www.benthos.org)) macroinvertebrate slide collection. Uta Gruenert contributed this image to the NABS collection.*



**Entomological Society of Ontario**  
**Treasurer's Report -- Fiscal 2005**  
**01 January to 31 December 2005**

| <b>FISCAL BALANCE</b>                       |     | <b>Year-to-date<br/>2005</b> |
|---|-----|------------------------------|
| <b>1. Publication (JESO Volume/Printer)</b> |     | <b>(135/UTP)</b>             |
| <b>Credits - Previous Volume(s)</b>         |     |                              |
| Page Charges (svgs)                         |     | \$ 560.00                    |
| Reprints (svgs)                             |     | \$ 180.00                    |
| Subscriptions (svgs)                        |     | \$ 270.00                    |
| 1 Subscriptions (US\$ to C\$ equiv.)        | C\$ | \$ 649.34                    |
| 1 Returned Cheque (US\$ to C\$ equiv.)      | C\$ | \$ -                         |
|   |     | <b>\$ 1,659.34 A</b>         |
| <b>Credits - Current Volume</b>             |     |                              |
| Page Charges (svgs)                         |     | \$ -                         |
| Reprints (svgs)                             |     | \$ -                         |
| Subscriptions (svgs)                        |     | \$ 30.00                     |
| 1 Subscriptions (US\$ to C\$ equiv.)        | C\$ | \$ 34.18                     |
| 2 Page Charge Waivers/Grants (JV)           |     | \$ -                         |
|   |     | <b>\$ 64.18 B</b>            |
| <b>Debits - Current Volume</b>              |     |                              |
| JESO Volume Production                      |     | \$ -                         |
| 3 JESO Volume Preparation                   |     | \$ 425.00                    |
| JESO Editor                                 |     | \$ -                         |
|   |     | <b>\$ 425.00 C</b>           |
| <b>Publication (Subtotal 1 = A+B-C)</b>     |     | <b>\$ 1,298.52</b>           |
| <b>2. General</b>                           |     |                              |
| <b>Credits</b>                              |     |                              |
| Membership Dues (svgs)                      |     | \$ 3,292.47                  |
| 1 Membership Dues (US\$ to C\$ equiv.)      | C\$ | \$ 45.57                     |
| Interest/Credits (svgs)                     |     | \$ 300.68                    |
| Interest/Credits (cheq)                     |     | \$ 2.67                      |
| Bond Interest (svgs)                        |     | \$ -                         |
| ESC Grant - Pub.Encour. (svgs)              |     | \$ -                         |
| Miscellaneous (svgs)                        |     | \$ -                         |
| Advances (cheq)                             |     | \$ -                         |
|   |     | <b>\$ 3,641.39</b>           |
| <b>Debits</b>                               |     |                              |
| Newsletter Editor                           |     | \$ 470.39                    |
| Secretary                                   |     | \$ -                         |
| Treasurer                                   |     | \$ -                         |
| Website                                     |     | \$ 60.24                     |
| Prizes, Awards                              |     | \$ 1,250.00                  |
| 4 Bank Charges                              |     | \$ 55.41                     |
| Equipment Grant                             |     | \$ -                         |
| Public Education                            |     | \$ -                         |
| 2 Page Charge Waivers/Grants (JV)           |     | \$ -                         |
|   |     | <b>\$ 1,836.04</b>           |
| <b>General (Subtotal 2)</b>                 |     | <b>\$ 1,805.35</b>           |
| <b>3. Meeting</b>                           |     |                              |
| <b>Credits</b>                              |     |                              |
| 5 AGM Surplus (svgs)                        |     | \$ 150.00                    |
| ESO income balanced (svgs)                  |     | \$ -                         |
| ESC Grant - Pub.Encour. (svgs)              |     | \$ -                         |
| AGM Loan Return (svgs)                      |     | \$ -                         |
|   |     | <b>\$ 150.00</b>             |
| <b>Debits</b>                               |     |                              |
| 6 AGM Loss                                  |     | \$ 544.31                    |
| 7 AGM Loan                                  |     | \$ 1,500.00                  |
| ESO expenses balanced                       |     | \$ -                         |
|   |     | <b>\$ 2,044.31</b>           |
| <b>Meeting (Subtotal 3)</b>                 |     | <b>\$ (1,894.31)</b>         |
| <b>FISCAL BALANCE (Subtotals 1-3)</b>       |     | <b>\$ 1,209.56</b>           |

