

# Entomological Society of Ontario Newsletter

February, 2003

Volume 8, Issue 1



## Journal of the Entomological Society of Ontario Renamed! - Yves Prevost, JESO Editor

There have been three changes to our journal over the past year. First, the society voted at the last general meeting in Ottawa to rename our journal, the Journal of the Entomological Society of Ontario (JESO). The old name, the Proceedings of the Entomological Society of Ontario, seemed to have passed its time and many stated that a new name was needed to reflect the content of our publication, in that it is a fully refereed journal of international status (Table.1 on page 2).

Second, I would like to welcome Ms. Karen Jamieson, chief of publications at Great Lakes Forestry Centre of the Canadian For-

est Service in Sault Ste. Marie, as the journal's new technical editor. Karen brings a lot of experience as she has been working with scientific publications since 1980.

Third, the board agreed that every new volume of JESO should have a review article to increase the citation impact of our journal. The board agreed that page charges will be covered for the accepted review article. If you have suggestions for a review article that would be of interest to entomologists in Ontario, please submit a proposal consisting of the goal and the importance of the topic and an outline of the article by subtopics.

Volume 133 is well on its way, and should hold a review article, four regular articles, one note and two book reviews; three articles will be in agriculture, two in systematics and one in forestry. Once again, Coleoptera will be the major theme! Not surprising in that Coleoptera hold the largest number of species.

Finally, I invite all members to consider publishing in our journal. The time from submission to publishing is less than one year if all goes well with the manuscript. There are no deadline dates, so just submit your articles any time. I look forward to reading about your work in the near future!

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**Table 1.** Institutions around the world receiving the Journal of the Entomological Society of Ontario.

Country	Number of institutions	Country	Number of institutions
Canada	33	Guam	1
USA	86	Italy	2
Australia	1	Netherlands	1
Brazil	1	New Zealand	1
England	7	Norway	1
Finland	1	Russia	2
Germany	5	Sweden	1
Greece	1	Zimbabwe	1

and the President's Prize for her poster entitled "Impact of carbofuran (Furadan®) and spinosad (Tracer®) on honey bees foraging in sweet corn". Steve Offman of Laurentian University was also a recipient of an ESO Travel Award to attend the Annual Meeting in Ottawa.

Abstracts of the President's Prize winners' presentation and poster are on page 3 of this newsletter and colour pictures of the happy award winners receiving their cheques from ESO President (2002) Barry Lyons are on the ESO website.

## 2002 Annual Meeting

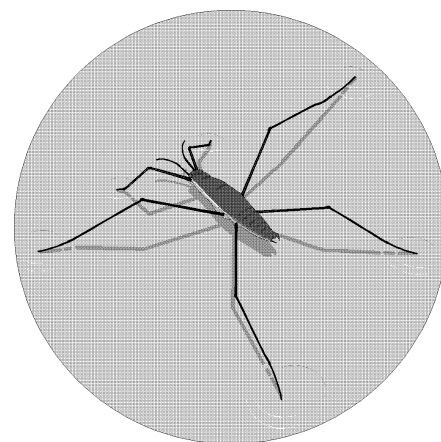
The program for the 2002 Annual Meeting including abstracts of all presentations and posters is also posted on the ESO website. ([www.entsocont.com](http://www.entsocont.com))

The 139<sup>th</sup> ESO Annual Meeting was held in Ottawa, October 18 – 20, 2002 at the Embassy West Hotel and Conference Centre. The theme of the meeting was "Invasive Species and Biodiversity." Attendance at the meeting was exceptional despite the tempting alternative of brilliant colours in the Gatineau hills and beautiful fall weather.

The Annual Meeting, organized by Bruce Gill and Peter Mason, included a 'mixer' on Friday night, the feature symposium on invasive species and biodiversity on Saturday morning and a full afternoon of student posters and presentations as well as regular

member presentations. A Banquet was held on Saturday evening featuring Gary Umphries' highly entertaining discourse on "Insect invasion and its cultural consequences". Sunday morning held a full slate of regular member presentations as well.

