

THE ESO Newsletter



February 2004

Volume 9, Issue 1

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Trees to be Saved!

ESO Newsletter to Go Electronic

At our November meeting, the ESO Board decided that the primary mode of publication of the Newsletter will be changed from a **paper-postage format to an internet-based publication**. The Newsletter has been available online for several years, but we have traditionally mailed out paper copies to all of our members. The Board has decided that the internet will become the primary source for members to receive their Newsletters, and paper copies will no longer be sent to ESO members as a matter of course. The rationale for this decision is as follows:

- It's a new millennium - A substantial majority of the Society's members have regular, convenient access to internet-based communications.
- CO\$T\$ - Every mass mail-out to our members costs the Society \$150-300 in printing, envelope and postage costs. To put this in perspective, each President's Prize Student Award is valued at \$200.00.
- Flexibility/Improvement – An electronic format will allow us to publish more material, cover it in greater depth, and incorporate colour photos, graphics and direct web links into our publication.
- Conservation – consider the trees that will grow strong and free, safe from the depredations of generations of enthusiastic ESO scribes!

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<http://www.entsocont.co>



RENEW RENEW 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 remittance. An invoice is included with this newsletter - please mail it with your payment today.

Student, amateur and emeritus 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 are on the ESO website at: <http://www.entsocont.com>.

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Several provisos were noted by the Board:

- Newsletters are customarily mailed out in combination with invoices, receipts, ballots and/or the Journal. Going electronic with the Newsletter will not reduce our mailing expenses to zero.
- There should be a provision to provide paper copies to those members who do not have access to an internet-based publication.

Our proposed plan for making this transition is as follows:

1. A Membership Renewal Form is sent to all members and subscribers each spring. The form will include a place for Email addresses. We are informing subscribers that we are moving to electronic publication of the Newsletter. We will be using their Email addresses as the conduit for their Newsletters. All subscribers are encouraged to take their Newsletters electronically, but the ESO will continue to provide paper copies to those subscribers that do not give an Email address.
2. The ESO Secretary will maintain an Email list of subscribers for the exclusive purpose of the distribution of Society business to our members.
3. On publication of a Newsletter, each subscriber will receive an Email message from the Society. The message will contain a link to the ESO website, where the most recent Newsletter will be available online.

If you have any comments or questions about this initiative, please contact:

Jim Corrigan, President
Dana Gagnier, Newsletter Editor
David Hunt, Secretary

Stability in a World of Change

-The Appointed Officers of the ESO

Like many scientific societies, the Entomological Society of Ontario is administered by a Board of Officers. The Board is comprised of volunteers who are elected or appointed from the Society's membership. The President, Directors and the Student Representative are elected positions to the Board. Each Director serves a three-year term, with two of six Directors being replaced on an annual basis. Similarly, the Presidential cycle (elect> acting> past) engages the individual in Society business for a three-year period. Our Student Rep. position is a one-year term. This has been an effective operating model for the ESO, as it brings fresh diversity and imagination to the administration of the Society on an ongoing basis.

This being said, there are two critical things that must take place for our Society to be successful. Somebody must do the basic 'processing' work that allows the ESO to move forward. I'm referring to essential duties - maintaining membership records, invoicing, accounting, conducting elections, publishing the Journal and the Newsletter. The second critical need is for a measure of administrative stability and a historic sense of direction for the ESO. Such stability typically comes from Officers with years of familiarity with Society business.

Both of these critical needs are provided by a dedicated group of volunteers who act as 'appointed' members to our Board. The Society's appointed positions currently include our Secretary, Treasurer, Librarian, Webmaster and our Journal and Newsletter editors. A great deal of the real work of running the ESO falls on the shoulders of our appointed Officers. More importantly, they act as the 'civil service' to the elected members of the Board, providing a depth of experience that is critical to the smooth function of the ESO.

I offer this brief political primer as an introduction to a note of thanks to two (three?) of our appointed Officers, who are moving on after many years of dedicated service to our Society.

Blair (and Susan!) **Helson** inherited the duties of ESO Treasurer from Scott MacDonald in 1995. For the past decade, Blair has been responsible for the accounting, bookkeeping and asset management required to conduct the business of the ESO. Working closely with the Secretary, the Treasurer must conduct several hundred transactions

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(primarily memberships and subscriptions) each year. All financial records must be meticulously accurate, as our Society has a legal requirement to fully disclose our financial affairs to the Ontario Ministry of Agriculture & Food.

Blair and Susan's financial records have always been impeccable, as evidenced by the recent independent audit of these records for the years 1995-2003. Blair provided clear, comprehensive reports of the financial status of the Society to every Board meeting conducted on his watch. Blair was there during the 'lean years' in the mid-1990's, when the costs of publishing the 'Proceedings' threatened the financial stability of the Society. Blair's meticulous records and his considered analyses helped to move the Board to study, and then implement, changes in our publication practices. These changes helped to turn around the finances of the Society. Throughout his tenure, but particularly in the 'good years' of more recent regimes, Blair has provided well-researched and prudent financial management advice to the Board. Through the past decade, Blair's experience and judgement has guided successive teams of elected members on the Board of Officers. Blair and Susan are to be commended for their dedicated work and excellent service on behalf of the Entomological Society of Ontario – you both have made a real difference to the fortunes of our Society!