Kevin Barber – Treasurer

Carl Nystrom – Auditor

B. Leo Cadogan – Auditor

| <b>TOTAL ASSETS</b>                               |      | <b>Year-to-date<br/>2005</b> |
|---|------|------------------------------|
| <b>FISCAL BALANCE (Subtotals 1-3)</b>             |      | <b>\$ 1,209.56</b>           |
| Fiscal Activity - CDN Svgs Account                |      | \$ 4,783.15                  |
| Fiscal Activity - CDN Cheq Account                |      | \$ (4,302.68)                |
| 1 Fiscal Activity - US Account                    | C\$  | \$ 729.09                    |
| <b>TOTAL ASSETS</b>                               |      |                              |
| <b>CDN Savings Account</b>                        |      |                              |
| Opening Balance                                   |      | \$ 15,307.54                 |
| Transfer from CDN Cheq. Acc't                     |      | \$ -                         |
| Transfer from US Acc't                            |      | \$ -                         |
| Transfer to CDN Cheq. Acc't                       |      | \$ (4,000.00)                |
| 8 Bonds Mature (2002 OSB series)                  |      | \$ 11,452.70                 |
| Bond Purchase                                     |      | \$ (14,000.00)               |
| Fiscal Activity                                   |      | \$ 4,783.15                  |
| <b>Closing Balance</b>                            |      | <b>\$ 13,543.39 D</b>        |
| <b>CDN Chequing Account</b>                       |      |                              |
| Opening Balance                                   |      | \$ 2,925.76                  |
| Transfer from US Acc't                            |      | \$ -                         |
| Transfer from CDN Svgs. Acc't                     |      | \$ 4,000.00                  |
| Transfer to CDN Svgs. Acc't                       |      | \$ -                         |
| Fiscal Activity                                   |      | \$ (4,302.68)                |
| Bonds Mature                                      |      | \$ -                         |
| Bond Purchase                                     |      | \$ -                         |
| <b>Closing Balance</b>                            |      | <b>\$ 2,623.08 E</b>         |
| <b>US Account</b>                                 |      |                              |
| Opening Balance                                   | US\$ | \$ 3,199.19                  |
| Transfer to CDN Svgs. Acc't                       | US\$ | \$ -                         |
| Transfer to CDN Cheq. Acc't                       | US\$ | \$ -                         |
| 1 Fiscal Activity                                 | US\$ | \$ 640.00                    |
| <b>Closing Balance</b>                            | US\$ | <b>\$ 3,839.19</b>           |
| <b>CDN equivalent</b>                             | C\$  | <b>\$ 4,373.61 F</b>         |
| <b>Outstanding Loans</b>                          |      |                              |
| 7 ESC/ESO2008                                     |      | <b>\$ 1,500.00 G</b>         |
| <b>Investments - Ontario Savings Bonds</b>        |      |                              |
| 2001 - Principal                                  |      | \$ 10,000.00                 |
| * 2001 - Previously Accumulated Interest          |      | \$ 1,937.40                  |
| * 2001 - Current Interest                         |      | \$ 776.83                    |
| 2002 - Principal (redeemed)                       |      | \$ -                         |
| ** 2002 - Prev. Accum. Interest (redeemed)        |      | \$ -                         |
| ** 2002 - Current Interest (redeemed)             |      | \$ -                         |
| *** 2005 - Principal                              |      | \$ 14,000.00                 |
| <b>Total Investments - OSB</b>                    |      | <b>\$ 26,714.23 H</b>        |
| <b>TOTAL ASSETS (D+E+F+G+H)</b>                   |      | <b>\$ 48,754.31</b>          |
| <b>Increase (Decrease)</b>                        |      | <b>\$ 3,852.24</b>           |
| - Attributable to fiscal trans. / loan / OSB int. |      | \$ 4,020.78                  |
| - Attributable to change in exchange rate         |      | \$ (168.54)                  |