Crystal Ernst of Carleton University received the President's Prize from ESO President Barry Lyons for her presentation titled "The effects of an invasive vine, *Vincetoxicum rossicum* (Asclepiaceae), on arthropod diversity in old fields". Janisse Bailey of the University of Guelph was a double winner at the Annual Meeting receiving both a student travel award





## 2002 President's Prize Winners and Travel Awards

### President's Prize Winner for Oral Presentation 2002: Crystal M. Ernst



#### The effects of an invasive vine, *Vincetoxicum rossicum* (Asclepiaceae), on arthropod diversity in old fields

Crystal M. Ernst\* and Naomi Cappucino

Pale swallow-wort (*Vincetoxicum rossicum*) is an alien invasive vine that is an emerging pest in natural areas in Ontario and northeastern U.S. To assess the impact of *V. rossicum* on arthropod abundance and diversity, arthropods were collected from monotypic stands of *V. rossicum*, common milkweed (*Asclepias syriaca*), goldenrod (*Solidago altissima*), and mixed graminoids using pitfall traps and by sampling individual plants. Arthropods were counted and identified to functional group. As expected, there were

few herbivores on *V. rossicum* foliage, and, probably as a consequence, few predators. As well, the abundance and diversity of ground-dwelling arthropods was lower under *V. rossicum* than under goldenrod or grasses. If *V. rossicum* is successful at displacing grasses and goldenrods, the impact of this invasive plant on old-field arthropods will be considerable.



Steve Offman of Laurentian University being congratulated by Barry Lyons for receiving an ESO travel award.



Janisse Bailey from the University of Guelph receives congratulations for her receipt of a travel award.

### President's Prize Winner for Poster Presentation 2002: Janisse C. Bailey



#### Impact of carbofuran (Furadan®) and spinosad (Tracer®) on honey bees foraging in sweet corn

Janisse C. Bailey\*, C.D. Scott Dupree, C.R. Harris, B.J. Harris and J.H. Tolman

This study compared the potential risks posed to honey bees by the current industry standard for European corn borer (ECB) (*Ostrinia nubilalis* Hübner) control, carbofuran (Furadan®), to a new biocide, spinosad (Tracer®). The acute toxicity and behavioral changes caused by carbofuran and spinosad to honey bees was evaluated using three different assay techniques: direct contact, residual contact and oral. Findings from direct contact and residual contact assays are discussed.



### Treasurer's Report Blair Helson

The following is the financial report for the period, 19 October, 2001 to 18 October, 2002. A financial summary for this period is attached.

The production and preparation costs for Volume #132 amounting to \$7028.90 have been paid. This is the second volume printed by the University of Toronto Press at greatly reduced costs compared to previous volumes.

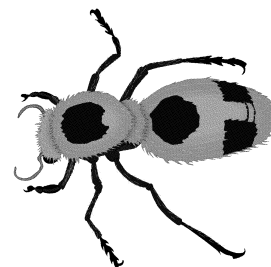
143 copies (8 free of charge) of Volume #132 were mailed to subscribers on 16 August 2002. This was only 1 fewer than Volume 131 in 2001. About 73 subscriptions have been paid to date.

Invoices were also sent to authors for page charges and reprints on 26 August. Payment has been received from 3 authors for Volume 132 to date. There is still one outstanding page charge for Volume 131.

A large surplus of 9,815.86 was generously given to the Entomological Society of Ontario by the organizing committee of the 2001 ESC/ESO Annual Meeting.

\$10,000 was invested in 2002 Ontario Savings Bonds. Three-year, fixed rate, compound interest Bonds with an annual interest rate of 4.625% were purchased. At maturity these bonds will yield \$11,452.70

The Society is in sound financial shape and has a large surplus this year as a result of the modest printing costs for volume 132 and the large surplus from the 2001 Annual Meeting.