Neil Carter can rightly be called 'Newsletter Editor of the Millennium'! Neil has been responsible for the production and distribution of the ESO Newsletter since he took over from Barry Lyons in the spring of 2000. The ESO Newsletter is an essential part of the Society's business. It provides a forum for the announcement of upcoming ESO activities, a place to report policy/administrative Board actions and it provides essential information needed to conduct the annual democratic elections of our Officers and Fellows. Under Neil's tenure, the Newsletter fulfilled all of its essential functions, and Neil always found the energy to dress it up with items of entomological interest and some cool bug clip-art bits.

Working to ESO-mandated schedules meant that Neil often had to 'encourage' us to submit our materials for his (very-real!) publication deadlines. Neil could have a little 'J. Jonah Jameson' in him (the Crusty Editor of the newspaper where Peter Parker [AKA Spiderman] toiled). There was a 'secret code' that indicated Neil's state of pleasure with our contributions to a particular Newsletter. If authors did not get work in on time, more clip-art bugs (= 'filler') appeared in the Newsletter. Multiple cock-

roaches implied that our Editor was not impressed [GRIN]! As with all of our appointed Officers, Neil contributed a perspective to Board deliberations that came from his thorough familiarity with Society business. In his last days as an ESO Officer, Neil was one of the strongest proponents for the move to an internet-based release of the ESO Newsletter.

As they pass the mantle of responsibility to a new set of dedicated volunteers, I want to thank Neil, Susan and Blair for their significant contributions to the Entomological Society of Ontario. As well, I want to thank our incoming Treasurer, Kevin Barber, our new (First Edition!) Newsletter Editor, Dana Gagnier, and our 'Vets' – Jim Brett, Librarian, Dave Hunt, Secretary & ESC Rep., Barry Lyons, Webmaster and Yves Prevost, Journal Editor. Our Society would grind to a halt without the work that our appointed Officers quietly do on our behalf. Many thanks to all of you!

Jim Corrigan, President

Obituary J. Antony Downes

J. Antony Downes died on 24 June 2003 at age 89. Born in Wimbleton, England, Antony was a lecturer in entomology at the University of Glasgow from 1940 to 1953. Antony immigrated to Canada in June 1953 and most of the time until retirement he was associated with the "old" Entomology Research Institute. In 1956, Antony was the general secretary of the 10th International Congress of Entomology (held in Montreal). During 1958 and 1959, he was the head of the Medical and Veterinary Entomology Unit and from 1960 to 1971, he was head of the Experimental Biology Section of the ERI. In the mid-1970s, Antony was instrumental in starting the Biological Survey of Canada (it is still flourishing today). Antony wrote over 50 scientific papers, mostly on the feeding and mating behaviour of biting midges and mosquitoes and on Arctic insects. He also studied the feeding habits of some Lepidoptera. In 1976, he was elected a Fellow of the Entomological Society of Canada and in 1977 the Society awarded Antony the prestigious Gold Medal for outstanding achievement in entomology. He retired in 1978. A few months before his death Antony finished writing a theological treatise entitled "A Genesis of Early Christian Liturgies: the Ember Times."

*Edward C. Becker
and Colleagues*



State of the Onion



– ESO 2003-2004

Greetings to all ESO members, Jim Corrigan here. I am honoured to serve you as your President in 2004.

With a change of elected officials, it's typical to hear sad tales about the awful mess that the 'Transition Team' has inherited from the outgoing administration. It sometimes seems that undisclosed deficits, scandals and sweetheart patronage appointments are the stuff of electoral change.

Not so in the Entomological Society of Ontario! Canada's original Entomological Society steps into 2004 as a strong, exciting and forward-looking organization. In this 'State of the Onion' address, I'd like to share the status of the ESO with you and highlight some of initiatives undertaken by your Society in 2003-2004:

- Volume 133 of our scientific publication was the first edition put out under the new title, the "**Journal of the Entomological Society of Ontario.**" The title was changed to better identify the Society's publication as being a fully-refereed and peer-reviewed scientific periodical.
- The Society continues to be in excellent fiscal health.
- Our membership base grew again in 2003, with a continued increase in the number of student members.
- In recognition of their life-long contributions to science and society, the ESO named two distinguished entomologists, Drs. **Ed Becker** and **Ron Harris**, as Fellows of the Entomological Society of Ontario.
- Our Student Representative on the 2003 ESO Board, **Heather Mattila**, has compiled a list of **Academics Teaching Entomology in Ontario**. This list will allow us to inform these entomologists of ESO business that is relevant to their undergraduate and graduate students (e.g. Scholarship, Membership, Job Fair info).
- Based on suggestions coming from the ESO membership, the **Public Education Committee** submitted a set of proposals to the ESO Board at the fall meeting. The proposals represented a 'wish list' of initiatives that the ESO might undertake to increase the profile of Entomology, and the Society, in the province. Two of these proposals received immediate approval by the Board. The Board approved the creation of a new **Undergraduate Travel Award** (see *NEW TRAVEL article page 9*). As well, the Board approved in principle the **transition of the ESO Newsletter from a paper-based to an internet-based publica-**

tion for the majority of the ESO membership (see *TREES article page 1*).