9 US account transfer exchange rate

10 Reporting exchange rate (interim/year-end)

1.1392

11 Previous year-end exchange rate

1.1831

12 Member dues rates

\$30/\$0/\$10

\* 5-year step-up (4.25, 5.00, 5.75, 6.25, 6.75%) mature 21 June 2006

Interest as of 21 December 2005 – Bond Calculator –

<http://www.ontariosavingsbonds.com/calculator.asp>

\*\* 3-year fixed rate (4.625%) - matured/redeemed 21 June 2005

\*\*\* 5-year step-up (2.00, 2.25, 3.00, 3.50, 4.00%) annual interest to Svgs Acct

1 - US account transactions converted to C\$ to calculate

"Fiscal Balance" then reported in US Account in US\$

2 - page charge waivers accounted for with Journal Voucher

3 - deposit against layout services; Vol.135 not yet finished

4 - includes \$42.80 for Safety Deposit Box rental

5 - late sponsorship from AGM2003 \$150

6 - AGM2005 estimated deficit based on interim report; AGM2004 no report yet

7 - ESC/ESO2008 Joint Annual Meeting - startup loan repayable before final

accounting of meeting finances

8 - includes: \$10K Principal, \$946.40 Previously Accumulated Interest,

and \$506.30 Current Interest (21-Dec-04 to 21-Jun-05)

9 - actual US-\$C\$ exchange rate achieved during account transfer

10 - exchange rate used at end of reporting period (30-Dec-2005)

11 - used to calculate value of US\$ in C\$ if there had been no change in rates

12 - Regular/Domestic Student/International Student



## Treasurer's Report – Fiscal 2005

The following is the annual financial report for the period 01 January to 31 December 2005. Carl Nystrom and Leo Cadogan (Great Lakes Forestry Centre, Sault Ste. Marie) audited the report on 15 February 2006 and the results were favourable and forwarded to the Secretary.

There have been two additional modifications of the structure of the report. One is a further resolution in the reporting of credits under Publication (Previous & Current Volumes) and a new section under Total Assets to identify Outstanding Loans.

Under Publication, the transactions for the Previous Volume (#134) are now complete with the receipt of \$740 of page charge and reprint income and \$919.34 of subscription income. With the delays in production of the Current Volume (#135), there have been few transactions recorded. The income received in subscriptions has been received in advance (\$64.18) and only the initial deposit of \$425 on layout services has been paid. This leaves a significant portion of the activity in this section of our business to carry over to fiscal 2006.

Under General, membership dues of \$3,338.04 have been received (includes a significant portion of back dues) and most of the \$303.35 bank interest is earned through the Savings account. Since the bond interest (2002-series) was reinvested, it is reported below in the estimation of Total Assets. Expenditures included postage and printing assigned to source (Newsletter Editor – currently functionally combined with Secretary) totalling \$470.39 and represent some savings now that most of our Members receive the Newsletter by direct download from the ESO website (hardcopy only for those requesting it). Additional costs included our annual website rental fee (\$60.24), student awards (\$1,250 – 3 President's Prizes, 2 Travel Awards, @ \$250 each), and bank charges (\$55.41 including fee for safety deposit box).

Under Meeting, there was a late sponsorship payment of \$150 received for AGM2003. There was a loss incurred by AGM2004 but the accounting is not yet complete. AGM2005 also experienced a loss estimated by interim reporting to be \$544.31. The Organizing Committee of the Joint Annual Meeting of the Entomological Society of Canada and the Entomological Society of Ontario (JAM ESC/ESO2008) has been forwarded a repayable loan of \$1,500 to be reconciled before closing their books (identified as an Asset below).

