



Entomological Society of Ontario Newsletter

February 2002

Volume 7, Issue 1

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2001 Election Results

The nominations committee composed of Kevin Barber (chair), Gard Otis and David Hunt provided a full slate of candidates for the Society's election. There were two candidates for President-Elect, three candidates for the two Director positions, and two candidates for Student Representative. Ballots were mailed with the June Newsletter and candidate's biographies were also included in the Newsletter. A total of 140 ballots were mailed with the newsletter to amateur, student and regular members. Retired members do not have a vote. Ballot envelopes were opened and votes were tabulated on August 2nd. Fifty-nine ballots were returned prior to the August 1st deadline, which is the same number as the previous year. The successful candidates were Bruce Gill for President Elect, Peter Mason and Rebecca Hallett for the Directors positions, and Krista Ryall for Student Representative.

Congratulations to all of the successful candidates and thanks to the other candidates for allowing themselves to be nominated to serve their society.

2002 Annual Meeting

The 2002 Entomological Society of Ontario Annual Meeting will be held October 18-20, 2002 in Ottawa at the Embassy West Hotel Conference Centre. This year's meeting theme will be "Invasive Species and Biodiversity". Details of the meeting will follow in the next ESO newsletter.

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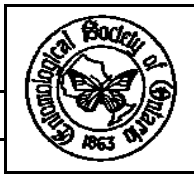
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Missive from the President

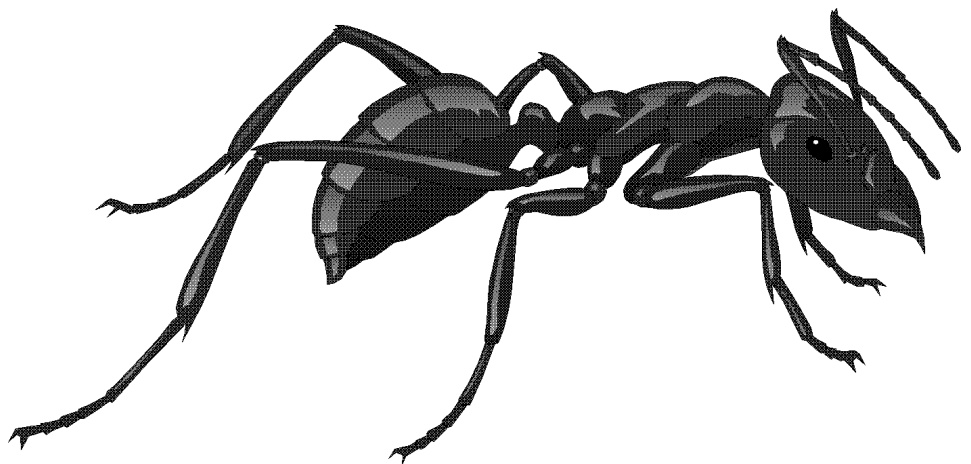
This New Year, like others in the past, presents the Society with a number of challenges and opportunities. The Annual Meeting in Niagara Falls is now a pleasant memory. Cynthia Scott-Dupree and her Committees did an amazing job of taming the ESC swarm. The venue was breathtaking, the program was first-rate and I'm sure a good time was had by all. My thanks go out to everyone involved. Bruce Gill and Peter Mason have graciously volunteered ('coercion' is not in Torre-Bueno's "A Glossary of Entomology") to host the next Annual Meeting in our Nation's Capital. I grew up in Ottawa and still consider it the prettiest City in the province. Apart from enjoying what I know will be a stimulating program, I will also get a chance to hang out in some of my old haunts.

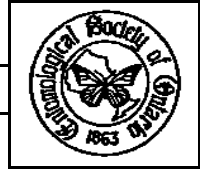
The Society has always been very fortunate in the level of commitment by some of its members. The retirement of exceptional individuals from key positions has always led to their replacement with equally dedicated people. When Dolf Harmesen completed his stint as Editor of our Proceedings, Yves Prévost jumped into the void with both feet. Similarly when Dave Hull retired from the Library of the

University of Guelph and from his position as the Society's Librarian, Jim Brett took up the challenge. Please join me in thanking Dolf and Dave for many years of exceptional service, and in helping in any way we can to make the jobs of Yves and Brett easier. Yves is no stranger to the Society having served as Director (1991-1993) and President (1995).

