



Bulletin

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Société d'entomologie du Canada

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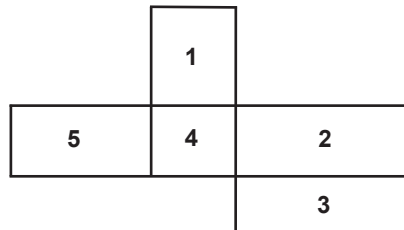
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Up front / Avant-propos	61
Joint annual meeting 2012 / Réunion conjointe annuelle 2012.....	64
The student wing / L'aile étudiante	66
Dear Buggy / Cher Bibitte	70
Special feature / Article spécial:	
Criddle/Vane Homestead: Vandals target historical attraction.....	73
Second addendum for index to biography / Second addendum au index des biographies.....	74
Book reviews / Critiques de livres	78
Announcements / Annonces	85
Society business / Affaires de la Société.....	89
Officers of affiliated Societies / Dirigeants des Sociétés associées	98
The last word / Le dernier mot	100
Governing board / Conseil d'administration	inside back cover

Images

- Sur le dos:** Une mouche Asilidae rarement observée, *Ommatius bromleyi* Pritchard (Diptera: Asilidae), Guadalupe Canyon, Arizona. Photo: S.A. Marshall
- Sous le titre:** Une larve d'oestre humain, *Dermatobia hominis* (Linnaeus, Jr.) (Diptera: Oestridae), excisée de sous la peau de son hôte, Costa Rica. Photo: W.B. Strong
- 1** Un bombyle, *Bombylius aurifer* Osten Sacken (Diptera: Bombyliidae), battant des ailes sur une feuille, Vernon, Colombie-Britannique. Photo: W.B. Strong
- 2** Les coordinateurs du Manuel des Diptères néarctiques en compagnie du diptériste allemand Willi Hennig lors de sa visite à l'Unité Diptères de la Collection nationale canadienne d'insectes (Ottawa) à l'automne 1967. Derrière de gauche à droite: Frank McAlpine, Herb Teskey, Guy Shewell; devant, de gauche à droite: Monty Wood, Dick Vockeroth, Bobbie Peterson, Willi Hennig. Photo: inconnu
- 3** Une mouche Stratiomyidae, *Caloparyphus decemmaculatus* (Osten Sacken) (Diptera: Stratiomyidae), Nouveau-México. Photo: S.A. Marshall
- 4** Une tête de mouche des narcisses, *Merodon equestris* (F.) (Diptera: Syrphidae), une espèce introduite en Amérique de Nord à partir de l'Europe, Vernon, Colombie-Britannique. Photo: W.B. Strong
- 5** Parade/accouplement de mouches à longues pattes, *Dolichopus* Latreille (Diptera: Dolichopodidae), tourbière Copetown, Wentworth Co. Ontario. Photo: S.A. Marshall
- Couverture arrière:** Une mouche Stratiomyidae, *Odontomyia cincta* Olivier (Diptera: Stratiomyidae), près de parc national Elk Island, Alberta. Photo: H.C. Proctor





Sur la pertinence des entomologistes et l'importance du réseautage

Au cours des dernières années, certains insectes ont fait l'objet d'une grande couverture médiatique [ex. dendroctone du pin Ponderosa, abeille (syndrome d'effondrement des colonies), agrile du frêne], attirant l'attention du public sur l'importance et la pertinence du travail que font les entomologistes. Je ne sais pas si ce regain de popularité de notre profession a eu un impact sur les décisions relatives à la rétention de postes en entomologie par le Gouvernement du Canada, mais l'exercice de réaménagement des effectifs entrepris dans la foulée du budget fédéral du 29 mars semble avoir épargné (à ce jour) les postes de la majorité des entomologistes à l'emploi des ministères et agences fédéraux à vocation scientifique, à l'exception de l'Agence de réglementation de la lutte antiparasitaire (les chiffres exacts n'étaient pas connus au moment d'écrire cette chronique). Ceci étant dit, bien que la plupart des chercheurs-entomologistes et leur personnel à Agriculture et Agroalimentaire Canada, au Service canadien des forêts et à l'Agence canadienne d'inspection des aliments seront encore en poste au terme de ce processus, certains verront le financement de leur recherche réduit, ce qui pourrait avoir un impact sur diverses activités, dont le réseautage avec les collègues.