#### Financial Summary Period: 19 October, 2001 - 18 October, 2002

##### Canadian Account

###### **Credits**

Dues	\$3,965.00
Subscriptions	\$1,470.00
Bank Interest/Credits	\$ 20.49
Transfer from US Acct	\$1,569.00
Page charges:	\$4,220.00
01ESC/ESO Mtg Surplus	\$9,815.86

**TOTAL \$21,060.35**

###### **Debits**

V132 Print.	\$ 4,718.90
V132 Prep.	\$ 2,310.00
Pres. Prizes	\$ 500.00
Travel Awards 2001	\$ 500.00
Travel Awards 2002	\$ 700.00
Bank Charges	\$ 47.30
Bond Purchase	\$10,000.00
Stationary	\$ 234.19

**TOTAL \$19,010.39**

Starting Balance, 19 October, 2001	\$ 5,580.03
Credits	\$21,060.35
Debits	\$19,010.39

**Balance, 18 October, 2002 \$ 7,629.99**

##### US Account

###### **Credits**

Subscriptions	\$4,128.98
Dues	140.00
Page Charges	670.00

**TOTAL US\$4,938.98**

###### **Debits**

Transfer to Cdn Acct	\$ 1,000.00
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**TOTAL US\$1,000.00**

Starting Balance, 19 October, 2001	US\$ 7,010.21
Credits	4,938.98
Debits	1,000.00

**Balance, 18 October, 2002 US\$10,949.41**

##### **TOTAL ASSETS**

Canadian Account	Cdn \$ 7,629.99
US Account	US \$10,949.19
Ontario Savings Bonds	Cdn \$20,000.00



## ESO Developing Plans to Rule the World

### Jim Corrigan, Chair, Public Education Committee

As a result of effective streamlining of the Society's business dealings, and the financial windfall derived from the joint 2001 ESC/ESO meetings in Niagara Falls, the Society finds itself in very good financial shape! The ESO Board of Directors wishes to use (judiciously!) some of our resources to promote entomology, and the ESO, in Ontario. The Public Education Committee of the ESO has been asked to develop some initiatives that our Society could implement to raise awareness and interest in entomology. The members of the Pub-Ed Committee have circulated a preliminary 'wish list' of ideas to meet this goal. Our objective is to bring forward a set of proposed actions to the Board of Directors in 2003. Some of our preliminary notions include:

- Creation of annual **undergraduate** travel award(s) to attend our annual meetings;
- Establishment of a small equipment/supplies grant for Groups that are promoting entomological awareness in Ontario;
- Increase the number of our traditional awards and grants.

The Public Education Committee

welcomes YOUR ideas on how the ESO can work to promote entomology in Ontario. Please forward any wild or not-so-wild ideas, notions, schemes or dreams to one of the members of the Pub-Ed Committee:

Jim Corrigan  
bugjimcorrigan@gosympatico.ca

Heather Mattila  
hmattila@uoguelph.ca

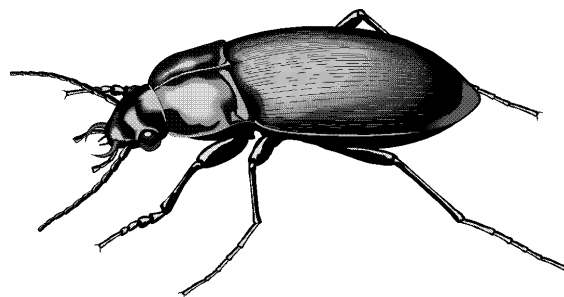


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Margaret Pickles  
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Yves Prevost  
yprevost@sky.lakeheadu.ca

We are currently in the 'idea generation' stage, so anything goes at this point. Please get involved and help our Society promote entomology in Ontario.