- Our strong fiscal situation allowed us to award a second **Student Travel Grant** of \$350.00 in 2003.
- The ESO awarded a **Small Equipment Grant** of \$200.00 to the Eastern Ontario Biodiversity Museum. The EOBM is a non-profit organization based in Kemptville, ON. Among other activities, they run nature camps for visiting school groups. They wished to add insect identification workshops to their programs. The museum had inherited seven binocular microscopes from Carleton University, but one was in need of maintenance and none of them came with light sources. Support from the ESO allowed the EOBM to refurbish the ailing microscope, and set all of them up with halogen light sources. Our Grant also covered the purchase of collecting supplies (insect pins) for use by the camp participants.
- The Guelph Organizing Committee did an outstanding job in conducting the **140th Annual Meeting of the Entomological Society of Ontario**. The talks and posters from our Plenary, Regular and Student presenters were first rate (see *140th ESO article page 6*). Although the dust has yet to settle, it appears that these meetings were conducted at a net profit to the Society.

So, I'm happy to say that my 'Transition Report' is extremely positive! We are on strong fiscal ground and are riding a wave of enthusiasm about our Society. With such a successful year, I must acknowledge those members who are 'passing a bright torch' as they leave office with the Society. Although still active as Past-President, I must thank **Bruce Gill** for his commitment, humour, hard work and wise counsel as ESO President in 2003. I thank Directors **Bruce Broadbent** and **Kathryn Nystrom** for bringing their ideas and sage judgement to the ESO Board from 2001-2003. **Heather Mattila** made significant contributions as the Student Representative to the Board for 2003. A special mention must go to our outgoing Newsletter Editor, **Neil Carter**, who successfully wrangled reports and articles out of us for the past several years and pieced them together to produce our great Newsletters (see *STABILITY article page 2*).

The ESO Board is pleased to welcome a new crew of capable Officers to 'take up the torch'. **Fiona Hunter** is our President-Elect and, with Director **Miriam Richards**, has agreed to host the 2004 ESO Meeting (Nov. 5-7, Brock University). I welcome **Patrice Bouchard** and **Gary Umphrey** as Directors and **Laura Timms** as our Student Representative to the Board. Finally, I thank **Dana Gagnier** for assuming the important duties of Newsletter Editor from Neil



Carter.

What are we planning for 2004?

Along with the Presidency, I continue to serve as the Chair of the Public Education Committee. If my term in office can be thought to have a 'theme', it will be to foster outreach opportunities to improve communication about Entomology in Ontario. I'm delighted with the success of our initiatives to support student participation in the ESO. We need to continue in this direction and also find ways to share our excitement about entomology beyond our traditional academic clients. I hope to improve the flow of information from the ESO to its members and to improve the fiscal efficiency of running the Society's business. Some of the initiatives that we are conducting/considering for 2004 include ...

- The ESO will be forwarding **independent audits of our recent financial records** to the Ontario government, as required by the Ontario Ministry of Agriculture and Food. Our fiscal records for nine years (1995 through 2003) were verified, which brings the Society up to date with its auditing responsibilities. Many thanks for the dedicated volunteer work done to produce these audits by **Kevin Barber** and **Leo Cadogan**.
- **Laura Timms**, our Student Representative, is compiling an **Email Address List of the Student Members of the ESO**. This will facilitate direct communication on issues of concern to our student members.
- Current ESO policy is to offer free memberships to students studying anywhere in the world. While we wish to maintain this policy, the Society has been incurring significant postal expenses to mail out our materials to these members. The ESO Board has elected to impose an **administrative fee of \$10 for student, emeritus and amateur members residing outside Canada** in order to recover the real costs of servicing these memberships.
- **Dana Gagnier**, and **Dave Hunt** and I will be working on the transition of the **Newsletter** to an electronic format (*see TREES article page 1*).
- The ESO will be experiencing a significant transition, as our **Treasurer** for the past decade, **Blair Helson** (ably assisted by his wife, **Susan!**), will be stepping down at the Interim Board Meeting this spring (*see STABILITY article page 2*). We anticipate a very smooth transition, as **Kevin Barber** has graciously volunteered to assume the position of Treasurer of the ESO. Kevin is very familiar with our financial protocol, having just co-audited our fiscal records for the past nine years. As well, he is located in the Soo, in close proximity to Blair and Susan, so he will

have **EXPERT CONSULTANTS** nearby should any 'glitches' arise.