Le réseautage est un élément essentiel de notre travail et les nouvelles technologies (ex. Skype, vidéo-conférences), bien qu'elles réduisent le besoin d'interactions face-à-face avec nos pairs, ne constitueront jamais un substitut complet aux conférences et ateliers scientifiques, lesquels offrent une opportunité inégalée pour la discussion et l'échange d'idées. De plus, les sociétés scientifiques comme la SEC ont besoin de ces rencontres

On the relevance of entomologists and the importance of networking

In recent years, some insect-related issues have received ample media coverage [e.g., mountain pine beetle, honey bee (colony collapse disorder), emerald ash borer], drawing public attention to the importance and relevance of the work entomologists do. Whether this has had an impact on decisions regarding the maintenance of entomology positions in the Canadian Government is unclear, but the work force adjustment exercise that was initiated after the March 29 federal budget seems to have spared (so far) the jobs of most entomologists working in federal science-based departments and agencies, with the exception of those employed by the Pest Management Regulatory Agency (exact figures not available at the time of writing this column). This being said, although most research entomologists and their staffs at Agriculture and Agri-Food Canada, the Canadian Forest Service, and the

Canadian Food Inspection Agency will still be reporting to work at the end of this process, some will see their funding reduced, which could have an impact on various research activities, including networking with colleagues.

Networking is an essential ingredient of our work, and new technologies (e.g., Skype, video-conference), though they reduce the need for face-to-face interactions with our peers, will never offer a complete substitute for scientific conferences and workshops, which provide an unmatched opportunity for discussion and exchange of ideas. In addition, scientific societies such as the ESC need this annual gathering to effectively deal with society business, to give a chance to new members – particularly students – to make themselves known to the rest of the community, and to promote cohesion and positive interactions within our professional group. For these reasons, I invite ESC members to make attendance of the upcoming Joint Annual Meeting (JAM) in Edmonton a priority. As I pointed out in the March issue of the Bulletin, the Entomological Society of Alberta is sparing no effort to make this event a memorable and financially accessible one. For example, registration fees have been kept as low as possible and very attractive room rates have been negotiated with the Coast Edmonton Plaza. When you read this column, the JAM website and the registration/abstract submission pages (<http://www.esc-sec.ca/ee/index.php/jam-registration>) will have gone live. I encourage you very strongly to register early, as this will help the Local Organizing Committee put the finishing touch to the program. Another major scientific gathering, the International Congress of Entomology, will take place this August in Daegu, South Korea. Here, again, the organizers have put together an exceptional program, to which many of our Canadian colleagues and ESC members will be contributing. This is certainly an event worth attending!

In the March issue of the Bulletin I indicated that the ESC was planning to launch some new web 2.0 features. Well, it's now official: our Society will have its own blog,

annuelles pour la gestion efficace des affaires de la Société, pour donner la chance aux nouveaux membres – en particulier les étudiants – de se faire connaître par le reste de la communauté et pour promouvoir la cohésion et les interactions positives au sein de notre groupe professionnel. Pour toutes ces raisons, j'invite les membres de la SEC à faire de leur participation à la prochaine réunion annuelle conjointe (RAC), à Edmonton, une priorité. Tel que souligné dans ma chronique du mois de mars, la Société d'entomologie d'Alberta ne ménage aucun effort pour faire de cette réunion un événement à la fois mémorable et financièrement accessible. Par exemple, les frais d'inscription ont été fixés au niveau le plus bas possible et un tarif des plus attrayants a été négocié pour les chambres au Coast Edmonton Plaza. Au moment de lire ces lignes, le site web du RAC ainsi que la page dédiée à l'inscription et la présentation des résumés (<http://www.esc-sec.ca/ee/index.php/jam-registration>) seront en ligne. Je vous encourage très vivement à vous inscrire tôt, ce qui facilitera la tâche du comité organisateur qui devra bientôt apporter la touche finale à son programme. Une autre importante rencontre scientifique, le Congrès international d'entomologie, aura lieu en août à Daegu, en Corée du Sud. Ici encore, les organisateurs ont préparé un programme exceptionnel, auquel plusieurs collègues canadiens et membres de la SEC contribueront. Nul doute qu'il s'agit d'un événement auquel il vaudra la peine de participer.