The Fiscal Balance of our bank accounts is reported as \$1,209.56 and then distributed across the three accounts. There was one transfer of \$4,000 from the Savings to the Chequing Account and a transfer of \$14,000 from the Savings Account to Investments as described below (after receiving the redemption value of the mature bonds).

The 2001-series Ontario Savings Bonds (OSBs) accumulated an additional \$776.83 this year and is now valued at a total of \$12,714.23. The 2002-series of OSBs (\$11,452.70 Principal and Interest) was redeemed and then reinvested along with additional bank cash (\$2,547.30) from the Savings Account for a total of \$14,000 in 5-yr Step-Up OSBs – these will pay annual interest into our Savings Account. This is the first step in establishing 5 years of overlapping investments of equal amounts to provide the ESO with a more stable annual income from Bond Interest. The next major step will be reinvestment of the 2001-series OSBs maturing in June 2006 and all the funds for this plan should be in place by June 2007 with final redistribution of the total investment

into equal parts over the following 2 years. Since the annual Bond Interest from these recent investments will be paid directly into our Savings Account, that interest will be treated as income and be reported as a credit in the General section of our calculation of Fiscal Balance and not under the Investments section of Total Assets (only the principal will be reported there).

In order to identify all assets in the estimation of Total Assets, a new section has been added to carry the details of any outstanding or long-term cash loans. This year a single transaction providing the ESC/ESO2008 with an advance loan of \$1,500 is identified under a section titled Outstanding Loans.

The Society is in sound financial shape and presently has a reserve of about \$20,540.08 in the three bank accounts. The principal amounts of the OSBs total \$24,000 and the 2001-series OSBs have accrued an estimated \$2,714.23 in interest. Including the outstanding loan of \$1,500 and using a year-end currency exchange rate of 1.1392, Total Assets are currently estimated at \$48,754.31.

**Kevin Barber**

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## ESO Auditors hit the books



**Carl Nystrom** (above left) and **Leo Cadogan** (right) are using their fine-toothed combs on the ESO books as the Fiscal 2006 Audit is underway in February 2006, at the Great Lakes Forestry Centre in Sault Ste. Marie. This operation includes inspection of bank statements, ledger, cheque books, deposit books, bond certificates, invoices, and more, while squaring them with the reporting documentation provided by the Treasurer to the Board and Membership.

The auditors make recommendations to the Treasurer and then provide a signed Audit Certificate to the Secretary for inclusion in his annual report to OMAFRA. Carl and Leo have performed this important but unheralded duty for the past three cycles for which they are heartily thanked. Just prior to this period, Leo had helped bring our audit process up to date by pouring over 8 years of records.

I would like to take this opportunity, on behalf of myself and the ESO, to congratulate Leo on his recent retirement from the Canadian Forest Service, to thank him again for his past service to the ESO, and to wish him the best into the future.

**Kevin Barber**

## PLEASE RENEW YOUR 2006 ESO MEMBERSHIP

Paying members might like to save a stamp by mailing their membership fees to Dave with their election ballots.

Please mail your invoice and payment to:  
Dave Hunt, ESO Secretary  
Agriculture and Agri-Food Canada  
Research Centre  
2585 County Road 20  
Harrow ON N0R 1G0

**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 ESO Secretary, Dave Hunt at:

[huntd@agr.gc.ca](mailto:huntd@agr.gc.ca)

### Thanks for keeping "DAVE" up-to-date!

As a member of the ESO, we ask you to do your part to keep our membership directory current. If your contact information changes (particularly your email address) in the future, please forward it to ESO Secretary, Dave Hunt at:

[huntd@agr.gc.ca](mailto:huntd@agr.gc.ca)

Several times a year, the sub-committees of the ESO Governing Board will email members newsletters and information regarding the ESO Annual Meeting.