As Webmaster for the Society, I frequently receive requests for information from a variety of sources on a variety of entomological topics. Some of these questions can be extremely obscure. For example, today I received a phone call from a society for the hearing-impaired wanting to know if butterflies were deaf. If so, they want to adopt a particular butterfly for their logo. Unfortunately, the public perception is that entomologists know everything there is to know about every insect. Although this may be the case with some of our more erudite colleagues, this question fell outside of my area of expertise. Back in the days when I studied vertebrate ecology, I had

heard of investigators studying the acoustical interaction between bats and moths. The names Jim Fullard and Glenn Morris sprang to mind in this context. If anyone would know the answer to this question these guys would, and I could pass the buck. Unfortunately, I did not have current contact information for them and wasn't sure where to find it. Back in 1988, the Entomological Society of Ontario published "Entomology in Ontario" edited by E.A. Lippert and S.A. Marshall. This booklet was a 'Who's Who' of entomology in the province. The booklet provided a valuable reference to the Institutions that employed entomologists, with a synopsis of research interests and contact information. The publication soon became outdated, and Yves Prévost and Peter de Groot compiled a revised edition in 1993. Subsequently the entomological community went through a period of intense flux rendering this document once again obsolete. One item, which is currently before the Board of ESO, is the





development of a revised entomological directory as an internet-based resource that could be updated and changed frequently. The directory would also go a long way in promoting entomology in the province. In my position as President and Webmaster for the Society, I am uniquely positioned to see this project through to completion. I have set this as my major goal during my tenure as President. With the help of others, I have been combing the web sites of various Institutions to glean current information and in the near future I will be contacting various members to confirm and verify the data, and add relevant details.

Some of the challenges with which your new executive will contend include maintaining and enhancing membership, the inevitability of electronic publishing, promotion of entomology to both the entomological community and the public, and the endorsement of our peer-reviewed Proceedings so that it garners the prestige it deserves. For the Society to continue to be successful we must all support it in any manner we can.

Nature will bear the closest inspection. She invites us to lay our eye level with her smallest leaf, and take an insect view of its plain (Henry David Thoreau)

D. Barry Lyons
President ESO

New ESO Librarian

In December, David Hull retired from the University of Guelph Library after 28 years of service. Jim Brett, who has replaced David as the librarian for the Ontario Veterinary College Learning Commons, will also take over David's role as librarian for the Entomological Society of Ontario. Jim received his M.Sc. degree from the University of Guelph's Department of Botany and Genetics in 1981, and his Masters of Library Science degree from the University of Western Ontario in 1983. Since 1984, he has worked at the University of Guelph, filling a number of different roles within the Library system. He has served as a government publications and science reference librarian, as a manager for the Document Delivery and Interlibrary Loan section, and (from 1997 until fall 2001), as the manager for Science and Technology Information Services. In November, 2001, Jim began his new position as manager for the Ontario Veterinary College Learning Commons, and is now overseeing the library services and facilities which support the work of staff and students in OVC. Jim is looking forward to his work with the Entomological Society of Ontario.

Treasurer's Report

2001 Annual Meeting,
21-24 October, Niagara Falls

The following is the financial report for the period, 27 October, 2000 to 18 October, 2001. The production and preparation costs for Volume #131 amounting to \$8773.12 have been paid. This represents a cost reduction of \$4592.25 compared to Volume 130, primarily due to lower printing costs with the University of Toronto Press. 144 copies (8 free of charge) of volume #131 were mailed to subscribers on 20 September 2001. This was 10 fewer than volume 130 in 2000. 30 subscriptions have been paid to date. Invoices were also sent to authors for page charges and reprints in September. Payment has been received from 2 authors for Volume 131 to date. All other outstanding page charges on previous volumes have now been paid.

The Ontario Savings Bonds purchased in 1996 matured and were exchanged for 2001, 5-year Step-Up Ontario Savings Bonds with annual interest rates from years 1 to 5 of 4.25%, 5.00%, 5.75%, 6.25%, and 6.75%.

The Society is in sound financial shape and will have a modest surplus this year as a result of the reductions in printing costs for volume 131.