Dans le numéro de mars du Bulletin, j'ai glissé un mot sur les intentions de la SEC de s'aventurer un peu plus loin sur la voie du Web 2.0. Et bien, c'est maintenant officiel : notre Société aura son blogue bien à elle, le « ESC-Blog », une initiative du Rédacteur scientifique de notre revue, Chris Buddle. Après avoir lancé un appel de candidatures pour le poste de blogueur, il me fait plaisir de vous annoncer que nous avons recruté deux administrateurs de blogue dynamiques et compétents, soit Morgan Jackson (Université de Guelph) et Crystal Ernst (Université McGill), lesquels

provisionally called “ESCBlog”, an initiative of our journal’s Scientific Editor, Chris Buddle. Following the call for applications for the position of ESC Blogger, I’m pleased to announce that we have selected two very dynamic and competent blog administrators, Morgan Jackson (University of Guelph) and Crystal Ernst (McGill University), who have already worked hard to draft the guidelines for authors and to solicit a first series of posts from various ESC representatives. Please take a look at the general call for posts on the homepage of the ESC website. Crystal and Morgan will also help promote the blog and the Society through other social media such as Facebook, Google+ and Twitter. “ESCBlog” is planned to go live on June 1.


After the temperature roller-coaster we’ve experienced this spring, I hope the good weather has now settled in your part of the country. Have a good field season and a delightful summer!






se sont rapidement mis au travail pour rédiger les instructions aux auteurs et pour solliciter du contenu auprès de divers représentants de la SEC. Je vous invite à jeter un coup d’œil à l’appel général pour du contenu sur la page d’accueil du site web de la SEC. Crystal et Morgan feront aussi la promotion du blogue et de la Société via d’autres média sociaux tels que Facebook, Google+ et Twitter. « ESC-Blog » devrait être mis en service le 1^{er} juin.

Après les températures en dents de scie que nous avons connues ce printemps, j’espère que le beau temps s’est maintenant bien installé dans votre coin de pays. Je souhaite à toutes et à tous une bonne saison de terrain ainsi qu’un été des plus agréables.

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Joint annual meeting / Réunion annuelle conjointe

JOINT ANNUAL MEETING OF THE ENTOMOLOGICAL SOCIETY OF CANADA AND THE ENTOMOLOGICAL SOCIETY OF ALBERTA The Coast Edmonton Plaza Hotel, Edmonton, Alberta Sunday 4 November – Wednesday 7 November 2012



The Entomological Society of Alberta invites you to the 2012 Joint Annual Meeting of the Entomological Society of Canada and the Entomological Society of Alberta, from 4-7 November 2012, with the theme of **Arthropod Biodiversity**.

Online registration site: <http://www.esc-sec.ca/ee/index.php/jam-registration>

Our venue is the Coast Edmonton Plaza Hotel, 10155 105th Street, Edmonton, AB T5J 1E2 (see http://www.coasthotels.com/hotels/canada/alberta/edmonton/coast_edmonton/overview). Room rates start at \$114 per night plus taxes. Reserve hotel rooms online at: <http://www.coast-promos.com/996> or by phone: 1-800-663-1144. Be sure to quote the **Entomology Society JAM group code: CEP-GFC9107**.

Program Highlights:

Planned Symposia:

Plenary Symposium: Arthropod Biodiversity
Insects on the Internet
Insect Behaviour and Biodiversity
Spruce Budworm Genomics and Diversity
Agricultural Entomology
Biological Survey of Canada Symposium
Graduate Student Symposium

Heritage Lecture

Student paper and poster competitions
Regular poster and oral presentation sessions
Arthropod photo contest

After-banquet jam session - bring your musical instrument and join in!

Contact Julian Dupuis for details: jrdupuis@ualberta.ca

Pre-conference workshop (Sunday, 4 November 2012, morning)

Perspectives on the Publication Process

(Note this workshop is free to ESC/ESAB members but requires advance registration)

See separate announcement on page 86.