- The ESO will be participating in Ontario's first **Outdoor Insect Fair** in early May (*see KICK UP article page 9*).
- The balance of the 'Wish List' from the **Public Education Committee** will be brought forward for deliberation at the Interim Board Meeting this spring. It is anticipated that one or several new outreach initiatives will be set in motion. Potential new activities include:
 - Institution of a 'Small Equipment Grant' program modeled on our Grant to EOBM in 2003.
 - Waive or lower publication expenses for authors under certain circumstances.
 - Produce a brochure about Careers in Entomology.
 - Increase the frequency of publication of the Newsletter.
- The **141st Annual Meeting of the ESO** will be held at Brock University, St. Catharines, ON - Nov 5-7, 2004.

Finally, I ask all of you to consider sharing your enthusiasm for entomology by participating in our Society's activities. For example, the new Internet format for our Newsletter will facilitate the publication of longer articles, and allow us to use colour pictures and graphics. Consider writing an article on your entomological work, trip, passion or whatever, include your jpeg photo 'evidence', and send them on to **Dana Gagnier**. After Chairing our last annual meeting, I can tell you that volunteers and ideas always are appreciated by a fledgling Organizing Committee. Why don't you contact **Fiona Hunter** or **Miriam Richards** and offer your ideas and your energy to our next ESO meeting? Join the ESO for a sunny (???) spring weekend in the Guelph Arboretum at the Insect Fair! Tell a friend, colleague or student about the ESO. Remember, student membership is free, and our regular membership fee is one of the great values in entomology [GRIN]!

I hope everybody has a happy and successful 2004! Please feel free to drop me a post or an email with any issues, ideas or suggestions that you feel would contribute to our Society.

Jim Corrigan

ESO President
P.O. Box 291
Harriston, ON
N0G 1Z0





140th ESO Annual Meeting

The Annual Meeting of the ESO was held at the Conference Centre, OMAF Building, Guelph, Ontario, November 28-30, 2003.

With over 120 participants, this past ESO AGM was one of the largest (non-joint-ESC) meetings in our history. The strong student representation, both as organizers and participants, contributed energy and enthusiasm throughout the meeting.

Friday afternoon's opening activities began with an open-house event entitled the 'Careers in Entomology' Job Fair. This first-time event was open to the public, but was focused on serving the interests of undergraduate and graduate entomology students. Professional entomologists from two pest control companies, three Ontario universities, the Ontario Ministry of Agriculture & Food and Agriculture & Agri-Food Canada set up displays and provided representatives to give their expert advice and guidance. The Job Fair attracted 60-80 attendees from around the province. Reports from all participants indicated that it was a very informative and worthwhile event.

Friday evening activities included an Insect Expo, complete with several entomological displays. The 'piece de resistance' was the 'Eat Your Work' demonstration and insect cuisine tasting session prepared by Jeff Stewart - Notre 'Chef be Bibittes'.

Saturday morning featured the symposium on Insect-Plant Interactions, followed by a full programme of student talks and posters in the President's Prize Competitions.

New this year, the Organizing Committee supported four **Runners-Up Prizes** for the President's Prize stu-

2003 President's Prize Winners for Oral Presentation

FIRST PLACE: Barbara Frei

'Are You Listening?'
- vibrational sensitivity in *Drepana arcuata* caterpillars

Barbara Frei and Jayne Yack

Department of Biology
Carleton University
Ottawa, ON K1S 5B6



Recent evidence supports the belief that many small herbivorous insects, such as caterpillars, use substrate-borne vibrations for communication. Though this phenomenon is believed to be widespread, the subject has been poorly studied to date, since humans are typically unable to detect these signals without specialized instrumentation. The caterpillar of the hook-tip moth *D. arcuata* produces three unique acoustic signals in their territorial displays that we believe are communicated through plant-borne vibrations. In a series of experiments we tested the hypotheses that (i) residents detect intruders and (ii) intruders detect and are repelled by residents, through vibrations (as opposed to pheromone or visual signals). Our results indicate that without substrate borne vibrations, residents fail to detect approaching intruders, and that intruders react to an empty nest 'guarded' by artificially generated vibrations. Although the vibration-sensitive receptor organs have yet to be described for any caterpillars, preliminary anatomical results suggest these miniature vibration-receptors are located in the

President's Prize Oral Runners-Up:
Monica Sliva, Laurentian University and
Owen Lonsdale, University of Guelph

dent poster and paper competitions.

The ESO Banquet Saturday evening featured Jim Corrigan's fresh and entertaining tales of his personal role in "The Making of the Secret World of Gardens TV Show".

Sunday morning's speakers concluded the high-quality presentations at this year's annual meeting.

Congratulations Everyone!

Visit the ESO website (www.entsocont.com) to view the entire 2003 meeting program. Our webmaster, Barry Lyons, has updated our website with colour pictures of all student winners and Fellows receiving their awards from Bruce Gill. You'll also find colour photographs from the meeting.