**Stay in the know about the ESO** by sending Dave your email and address changes!

### Missing Members: Les Misch & Justin Renkema

*If you see these members, please ask them to send their NEW contact information to ESO Secretary David Hunt.*



## Ontario Insect Fair

Insect Fairs/Shows are entrenched institutions in all the major cities of Europe and also in Japan. In North America there are two established shows in California and the Montreal Insect show is now past its fifth year. The second Ontario Insect Fair, organized by Ken Thorne, was held in conjunction with the Ontario Reptile Expo in Mississauga, Ontario on April 23. It was a great

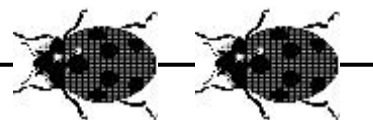
day for insect lovers of all ages to gather under one roof, enjoy the camaraderie and share their enthusiasm for bugs. Not only did we see entomological gizmos and thousands of insect specimens from around the world, we hungout with people who like bugs. We met members

of societies and organizations dedicated to Entomology and made a few new friends.

For the ESO's Public Education Committee, the fair provides a forum for promoting our Society as well as educating and inspiring the minds of all ages who drop by our booth. This year our educational display focused on the lovable lady bug, one of the more widely recognized beneficial insects. ESO members Steve Marshall and David Cheung (University of Guelph) allowed us to feature their poster of the common lady beetles of Ontario in our display. Christie Bahlai, Marie Hall, Nicole Hall and Margaret Pickles provided live specimens. Special thanks to Steve Marshall and the Insect Systematics lab at the University of Guelph for donating 50 Ontario Insect Posters that we were able to distribute to keen young entomologists. Throughout the day we raffled off several Klaus Bolte insect posters that were generously donated by John Huber. Margaret Pickles (ESO Public Education Committee Chair) designed ladybug crafts for our craft table including her own (original design) ladybug hat and a ladybug beaded pendant. Over 37 hats and 41 pendants were made. While children made crafts, our members shared experiences, gave encouragement and passed on a bit of insect education to the children and their family members.

We thank all the ESO members who gave their time to help staff our booth, including Christie Bahlai, John Huber, Margaret Pickles and Laura Timms. Staffing the booth provides numerous informal opportunities to share our expertise and give something back. Even spending time guiding a child through a craft holds it's own reward. If you'd like to help out with the next Insect Fair, please contact Margaret Pickles to volunteer your time and expertise.

Dana Gagnier



## JESO News

The Journal of the Entomological Society of Ontario publishes research articles, reviews, and book reviews on all topics related to entomology. All research articles are peer-reviewed. Articles on the insects of Ontario are especially pertinent, but we welcome all articles of interest to entomologists.

As many ESO members are aware, in recent years, the Journal of the Entomological Society of Ontario has been experiencing a large gap between calendar year and publication year. The Journal's editorial staff is now working to close this gap. Currently, we are planning to publish Volume 136 by late summer 2006 and Volume 137 in late autumn. Articles submitted this summer will be targeted for publication in Volume 137 (2006) or Volume 138 (2007). Manuscripts should be emailed directly to the Editor at the address below. Instructions to Authors can be found on the ESO website ([www.entsocont.com](http://www.entsocont.com)).

We look forward to your submissions!

**Miriam Richards**, JESO Editor

Dept. Biological Sciences, Brock University

[miriam@brocku.ca](mailto:miriam@brocku.ca)

# Make the Trip to the ESO Annual Meeting in 2006:

Undergraduate and Graduate Student  
Travel Awards

## University professors, college professors and all teachers of entomology:

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

## 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! The Society wishes to encourage student members to share their research with other members by participating in the annual meeting. We believe that participation in the annual meeting is a great way for students to meet others with similar interests and to gain valuable feedback on their research efforts.

Student members of the ESO who are presenting a poster or a paper at the Annual Meeting of the Entomological Society of Ontario being held on the 27-29 October 2006 in the OMAFRA Conference Centre, Guelph, ON are eligible to apply\*. In addition to travel awards there will also be **President's Prizes** awarded at the meeting for exceptional paper and poster presentations.