Associated event (Saturday, 3 November 2012)

University of Alberta Department of Entomology Alumni Reunion

(Note this is a separate event that requires separate registration)

Contact Doug Craig for details: dcraig@ualberta.ca

Check the ESAB webpage (www.entsocalberta.ca/JAM2012/) for updated information on symposia and other events and the call for papers.

For scientific program queries, contact Maya Evenden: mevenden@ualberta.ca

For registration queries, contact Heather Proctor: hproctor@ualberta.ca

For all other queries contact JAM committee chair Greg Pohl: gpohl@nrca.gc.ca

RÉUNION CONJOINTE ANNUELLE DE LA SOCIÉTÉ D'ENTOMOLOGIE DU CANADA ET DE LA SOCIÉTÉ D'ENTOMOLOGIE DE L'ALBERTA

Hôtel Coast Edmonton Plaza, Edmonton, Alberta
Dimanche 4 novembre – mercredi 7 novembre 2012



Edmonton 2012
esc esab

La Société d'entomologie de l'Alberta vous invite à la réunion conjointe annuelle 2012 de la Société d'entomologie du Canada et de la Société d'entomologie de l'Alberta, du 4 au 7 novembre 2012, sur le thème de la **Biodiversité des arthropodes**.

Inscriptions en ligne : <http://www.esc-sec.ca/ee/index.php/jam-registratiion/fr/>

L'événement se tiendra à l'hôtel Coast Edmonton Plaza, au 10155 105^e rue à Edmonton, AB, T5J

1E2 (voir http://www.coasthotels.com/hotels/canada/alberta/edmonton/coast_edmonton/overview).

Le tarif des chambres débute à 114\$ plus taxes par nuit. Réservez vos chambres en ligne sur : <http://www.coastpromos.com/996> ou par téléphone: 1-800-663-1144. Assurez-vous de mentionner le **code de groupe de la réunion conjointe de la Société d'entomologie : CEP-GFC9107**.

Points saillants du programme :

Symposiums planifiés:

Session plénière : Biodiversité des arthropodes

Les insectes sur Internet

Comportement et biodiversité des insectes

Génomique et diversité de la tordeuse des

bourgeons de l'épinette

Entomologie agricole

Symposium de la Commission biologique
du Canada

Symposium des étudiants gradués

Allocation du patrimoine

*Compétition étudiante pour les oraux
et affiches*

*Sessions régulières pour les oraux et
affiches*

Concours de photos d'arthropodes

Session de "jam" post-banquet – apportez vos instruments et participez!

Contactez Julian Dupuis pour les détails : jrdupuis@ualberta.ca

Atelier pré-conférence (dimanche 4 novembre 2012, matin)

Perspectives sur le processus de publication

(Notez que cet atelier est gratuit pour les membres de la SEC/SEAB, mais nécessite une inscription préalable)

Voir annonce séparée en page 87.

Évènement associé (samedi 3 novembre 2012)

Retrouvailles des anciens du département d'entomologie de l'Université de l'Alberta

(Notez que cet évènement distinct demande une inscription distincte)

Contactez Doug Craig pour les détails: dcraig@ualberta.ca

Consultez le site Internet de la SEAB (<http://www.entsocalberta.ca/JAM2012/indexf.html>) pour des informations à jour sur les symposiums et autres évènements, et pour l'appel à soumission.

Pour des questions sur le programme scientifique, contactez Maya Evenden : mevenden@ualberta.ca

Pour des questions sur les inscriptions, contactez Heather Proctor : hproctor@ualberta.ca

Pour toute autre question, contactez le président du comité de la réunion conjointe annuelle Greg Pohl : gpohl@nrca.gc.ca

The student wing / L'aile étudiante

Chandra Moffat



I'm all about blogs these days, and not just any blogs, but science blogs. I've been reading (more than) my fair share of them lately and find they are a much more productive way to spend my web surfing time, and that I'm really learning a lot from my perusing. I started by finding a cool blog post about rapid evolution of *Myzus persicae* by University of Toronto (Mississauga) post-doctoral fellow Martin Turcotte, at <http://ecoevoevoeco.blogspot.ca/>. I stumbled upon Martin's post because it was picked up by the 44th *Carnival of Evolution*, which is a blog of all the best evolutionary biology blog posts of the month, hosted by a different blog each month – how cool is that! The 47th *Carnival of Evolution* picks up on a really great post all about evolution, taxonomy and insects from one of my most favorite blogs, *Bug Girl's Blog* at <http://membracid.wordpress.com/>, written by an entomology professor turned .com designer/forensic consultant. The post of *Bug Girl's* picked up by the 47th *Carnival* is really too good to be true – I won't steal the punch line, but it is titled *Cochineal Taxonomy Fails* and it is really worth a read, so check it out at <http://membracid.wordpress.com/2012/04/22/cochineal-taxonomy-fails/>.