## 2002 Election Results

The nominations committee of Gard Otis (Chair), David Hunt, and Barry Lyons 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, 2002 Newsletter and candidate's biographies were also included in the Newsletter. A total of 122 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 1<sup>st</sup>. Fifty-nine ballots were returned prior to the August 1<sup>st</sup> deadline, which is exactly the same number as the previous year and the year before that!

The successful candidates were Jim Corrigan for President Elect, Miriam Richards and Tracey Baute for the Directors positions, and Heather Mattila for Student Representative.



## Please renew your ESO membership now!

Even if the Society is in good financial shape, the ESO still depends on these revenues and appreciates prompt remittal. An invoice is included with this newsletter - please mail it with your payment today. Fellows of the ESO and life members do not receive an invoice, nor do members who have already paid. If you are missing your invoice for any other reason, contact Dave Hunt to arrange payment.

**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 web-site at:

<http://www.entsocont.com>

## Nominations Needed for 2003

Once again, it is time for the nominations committee to ask members of the ESO 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 Guelph.

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. Contact an ESO Board Member for more information.

Please forward your nominations by March 15, 2003 to Barry Lyons at: [blyons@nrca.gc.ca](mailto:blyons@nrca.gc.ca)

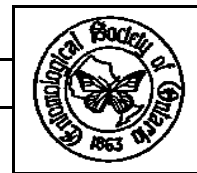
## Fill This Space!

The ESO Newsletter is currently produced twice a year, in February and June. The newsletter is normally restricted to the business of the ESO, but there is usually room for items of general entomological interest. It's doubtful that we will start printing 'help wanted' ads, 'personals' ads, or advice columns, but since the next issue will probably be my last, I could get away with just about anything. Aspiring editors and ESO members can send submissions to Neil Carter, ESO Newsletter editor at [neil.carter@omaf.gov.on.ca](mailto:neil.carter@omaf.gov.on.ca).

### Editor's note:

Several theories have been brought forward regarding the apparent increase in the number of cockroaches wandering around the pages of the ESO newsletters. All these theories have so far proven to be false.





## About the ESO

The Entomological Society of Ontario (ESO) is an active society, dedicated to furthering entomology through annual meetings and publications. Over the past 140 years, it has served as an association of persons interested in the science of entomology. Today, as always, members of the Society have varied entomological interests; physiology, taxonomy, ecology and pest management. Although founded by amateurs, whose active participation is encouraged today, the majority of the Society's members are professionals, sharing their interests and expertise while working either in Provincial or Federal governments, industry or universities within Ontario as well as other parts of Canada and the world.

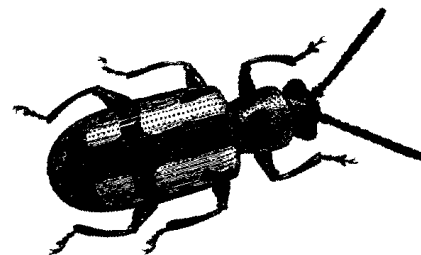
Joining the ESO entitles you to an annual subscription of the Journal of the Entomological Society of Ontario, receipt of ESO Newsletters, and attendance at the Society's annual meeting. It also provides an opportunity for you to meet and exchange information with other individuals involved in entomology throughout the province.

The Entomological Society of Ontario (ESO) was established in 1863 for "all students and lovers of entomology who shall express

their desire to join it and conform to its regulations." The society was founded by three naturalists from the Toronto and London areas and it is the oldest entomological society in Canada, and the second oldest in North America.

Initially, the Society had 22 members in Ontario who were "interested in entomology". Two of the original three founders went on to shape entomology in Canada: C.J.S. Bethune, Head of the Entomology and Zoology Department at the Ontario Agricultural College in Guelph (1906); and William Saunders, Director of the Experimental Farms of the Dominion of Canada in Ottawa (1886).

To find out more about the ESO, please visit our new website at [www.entsocont.com](http://www.entsocont.com). You can join the ESO by clicking on 'membership' and filling out the form. Teachers, professors and mentors of entomology should encourage their students to join the ESO. Membership for students is free but must be renewed each year.