2003 President's Prize Winners for Poster Presentation

FIRST PLACE: Rebecca Zeran

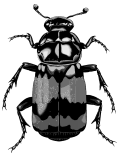


Biodiversity of selected saproxylic beetles in old-growth and mature managed forests in south-eastern Ontario

Rebecca Zeran

Department of Natural Resource Sciences
MacDonald College
McGill University
Ste-Anne-de-Bellevue, QC H9X 3V9

Saproxylic beetles (beetles which depend on wood or wood-rotting fungi), from the families Leiodidae, Endomychidae, Erotylidae and Nitidulidae, were collected from six forests (3 old-growth and 3 mature-managed) in south-eastern Ontario. Beetles were collected weekly from 29 April through to 3 October 2003 using flight-intercept and trunk-window traps. The beetle assemblages were compared between sites and linked to the quantity and quality of dead/downed wood at each site. Data was used to explore the ecological differences between old-growth and managed forests and to better evaluate forest diversity and ecosystem health in this area.



President's Prize Poster Runners-Up:
Sarah Brown, Carleton University and
Sheila Goodfellow, University of Guelph



2003 ESO Fellows

Two of our ESO members were honoured for their contribution to Entomology as they were officially installed as Fellows of the Society.



ESO Fellow
Dr. Edward C. Becker



ESO Fellow
Dr. C. Ron Harris

2002 ESO Fellows

We also took this opportunity to officially honour our 2002 ESO Fellows. Congratulations to **Dr. W.W. Judd** (absent) and **Dr. Chris Sanders**.



ESO Fellow
Dr. Chris Sanders

2003 ESO Travel Award Winners

GRADUATE:
Monica Sliva

Laurentian University



Monica receiving a Travel Award from ESO President Bruce Gill at the Annual Meeting in Guelph.

UNDERGRADUATE:
Shannon Mahony

Carleton University



Bruce congratulates Shannon on receiving an ESO Travel Award.



New to the ESO Newsletter

ESO SPOTLIGHT:

Ontario Amateur Entomologist's Photographs in the 2004 National Geographic Butterfly Calendar

Jay's shot of the eastern tailed blue *Everes comyntas* [Godart] is in **colour**.

View the colour version of the ESO Newsletter ONLINE at http://www.entsocont.com/Newsletter_Feb_2004.pdf

While you're connected, check out Jay's Butterfly Gallery, and his primer on photographing butterflies (or any insect).

Jay has a number of **NG calendars available** for purchase directly from him. Mention you read about him in the ESO Newsletter.

2004 is a 'calendar year' for Jay Cossey. Lupus Canada has featured a completely separate set of Jay's photographs in their fundraising calendar.

Here's that LINK: http://www.lupuscanada.org/en/2004_calendar.html



Photo appears courtesy of Jay Cossey.

Link to National Geographic's first ever butterfly calendar:

<http://shop.nationalgeographic.com/shopping/product/detailmain.jsp?itemID=1232&itemType=PRODUCT&iMainCat=114&iSubCat=147&iProductID=1232>

Send your suggestions for people or places in Ontario that we could feature in the Entomological Limelight to:

Dana Gagnier
Newsletter Editor

Ideas and articles welcome.

Jay Cossey, a photographer living in London, Ontario has accomplished a formidable coup - he took all the photographs in the 2004 National Geographic Butterfly Calendar. The photo editor for National Geographic's calendars came across Jay's website (http://www.images.on.ca/JayC/jc_g1index.htm) and invited him to submit some butterfly photos. National Geographic decided to feature **only** Jay's photos, mostly North American species [not the usual tropicals!] and all taken as they were encountered in the wild, never after pinning or chilling! Of the 24 shots featured, **16 were taken in Ontario** - 9 in the London area, many around the banks of the Thames River. Jay has incredible patience and persistence to wait for that perfect shot. Sometimes he thinks the butterfly is just as intrigued with the curious human and the insect will actually pose for the photo!

The London Free Press put an article about Jay's achievement on their front page, and a couple of days later CBC Radio's "Ontario Morning" aired a live interview with him. Jay has previously had photographs featured in the 1998 book, *The Butterflies of Canada* by R.A. Layberry, P.W. Hall, J.D. Lafontaine; in an Audubon Field Guide; and in a Robert Bateman Naturalist's Diary. Jay also presented some of his work at a slide show at the ESO Annual Meeting Banquet in London during the 1980's.

Jay can be contacted at jay@images.on.ca

Congratulations Jay on this great accomplishment!

Bruce Broadbent

New Travel Grant for Undergraduate Students

In recent years, our Society has been encouraging 'tomorrow's' professional entomologists to participate fully in Society activities as undergraduate and graduate students. The ESO offers free membership to students residing in Canada, and encourages their participation in our meetings through several Grant and Awards programs.

At our fall Board meeting, the ESO approved the initiation of a new Travel Grant for Undergraduate Students. This grant will be in addition to the existing Travel Grant offered annually by the ESO to attend our fall meetings. The existing Travel Grant has been open to undergraduate students; indeed undergrads have won the award several times in the past few years. However, given increasing undergraduate interest in Society activities, a majority of the Board felt that it was time to designate a new Travel Grant specifically for undergraduate students. This new Grant will be run concurrently with, and with the same protocol as, our existing Travel Grant Program.