This leads me to another blog destined

Je suis complètement dans les blogues ces temps-ci, et pas n'importe quels blogues, mais les blogues scientifiques. J'ai lu (plus que) ma juste part de blogues récemment, et découvert qu'il y avait des façons plus productives que d'autres de passer mon temps sur Internet, et que j'apprenais beaucoup de mes lectures attentives. J'ai commencé par trouver un billet de blogue vraiment cool sur l'évolution rapide de *Myzus persicae* par le stagiaire postdoctoral Martin Turcotte de l'Université de Toronto (Mississauga) sur <http://ecoevoevoeco.blogspot.ca/>. Je suis tombée sur le billet de Martin parce que j'ai été happée par le 44th *Carnival of Evolution*, un blogue de tous les meilleurs billets sur la biologie évolutive du mois, hébergé par un blogue différent à chaque mois – trippant! Le 47th *Carnival of Evolution* reprend des billets vraiment géniaux sur l'évolution, la taxonomie et les insectes de l'un de mes blogues favoris, *Bug Girl's Blog* sur <http://membracid.wordpress.com/>, écrit par un professeur en entomologie devenu designer web/consultante forensique. Le billet de *Bug Girl's* repris par 47th *Carnival of Evolution* est trop beau pour être vrai – je ne volerai pas le punch, mais il s'intitule *Cochineal Taxonomy Fails* et vaut vraiment la peine d'être lu, alors lisez-le sur <http://membracid.wordpress.com/2012/04/22/cochineal-taxonomy-fails/>.

Ceci me conduit à un autre blogue destiné à de grandes choses, le *Blogue de la Société d'entomologie du Canada*. Présentement (au moment où j'écris ces lignes) en développement, avec de nombreux entomologistes brillants de notre société, je suis certaine que les billets me feront revenir pour en avoir plus. Je sais que les administrateurs du *Blogue de la SEC*, Crystal et Morgan, seront à la recherche de contenu, alors si vous êtes intéressés à contribuer, écrivez-leur à EntSocCanada@gmail.com. Je suis impatiente d'ajouter ce blogue à ma liste! Sur une note personnelle, je traverse le pays pour débiter mon doctorat avec Stephen Heard à l'Université du Nou-

for greatness, the *Entomological Society of Canada Blog*. While (at the time of writing) still in development, with so many clever entomologists in our society, I'm sure the posts will keep me coming back for more. I know the *ESC Blog* administrators Crystal and Morgan will be looking for lots of content, so if you are interested in contributing, e-mail them at EntSocCanada@gmail.com. I can't wait to add this blog to my list! On a personal note, I'm moving across the country to begin my PhD with Stephen Heard at the University of New Brunswick in September, so I will soon be writing from the other side of the country. I'm excited for the road trip – so if you have somewhere for me to crash between Kelowna and Fredericton – let me know! If not, I hope to see you in November at the JAM in Edmonton.

Joint Annual Meeting 2012

Summer can be super busy for students, but autumn and the Joint Annual Meeting are fast approaching. This year's meeting will be held in Edmonton from 4 to 7 November 2012. All the information about the meeting can be found at <http://www.entsocalberta.ca/JAM2012/> so I encourage you to check out the site early and often. Mark your calendars now, since 31 July 2012 is a very important date: it is the application deadline for the Ed Becker Conference Travel Award, the abstract submission deadline for the President's Prize Competitions, and the application/abstract submission deadline for the Graduate Student Symposium (GSS). The theme of the GSS this year is Arthropod Biodiversity, so students are encouraged to present their work within this broad context, even if your specific topic does not directly relate. Please see the March 2012 *Bulletin* or the JAM homepage (above) for more details.