## Hot Insects In the News

### **Emerald Ash Borer:**

[www.inspection.gc.ca/english/corpaffr/newcom/2002/20020822e.shtml](http://www.inspection.gc.ca/english/corpaffr/newcom/2002/20020822e.shtml)  
[www.inspection.gc.ca/english/plaveg/for/pestrava/agrplae.shtml](http://www.inspection.gc.ca/english/plaveg/for/pestrava/agrplae.shtml)

### **Leek Moth:**

[www.inspection.gc.ca/english/ppc/science/pps/datasheets/acrasse.shtml](http://www.inspection.gc.ca/english/ppc/science/pps/datasheets/acrasse.shtml)

### **Swede Midge:**

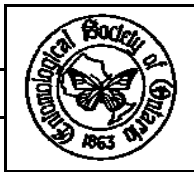
[www.gov.on.ca/omafra/english/crops/facts/swedemidge.html](http://www.gov.on.ca/omafra/english/crops/facts/swedemidge.html)  
[www.inspection.gc.ca/english/plaveg/hort/swede.shtml](http://www.inspection.gc.ca/english/plaveg/hort/swede.shtml)

**North American Plant Protection Organization:** updates on new pests: [www.pestalert.org/](http://www.pestalert.org/)

### **CFIA List of Pests Regulated by Canada:**

[www.inspection.gc.ca/english/plaveg/protect/listpespare.shtml](http://www.inspection.gc.ca/english/plaveg/protect/listpespare.shtml)





## Upcoming Meetings and Events

### ESC & ESBC JAM 2003

The 2003 Joint Annual Meeting of the Entomological Societies of Canada and British Columbia will be held in Kelowna, BC, November 2 - 5, 2003 at the Grand Okanagan Lakefront Resort. The theme of this years' meeting is *Insects in Shifting Environments*.

<http://esbc.harbour.com/jam.html>

### 2003 ESA Annual Meeting

The Cincinnati Convention Center in Cincinnati, Ohio will be the site of this years' ESA Annual meeting. The meeting will be held from Oct 26—29, 2003.

Full details are available at:

[http://www.entsoc.org/annual\\_meeting/2003/index.html](http://www.entsoc.org/annual_meeting/2003/index.html)

### 140<sup>th</sup> Annual Meeting of the Entomological Society of Ontario to be hosted at Guelph

Details still remain to be worked out, but the 140<sup>th</sup> (next) annual meeting of the ESO will be held in the Guelph, Ontario area. It will likely take place some time during the month of October, 2003, and will follow the usual Friday night - Sunday format. Stay tuned for further information as it is developed!

Entomologists in the Guelph area who would like to assist with the many duties involved in hosting the Annual meeting should contact any ESO Director and make their availability known. You do not need to be a board member to help make this meeting a success (and it's a great way to contribute to your Entomological Society!)

### 2003 Joint Eastern Branch ESA/ Potomac Division APS Meeting

March 16-18, Harrisburg, PA  
Harrisburg Hilton and Towers.

<http://www.ento.vt.edu/EBESA/mtnginfo.html>

### Fourth National Integrated Pest Management Symposium

April 8-10, 2003 in Indianapolis, IN, at the Westin, Indianapolis.

<http://nautilus.outreach.uiuc.edu/conted/conference.asp?ID=244>

### XXII International Congress of Entomology, Brisbane, Australia

"Strength in Diversity"  
August 15 -21, 2004

<http://www.ccm.com.au/icoe/index.html>

Searching for other conferences and events?

[http://ipmwww.ncsu.edu/cicp/IPMnet\\_NEWS/calendar.html](http://ipmwww.ncsu.edu/cicp/IPMnet_NEWS/calendar.html)

<http://dir.lycos.com/Science/Agriculture/Conferences/>