Interested students applying for the Travel Award(s) should include: (1) a title and short abstract for their project; (2) a statement outlining why the funds are required and how the award will be used to support their participation in the ESO Annual Meeting; (3) a letter from their supervisor; (4) a curriculum vitae or other document outlining past academic achievements, publications and awards / scholarships, and any activities that promote entomology in Ontario. Only active student members of the ESO who are enrolled in a graduate or undergraduate program will be considered for travel awards.\* Note that students may receive only one travel award while registered for a single degree. Please don't forget to include contact information (phone number, mailing and email address).

## Deadline for application is September 30th, 2006.

Recipients will be notified at least two weeks before the annual meeting.

Need to become a member or renew your membership? It's easy to do and free for students! Check out the details online at <http://www.entsocont.com/member.htm>.

Please send travel award applications to:

Hannah Fraser, ESO Director  
Ontario Ministry of Agriculture, Food and Rural Affairs  
4890 Victoria Avenue North  
Vineland, ON CANADA L0R 2E0  
905-562-1674  
[Hannah.Fraser@omafra.gov.on.ca](mailto:Hannah.Fraser@omafra.gov.on.ca)

Or  
Pat Bouchard, ESO Director  
Canadian National Collection of Insects  
Agriculture and Agri-Food Canada  
Ottawa, ON CANADA, K1A 0C6  
613-759-7510  
[bouchardpb@agr.gc.ca](mailto:bouchardpb@agr.gc.ca)

# UNIVERSITY of GUELPH

*Invites you to come celebrate  
the diversity within our discipline at the*

## 143<sup>rd</sup> Annual Meeting of the Entomological Society of Ontario

### THE MANY FACETS OF ENTOMOLOGY

27-29 October 2006

OMAFRA Conference Centre, Guelph, ON

#### HIGHLIGHTS INCLUDE:

- ◆ Featured guest speakers
- ◆ Papers and Posters presented by  
Students and established Entomologists
- ◆ Bug Karaoke at the ESO Mixer
- ◆ Undergraduate and Graduate Travel Awards
- ◆ Awards for Student Papers and Posters  
and MORE!

For more information and registration procedures,  
please visit the ESO 2006 Meeting Website

[www.uoguelph.ca/eso2006/](http://www.uoguelph.ca/eso2006/)

or

contact the ESO Registration committee at:

E-mail: [ESO2006@uoguelph.ca](mailto:ESO2006@uoguelph.ca)

You may also call:

|                              |    |                        |
|------------------------------|----|------------------------|
| Dr. Rebecca Hallett          | or | Lisa Conroy            |
| Registration Committee Chair |    | Registration Committee |
| Tel: 519-824-4120 x54488     |    | Tel: 519-831-4370      |

#### HOTEL AND CONFERENCE DETAILS:

The Friday night mixer will be held at the Ramada Hotel. Saturday and Sunday sessions will be held at the OMAFRA Conference Centre in the OMAFRA Building (1 Stone Road West, Guelph, Ontario). The OMAFRA Conference Centre is located within walking distance of the Ramada Hotel and Conference Centre. A block of double and single rooms are reserved at the Ramada Hotel for meeting participants. Please ask for the ESO room rate when booking rooms. Book early to ensure availability.

For additional hotel information:

Ramada Hotel and Conference Centre  
716 Gordon Street & Stone Road West, Guelph, ON  
Phone: 519-836-1240, Fax: 519-763-5225,  
E-mail: [info.ramada@rogers.com](mailto:info.ramada@rogers.com),  
Website: <http://www.ramadaguelph.com/index.htm>





## Graduate Position Announcements

# GRAD ADS

### GRADUATE PROJECT(S) in INSECT ECOLOGY & BEHAVIOUR

MSc position(s) available at University of Windsor, ON for September 2006. Dr. Sherah VanLaerhoven and Dr. David Hunt have industry-supported soybean aphid studies in the area of plant variety effects on soybean aphid behaviour and physiology. **Interested students should send curriculum vitae, transcripts and 3 letters of reference to:**