If you are interested in finding another student to share a hotel room with at JAM 2012, the ESC Student Affairs Committee is organizing a roommate registry. Just e-mail your name and dates of stay to escjam2012roommates@gmail.com and we will do our best to match you with a roommate.

veau-Brunswick en septembre, alors j'écrirai bientôt à partir de l'autre côté du pays. Je suis excitée à l'idée du voyage en voiture – alors si vous avez un endroit où je peux dormir entre Kelowna et Fredericton, faites-le moi savoir! Sinon, j'espère vous voir en novembre à la réunion conjointe annuelle à Edmonton.

Réunion conjointe annuelle 2012

L'été peut être une période très occupée pour les étudiants, mais l'automne et la réunion conjointe annuelle arrivent vite. La réunion de cette année se tiendra à Edmonton du 4 au 7 novembre 2012. Toutes les informations concernant la réunion se trouvent sur <http://www.entsocalberta.ca/JAM2012/> alors je vous encourage à consulter le site tôt, et souvent. Marquez-le à votre calendrier dès maintenant, puisque le 31 juillet 2012 est une date très importante : il s'agit de la date limite pour les applications pour la bourse Ed Becker pour la réunion annuelle, pour les soumissions des résumés pour le prix du président, ainsi que pour l'application et la soumission des résumés pour le symposium des étudiants gradués. Le thème de cette année pour le symposium des étudiants gradués est la biodiversité des arthropodes, alors les étudiants sont encouragés à présenter leurs travaux à l'intérieur de ce vaste contexte, même si votre sujet précis n'y est pas directement lié. Consultez le *Bulletin* de mars 2012 ou la page d'accueil de la réunion conjointe annuelle (plus haut) pour plus de détails.

Si vous êtes intéressés à trouver un autre étudiant pour partager une chambre d'hôtel lors de la réunion 2012, le comité des affaires étudiantes organise un registre de colocs. Envoyez vos nom, courriel et dates de séjour à escjam2012roommates@gmail.com et nous ferons de notre mieux pour vous trouver quelqu'un avec qui partager la chambre.

Dons pour les enchères silencieuses recherchés!

Le comité des affaires étudiantes organise des enchères silencieuses qui se tiendront durant la réunion conjointe annuelle. Tous les fonds amassés par les enchères silencieuses

Silent Auction Donations Needed!

The Student Affairs Committee is organizing a Silent Auction to be held during the Joint Annual Meeting. All funds raised through the Silent Auction are donated to the ESC Student Scholarships and Awards fund. If you or someone you know is cleaning out the office and looking to get rid of entomology related books or other items (trinkets, artwork, jewellery, field gear, t-shirts, etc.), the Silent Auction would love to have them. Please bring them with you to the meeting and drop them off at the Silent Auction tables (near the Registration Desk). For large or heavier items, or if you would like to ship your donations in advance (please note, shipping charges will not be reimbursed), please send them to:

Attention: Boyd Mori
Department of Biological Sciences
CW 405 Biological Sciences Building
University of Alberta
Edmonton, AB, T6G 2E9

The Silent Auction is a great opportunity to find really neat books and things at excellent prices and to show your support for student members of the ESC. So, be sure to come by and browse the Silent Auction tables - you never know what you might find!

ESC Student Facebook Group

The ESC Student Facebook Group page is a great way for entomology students from across the country (and the world) to communicate and stay in touch. It offers students an opportunity to ask other entomology students for advice or suggestions for all things entomological, post jobs, events, and items of curiosity in a casual atmosphere. As JAM 2012 approaches, hopefully it can be used to help students organize rides and cut some costs associated with travelling to the meeting.

Thesis Roundup

As always, we like to know when a student defends their thesis. If you (or anyone you know of) have defended your thesis recently, please send me your name, degree and date achieved, thesis title, supervisor's name, uni-

seront versés aux fonds pour les prix et bourses étudiants de la SEC. Si vous, ou quelqu'un de votre entourage fait un ménage dans son bureau et essaie de se débarrasser de livres ou autres objets liés à l'entomologie (bibelots, œuvres d'art, bijoux, équipement de terrain, t-shirts, etc.), les enchères silencieuses adoreraient les avoir. Merci de les apporter avec vous à la réunion et de les déposer aux tables des enchères silencieuses (près du bureau des inscriptions). Pour des objets plus gros ou plus lourds, ou si vous voulez envoyer vos dons à l'avance (veuillez noter que les frais de transport ne seront pas remboursés), merci de les envoyer à :