Blair Helson
ESO Treasurer



2001: An Insect Odyssey

Joint Annual Meeting of the Entomological Societies of Ontario and Canada

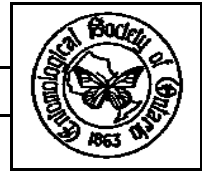
By all accounts the 2001 Joint Annual Meeting of the Entomological Societies of Ontario and Canada was a wonderful success. From the venue at the Sheraton Fallsview Hotel and Conference Center in Niagara Falls, to the workshops, plenary and submitted papers, posters, food and social activities – I am sure all of the 255 registered participants had an enjoyable 4 days. Many of the sponsors of our meeting have indicated to me that they were thrilled with the overall outcome of the meeting and the opportunity to reconnect with the entomological societies in Canada. On top of all of this, we managed to harvest a reasonable profit that has been fairly divided between the Entomological Societies of Ontario and Canada. I will leave it up to the Executive in each of the organizations to provide you with the details on the funds that were given to them by the Organizing Committee for the 2001 JAM. We hope that at least some of the profit from the meeting can be directed towards an entomology outreach/extension project in the next few years.

I would like to take this opportunity to publicly thank all the members of the 2001 JAM Organizing Committee for all their hard work and dedication in the many months leading up to the conference and during the actual event in Niagara Falls. I couldn't have done it without you. What a team we were!

Sincerely

Cynthia Scott-Dupree
Chair – 2001 JAM Organizing
Committee
(Retired from Conference Organizing until 2012 – at least!)





President's Prize Winners



Mireille Marcotte receiving the President's Prize for best student oral presentation from ESO President Gard Otis at the Annual Meeting in Niagara Falls.



Heather Mattila receiving the President's Prize for the best student poster presentation from ESO President Gard Otis at the Annual Meeting in Niagara Falls.



Jane Parks and Heather Mattila receiving Travel Awards from ESO President Gard Otis.

Temporal dynamics of sperm in females of the spruce budworm (SBW), *Choristoneura fumiferana*

Mireille Marcotte, Johanne Delisle and Jeremy N. McNeil

During mating, SBW males transfer two types of sperm, apyrene (anucleated) and eupyrene (nucleated). Their temporal distribution within the female reproductive tract varied considerably. These differences will be discussed with respect to the potential role of the two types of sperm in the short and long term control of post-mating pheromone inhibition, a phenomenon also called pheromonostasis.

Potential utilization of dog-strangler vine (*Vincetoxicum nigrum* (L.) Moench) as an oviposition site by the monarch butterfly (*Danaus plexippus*) Heather R. Mattila and Gard W. Otis

Anecdotal reports indicate that monarch butterflies oviposit on dog-strangler vine, a European species in the family Asclepiadaceae that includes host plants of the monarch larvae (Asclepias spp., or milkweeds) We compared adult oviposition and larval survival, growth and consumption on dog-strangler vine versus milkweed.





Renew and Nominate!

Please renew your ESO membership today! ESO membership dues are so reasonable they can easily be forgotten. However, your Society depends on these revenues and appreciates prompt remittal. An invoice is included with this newsletter - please mail it with your payment today.

Student and amateur memberships are free but must be renewed each year!

Send your invoice and payment to:

Dave Hunt, ESO Secretary
Agriculture and Agri-Food Canada
Greenhouse and Processing Crops Research Centre
2585 County Road 20
Harrow, ON N0R 1G0

The ESO always welcomes new members. Please encourage your fellow workers and students of entomology to join the Society. Application forms can be obtained on the ESO website at:

<http://www.utoronto.ca/forest/eso/eso.htm>

Every year, the nominations committee asks the Membership to nominate individuals interested in filling the positions of President-Elect, Director and Student Representative. **We require at least 2 candidates for the position of President-Elect, at least 3 candidates for the two Director positions and at least 2 candidates for the position of Student Representative.** Successful candidates begin serving their terms on the Governing Board at the next Annual Meeting in Ottawa. The President-Elect serves 1 year each in the positions of President-Elect, President and Past President. Directors serve a three year term and the Student Representative serves for 1 year. Responsibilities of board members are not onerous but, at the same time, are vital to the well-being and functioning of the organization.

Please forward your nominations by March 5, 2002 to Gard Otis at: gotis@evb.uoguelph.ca

Accepting Manuscripts for PESCO Volume 133

Thanks to all who have submitted papers for volume 132. **We are now accepting papers for volume 133.** If you have a note or a research paper or a book review we would like to consider your work for publishing in PESCO, the longest standing entomological publication in North America.

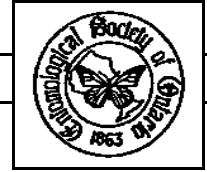
Looking forward to reading about your work.