Coincidentally, I received the following letter after our recent meetings at Guelph. I felt that our members might wish to see the impact that our 'student-friendly' policies can have on up-and-coming Ontario entomologists. On request, I have edited the letter to not reveal the identity the author.

"Hello! I recently attended the ESO annual meeting at Guelph.

I actually attended the ESO meeting last year and presented a poster. As an undergraduate in my third year, I was terribly nervous at first to go to such a meeting, primarily geared for masters, PhD students and professors. Yet I was pleasantly surprised by the friendly and open nature of the other presenters and members.

This year I was still fairly nervous, truth be told! Once again I found everyone to be kind, considerate and encouraging. Its is a truly wonderful, eye-opening experience for an undergraduate to be able to mingle and pose questions on the same level as people who are our seniors in age, occupation and academia. In the endurance-driven rat-race of undergraduate studies, one is rarely able to share their accomplishments and explore their future amongst such good company! The presentations were all interesting and informative, with a wealth of new ideas and concepts from the world of entomology!

I was especially happy to see that the ESO are so encouraging towards younger students. I have been lucky; presenting my poster -- and this year my talk -- has given me experience that many of my colleagues lack. So this thank you is not only for me but for all the undergraduates in the years to come who will feel as privileged as I have, to be included in the society and meetings!

Wishing you luck, health and happiness in the upcoming holiday season.

*Sincerely,"
End of letter.*

So, let's give ourselves a collective pat on the back and let's keep up the good work of fostering entomology in Ontario! For those members than are in contact with accomplished undergraduate students, look out for the Request for Applications for this award later in the year.

Jim Corrigan, President

Kick up your Tarsi this Spring at the ESO BOOTH at Ontario's first Outdoor Insect Fair!

The Entomological Society of Ontario has agreed to participate in Ontario's first **Outdoor Insect Fair**. The event will be held at the **Guelph Arboretum**, Guelph, ON – **May 1 & 2, 2004**.

At this point, we are asking our members to:

1. Volunteer to staff our Booth on the Big Weekend!
2. Suggest ideas/activities that we could undertake at the Fair (Collecting trips? Interpretive tours? Demonstrations?).

The astute among you will see a link between our two requests. So, we are asking you to bring your ideas, enthusiasm and your 'corpus delicti' to the Fair. We have a chance to show the 'good work' of the ESO to a potentially large audience of entomophiles. It's a chance to share your particular entomological passion with the WORLD!!!

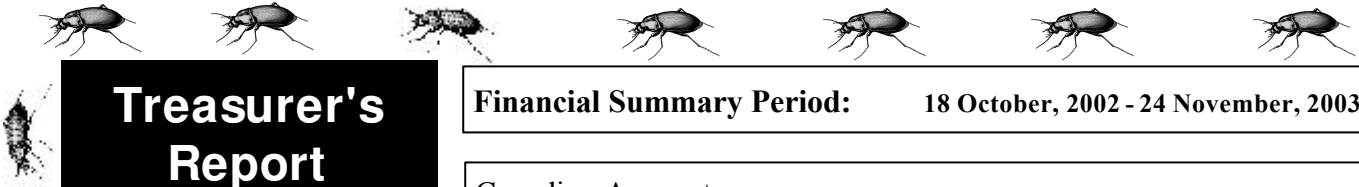
For more information about the Insect Fair, please see the web link listed in the 'Entomology in your hood' article page 12. To become involved with our ESO Booth, please contact:

Dana Gagnier
gagnierd@agr.gc.ca

Jim Corrigan
bugjimcorrigan@gosympatico.ca

FOUND at the Guelph ESO Meeting

A Canadian Tire 'Backpack' Sleeping Bag was found in the OMAF Conference Centre during the clean-up after our fall meeting. If you left this item behind and would like to get it back, please contact Jim Corrigan at: bugjimcorrigan@gosympatico.ca



Treasurer's Report

The following is the financial report for the period, 18 October, 2002 to 24 November, 2003. A financial summary for this period is attached.

Printing and preparation costs for Volume #133 amounting to \$6,056.21 have been paid. For the third year, the University of Toronto Press printed the Journal at a very reasonable cost.

136 copies (8 free of charge) of Volume #133 were mailed to subscribers on 29 October 2003. Although this is 7 fewer than Volume 132 in 2002, 5 of these are currently being transferred from one subscription service to another and we expect that these 5 subscriptions will be continued once the transfer is complete. Payments for subscriptions are just beginning to be received.

Invoices have been sent recently to authors for page charges and reprints for Volume 133. Payment has been received from 4 authors for Volume 132 to date. There are 2 outstanding page charges for Volume 132 totalling \$1995.00 and still one outstanding page charge for Volume 131 amounting to \$315.00.

The Society is in sound financial shape and is maintaining the surplus of about \$9800 which was donated to the Society from the 2001 Annual ESC/ESO Meeting.