**Dr. S. VanLaerhoven**, vanlaerh@uwindsor.ca or Room 119 Biology Building, 401 Sunset Ave, Windsor ON N9B 3P4

### Upcoming Events: EVENTS & MEETINGS IN ONTARIO

#### TORONTO ENTOMOLOGIST'S ASSOCIATION

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. Meetings for the 2006/7 season are: Sept 23, Oct 28, Nov 25, Jan 27, Feb 24, Mar 24, Apr 28. Details of the meetings will be available by early September and posted on the

**TEA Website:** [www.ontarioinsects.org](http://www.ontarioinsects.org)

#### Field trips 2006

The T.E.A. conducts a number of field trips over the summer. Everyone is welcome. There is no fee. The field trips are held in locations throughout Ontario. Most trips require pre-registration so that we can contact participants in case the trip is rescheduled.

Saturday June 18, 1 PM

Leader: Glenn Richardson

#### HUNTING CATERPILLARS & PHOTOGRAPHING BUTTERFLIES

Saturday June 24, 10 AM

Leader: Marvin Gunderman

#### INSECTS OF THE COPETOWN BOG

Friday July 1, 9 AM

Co-ordinator: Tom Mason

#### TEA EAST TORONTO BUTTERFLY COUNT

Tuesday July 11, 8:15 PM

Leaders: Dave Beadle, Tom Mason

#### HIGH PARK MOTH NIGHT

Saturday, July 22, 10 AM

Leaders: Members of the TEA

#### BRANCHTON BUTTERFLIES

Saturday August 12, 10 AM

Leader: Tom Mason

#### SPIDERS OF BLACKWATER/BEAVER CREEK

Mid-August Details to be announced. Joint outing with Pickering Naturalists.

#### DRAGONFLIES & DAMSELFLIES OF DURHAM

Date & Details to be announced. Leader: David Bree

#### PRESQU'ILE MOTH NIGHT

#### Insect Counts 2006

The TEA conducts approximately 30 insect counts throughout Ontario this summer. Everyone is welcome, whatever your skill level. There is no fee. Please join us!

#### BUTTERFLY COUNT LOCATIONS

McGregor Point Prov. Park, Algonquin East Side, Sandbanks Prov. Park, Pinery Prov. Park & N.Lambton, Oshawa, Toronto East, Lake Dore, Long Point, Skunk's Misery, Sunderland, Muskoka, Orillia, Hwy 60 Algonquin, Presqu'ile Prov. Park, Hamilton, Toronto Centre, Haliburton Highlands, Windsor, Clear Creek, Carden Alvar, Rondeau Prov. Park, Hog Island, Petroglyphs Prov. Park, Cambridge, Pelee Island, Point Pelee Nat'l. Park.

#### DRAGONFLY COUNT LOCATIONS

Hamilton, Algonquin, Carden Plains, Royal Botanical Gardens, Pelee and Lake Dore.

For more details, contacts, updates on TEA field trips and insect counts, visit:

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

#### 143rd Annual Meeting of the ESO - OMAFRA Centre, University of Guelph, Guelph, ON - October 27-29, 2006

Meeting Theme: The Many Facets of Entomology (see newsletter ad on page 11)

Full details on the **ESO 2006 Meeting Website:** [www.uoguelph.ca/eso2006/](http://www.uoguelph.ca/eso2006/)

### 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](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/mtginfo.html>

**The North American Forest Insect Work Conference**, May 22-26, 2006, Renaissance Hotel, Asheville, North Carolina

**Website:** <http://kelab.tamu.edu/NAFIWC06/>

#### Michigan Entomological Society

**52nd Annual Meeting**, June 2-4, 2006

Big Rock Valley, Cassopolis, MICHIGAN

Keynote Speaker: Dr. Jessica Hellman, Notre Dame University, "Climate Change Effects on Butterfly Distribution"

**Website:** <http://insects.ummz.lsa.umich.edu/MES/meeting.html>

### Steve Marshall's NEW Entomology Text

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Professor of Entomology

University of Guelph, Guelph, ON

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