Yves Prevost Ph.D. ,
Entomologist
Chair of the Environmental
Studies Program
Editor of the Proceedings of the
Entomological Society of Ontario

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Message of Thanks From Former PESO Editor

Dear Fellow ESO Members,

After retiring from Queen's University, I have completely redone a room in our house so as to have a good office/study to work in. The plaque that I received from the Society hangs there on the wall, among other prized memorabilia of my professional life, such as a Balinese monkey mask, a pinned and framed *Attacus atlas* and a New Guinea skull rack. When I was asked to edit the Proceedings, I considered it both an honour and a daunting responsibility, especially since it is the ESO of all scientific organizations, with which I have identified most closely. Our small, but high quality journal has served the Society well for over a century, and I hope that the plaque I received indicates that my best has been good enough. I want to thank you all for having trusted me to edit your journal, and for honouring me with the plaque.

Dolf Harmsen



A Great Opportunity to Visit Siberia

Dolf Harmsen, who recently retired from Queen's University, is organizing an 'expedition' to central Siberia. From 12 August to 10 September this year, he and Bori Sheftel, a Russian ecologist, will guide a group of enthusiasts from the tundra of the Taymir Peninsula down south up the Yenisei River to the steppes and deserts on the Mongolian border. The entire journey, excluding travel from home to Moscow and back costs US \$1980. This should be a great opportunity to collect insects in a part of the world until recently closed to Western visitors. No permits are needed for collecting in Russia, but some of the nature reserves we will visit do not allow collecting. Student members should note that the expedition can be taken as a credit course.

For further information contact Dolf Harmsen at dolf@harmsen.net, or visit: <http://www.interuniversity.ca>.

W. John D. Eberlie Field Research Travel Award for Original Research into Ontario Insects - Toronto Entomologists' Association

In memory of long-time member, W. John D. Eberlie, the T.E.A. is offering a research travel award of \$300 to assist graduate or undergraduate students conducting original field research into Ontario insects. The award is intended as a travel grant to defray costs of travel to field sites used for research. The award will be made on the basis of merit and quality. Applicants must be a graduate or undergraduate student at an Ontario university and a member of the Toronto Entomologists' Association. Submit a properly completed application form, available from the T.E.A. The original application plus 3 copies must be submitted to the T.E.A., **postmarked no later than March 25, 2002**. An application form for the award, details on the terms of the award or for membership in the T.E.A. (\$10 per year for students) may be requested by writing to: Nancy van der Poorten, President T.E.A., 164 Morse Street, Toronto, Ontario M4M 2P8 Phone (416) 466-9013; e-mail: nmg.vanderpoorten@sympatico.ca www.ontarioinsects.org



Upcoming Meetings and Events

The 5th International Congress of Dipterology

Brisbane, Australia, 30 September to 4 October, 2002

For more information contact Sally Brown, Conference Connections: sally.brown@uq.net.au

<http://www.uq.edu.au/entomology/dipterol/diptconf.html>

Leading grasshoppers

Every March 16, Finns in central North America celebrate St. Urho's day. This celebration places St Urho, the patron saint of the Finns, in the limelight and as legend states, he led all the grasshoppers out of Finland.

Go to <http://www.sturho.com/celebrat.htm> for more information like pictures, history of the legend and maybe a location of a celebration near you if you are looking for something to celebrate on March 16, one day before St. Patty's day!!

International IPM Conference: Exploring New Frontiers in Integrated Pest Management

Toronto, Canada

March 24 to 26, 2002

Contact: Margaret Appleby, IPM Systems Specialist, OMAFRA
margaret.appleby@omafra.gov.on.ca

613-475-5850

For more information visit the conference website at:

<http://www.gov.on.ca/omafra/ipmconference/>

VIII International Colloquium of Invertebrate Pathology and Microbial Control

VI International Conference on Bacillus thuringiensis

XXXV Annual Meeting of the Society for Invertebrate Pathology

all at: Foz do Iguassu, Brazil
August 18 to 23, 2002

Integrated Control in Glasshouses

A joint meeting between IOBC/WPRS and IOBC/NRS Glasshouse Working Groups

6 - 9 May 2002, Victoria, British Columbia, Canada

The meeting will feature 4 days of presentations and workshop discussions on Integrated Pest Management in Glasshouses, and will include a research tour of the dynamic glasshouse industry in southwestern British Columbia.

To receive further information send your address and E-mail to D.R. Gillespie,

Local Arrangements Chair

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