Blair Helson

Financial Summary Period: 18 October, 2002 - 24 November, 2003

Canadian Account

| Credits | | Debits | |
|------------------------------------|---------------------|--------------------|--------------------|
| Dues | \$ 2,700.00 | V133 Print. | \$ 3,706.21 |
| Subscriptions | \$ 360.00 | V133 Prep. | \$ 2,350.00 |
| Bank Interest/Credits | \$ 120.83 | Pres. Prizes | \$ 500.00 |
| Transfer from US Acct | \$11,520.00 | Website(2002,2003) | \$ 227.47 |
| Page charges: | \$ 449.40 | ESO Mtg Deficit | \$ 1,106.49 |
| | | Bank Charges | \$ 53.45 |
| | | Postage | \$ 505.59 |
| | | Mailing Supplies | \$ 191.28 |
| | | Donation (EOBM) | \$ 200.00 |
| TOTAL | \$ 15,150.23 | | \$ 8,840.49 |
| Starting Balance, 18 October, 2002 | | \$ 7,629.99 | |
| Credits | | \$15,150.23 | |
| Debits | | \$ 8,840.49 | |
| Balance, 24 November, 2003 | \$ 13,939.73 | | |

US Account

| Credits | | Debits | |
|------------------------------------|---------------------|----------------------|---------------------|
| Subscriptions | \$1680.00 | Transfer to Cdn Acct | \$ 8,000.00 |
| Dues | \$ 21.00 | Stale Cheque | \$ 35.00 |
| Page Charges | | | |
| TOTAL | US\$1,701.00 | | US\$8,035.00 |
| Starting Balance, 18 October, 2002 | | US\$10,949.19 | |
| Credits | | 1,701.00 | |
| Debits | | 8,035.00 | |

TOTAL ASSETS

| | |
|------------------------------|------------------------|
| Canadian Account | Cdn \$13,939.73 |
| US Account | US \$ 4,615.19 |
| Ontario Savings Bonds | Cdn \$20,000.00 |

Insects In the News

NEW: Asian Longhorned Beetle (*Anoplophora glabripennis*):

Details of the ALB situation in Toronto can be found on the CFIA website:
<http://www.inspection.gc.ca/english/plaveg/protect/facren/alhbe.shtml>

North American Plant Protection Organization:

Updates on new pests: <http://www.pestalert.org/main.cfm>

<http://www.entsocont.co>



New to the ESO Newsletter

Graduate Position Announcements

GRAD ADS

MSc AND PHD PROJECTS

MOLECULAR ECOLOGY AND BIODIVERSITY OF SOCIAL SWEAT BEES AND CARPENTER BEES



One of the most interesting aspects of animal sociality is the evolution of cooperative behaviour, which is observed in many different kinds of animals, from bees to humans. In extreme cases such as colonial social insects, individuals known as workers or soldiers display a remarkable degree of self-sacrifice in aiding other individuals, foregoing reproduction or even dying to defend the colony. The existence of altruism in insects and other animals poses a fascinating evolutionary conundrum: how does reproductive altruism evolve when altruists contribute fewer genes to succeeding generations than do the selfish individuals that they help? Finding answers to this question is the main focus of research in my lab. Our studies involve laboratory and field methods, including molecular techniques (microsatellite analyses, DNA sequencing), behavioural studies, and ecological approaches.

Students interested in discussing the possibilities for MSc or PhD projects beginning in May or September 2004 or January 2005, should contact

Dr. Miriam Richards
 Department of Biological Sciences
 Brock University
 St. Catharines, Ontario L2S 3A1
 Phone: 905 688 5550 x4406
 Email: Miriam.Richards@brocku.ca

Advertise Ontario Graduate Student Positions here in the **GRAD ADS** section of the ESO Newsletter.

The ESO membership is brimming with today's brightest students; they already know Insects are SWEET!

Send Graduate Student Advertisements to:
 Dana Gagnier,
gagnierd@agr.gc.ca

LONDON ENTOMOLOGIST HONOURED

One of our ESO Fellows, **Bill Judd**, was recently named to the 2004 Mayor's Honour List in London, for his dedication to recording London's natural history for more than 50 years. It was mentioned that Bill's 1979 book (co-authored with J. Murray Speirs), *A Naturalist's Guide to Ontario* (1979) is on the University of Toronto Press's 100 most influential books. Congratulations Bill!

Bruce Broadbent

Insects In the News

THE USUAL SUSPECTS:

Emerald Ash Borer:
<http://www.inspection.gc.ca/english/corpaffr/newcom/2004/20040113e.shtml>
<http://www.inspection.gc.ca/english/plaveg/for/pestrava/agrplae.shtml>

Swede Midge:
<http://www.gov.on.ca/OMAFRA/english/crops/facts/03-035.htm>
www.inspection.gc.ca/english/plaveg/hort/swede.shtml

West Nile Virus:
 Health Canada website:
<http://www.hc-sc.gc.ca/pphb-dgspsp/wnv-vwn/index.html#wnvgen>
 For information on collecting and submitting dead birds for analysis:
<http://wildlife.usask.ca/WestNileAlertHTML/WestNileAlertEng5.htm>



Upcoming Events: Entomology in your 'hood!

Toronto Entomologist's Association – Monthly Meetings

Monthly meetings are scheduled for the last Saturday of each month, and usually start at 1 PM. All meetings are open to the public. Please join us!

Meetings are held at:

Northrop Frye Hall Room 113
Victoria University (at the University of Toronto)
73 Queens Park Crescent Toronto, ON
(Museum subway stop; opposite the Museum, on the east side)

Saturday, February 28, 2004 1 p.m.

- **Steve Marshall - SPECIAL PLACES, SPECIAL BUGS**

Saturday, March 27, 2004 1 p.m.

- **Student Symposium - THE LATEST IN RESEARCH INTO INSECTS**

Saturday, April 24, 2004 1 p.m.

- **Roy Gucciardi - BUTTERFLY CONSERVATORY FOR EDUCATION**

Toronto Entomologist's Association – Student Symposium - Saturday, March 27, 2004

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

Every year on the 4th Saturday in March, the T.E.A. sponsors a Student Symposium. Graduate students or senior undergraduate students are eligible to present either a talk or a poster. Everyone is welcome to attend the symposium.

If you are interested in participating, please e-mail the president of the T.E.A. info@ontarioinsects.org, or Doug Currie dougcc@rom.on.ca, organizer of the symposium, with a provisional title. We will contact you to discuss whether a talk or poster is feasible as we wish that the limited slots for talks be used to cover a broad range of groups and approaches.

Provisional titles will be published in Ontario Insects, the newsjournal of the T.E.A. Final submitted and edited abstracts (250 words) will also be published in Ontario Insects. Longer reports are optional. Posters must be self-standing, without damage to walls, and of a reasonable size (3-4 feet). Talks will be timed for 15 minutes, with 5 minutes being allowed for questions. Abstracts for the talks and posters must be handed in at the symposium (3 copies and diskette).

Ottawa Entomology Club – Monthly Meetings

This is an informal gathering that meets on the 3rd or 4th Thursday of each month (September to April) at 8PM in the K.W. Neatby Bldg. on the Central Experimental Farm. Typically, a visitor or a local insect enthusiast gives a slide show of recent insect work or presents a travelogue from a collecting trip. Notices for these meetings are sent out a week or two in advance, and often are posted on the doors of Carleton University Biology Department professors Drs. J. Yack or S.B. Peck.

Interested entomologists are encouraged to attend. For more information about upcoming meetings, you can contact Dr. Bruce Gill at: gillbd@inspection.gc.ca

The First Ontario Insect Fair – Guelph Arboretum, Guelph, ON – May 1 & 2, 2004

Exhibit and Sales of dead, dried, worldwide insects; entomological equipment; specialist books; entomological information; associations; demonstrations; collectibles.....

Ideal for the experienced and novice enthusiast.

Website: http://www.thornesinsects.com/fair_ad.html

141st Annual Meeting of the ESO - Brock University, St. Catharines, ON - Nov 5-7, 2004

For information, contact Dr. Fiona Hunter at: hunterf@spartan.ac.brocku.ca

MEETINGS: OUTSIDE ONTARIO

54th ESC Annual Meeting

Joint Meeting of the Entomological Society of Canada and the Acadian Entomological Society, 15-18 October 2004, Rodd Charlottetown Hotel, Charlottetown, Prince Edward Island

Meeting Theme: Insects in our Landscape

Website: <http://www.acadianes.org/2004meeting.htm>

www.acadianes.org/2004meeting.htm

ESA Annual Meeting, November 14-17, 2004, Salt Palace Convention Center, Salt Lake City, Utah

Website: http://www.entsoc.org/annual_meeting/2004/ameeting.htm

North Central Branch ESA Annual Meeting, March 28-31, 2004, Fairmont Hotel, Kansas City, Missouri

Website: http://esa.ent.iastate.edu/2004_kansas_city/meeting

esa.ent.iastate.edu/2004_kansas_city/meeting

Eastern Branch ESA Annual Meeting, 7-9

March 2004, OMNI Hotel, New Haven, Connecticut

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

XXII International Congress of Entomology, 15-21 August 2004, Brisbane, Australia

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

Forest Diversity and Resistance to Native and Exotic Pest Insects (IUFRO conference), 10-13 August, 2004, Hanmer Springs, New Zealand

Website: <http://iufro.boku.ac.at/iufro/iufronet/d7/wu70307/nz/>

Tell
Us
About



Entomology in Ontario

Notices of upcoming entomological events, ideas for columns, and articles of interest to ESO members are always welcome. If in doubt, send it.

Send submissions to:

Dana Gagnier,

ESO Newsletter Editor

Agriculture and Agri-Food Canada
G.P.C.R.C.

2585 County Road 20

Harrow, ON

N0R 1G0