Attention: Boyd Mori
Department of Biological Sciences
CW 405 Biological Sciences Building
University of Alberta
Edmonton, AB, T6G 2E9

Les enchères silencieuses sont une belle opportunité pour trouver de beaux livres et objets à d'excellents prix et de montrer votre soutien aux membres étudiants de la SEC. Alors assurez-vous de passer par les tables des enchères silencieuses – vous ne savez pas ce que vous pourrez y trouver!

Groupe Facebook des étudiants de la SEC

Le groupe Facebook des étudiants de la SEC est une excellente façon pour les entomologistes étudiants de tout le pays (et du monde) de communiquer et rester en contact. Il offre aux étudiants une opportunité de demander des conseils ou des suggestions aux autres entomologistes étudiants, d'afficher des emplois, des événements, ou même des anecdotes dans une atmosphère détendue. Alors que la réunion annuelle 2012 approche, il pourra être utilisé par les étudiants pour organiser du covoiturage et réduire les coûts associés au déplacement vers la réunion.

Foisonnement de thèses

Comme toujours, nous aimerions savoir quand un étudiant soutient sa thèse. Si vous

versity and e-mail address to me at students@esc-sec.ca.

Other Student-related Matters

I encourage you to check out the Student Affairs Section of the ESC website, where you can find updates, awards, the Directory of Entomology in Canada (a great resource if you are looking for a graduate supervisor) and newly updated job and graduate school opportunities. If you know of any job, scholarship/award, or graduate school positions, please pass those along too. If there is anything you want to see here in the Student Wing, in the Student Affairs Section of the website, or that you want to discuss with me, please contact me anytime. I look forward to hearing from you and I wish you all the best of luck with your studies and research this summer!

Until September,
~Chandra
students@esc-sec.ca

(ou quelqu'un que vous connaissez) a soutenu sa thèse récemment, merci de m'envoyer vos nom, diplôme et date d'obtention, titre de la thèse, nom du directeur, université et courriel à students@esc-sec.ca.

Autres sujets pour les étudiants

Je vous encourage à consulter la section des affaires étudiantes du site Internet de la SEC, où vous pourrez trouver des mises à jour, les prix, le répertoire des formations entomologiques au Canada (une ressource fantastique si vous cherchez un directeur d'études) et des offres d'emplois et opportunités de recherche. Si vous êtes au courant d'un emploi, d'une bourse, d'un prix, ou d'offres d'études, merci de les communiquer. S'il y a quoi que ce soit que vous désirez voir dans l'Aile étudiante, dans la section des affaires étudiantes du site Internet, ou que vous souhaitez discuter avec moi, vous pouvez me contacter en tout temps. Je suis impatiente d'avoir de vos nouvelles et je vous souhaite la meilleure des chances avec vos études et votre recherche cet été!

D'ici septembre,
~Chandra
students@esc-sec.ca



A. Leroux

Marbled white (*Melanargia galathea*)



I've got too many things on the go and I can't seem to keep on track. My field season starts next week, but I haven't even started planning for it yet. I've missed two due dates in the last month, plus I think I may have stood up my boyfriend last night. I would call him to apologize, but I forgot to pay my phone bill last month and they cut me off. Help me! How do I manage my time?

Signed 'Short on Time in Terrace'

Thanks for the 'timely' question. Hopefully you will have managed to contact your boyfriend before this is published! Teaching yourself how to manage your time is an important skill to develop while you're young. Speaking from experience, I can assure you that things only get worse as you progress through your career. Your time is precious.

Our tasks, and the time it takes to do them, can be organized on different temporal scales. Since entomologists are already pretty good at thinking about the world at different scales, it should be a logical step for you to think about your time in this way. For example, you have to finish your thesis in the next 5 years; you have to prepare and pass your qualification exams next year, your field season starts in a month, your project proposal is due next week, you are teaching tomorrow, and you have a dental appointment in an hour. Obviously, how you manage these different commitments varies depending on their immediacy. To be efficient, you must manage your time over all temporal scales. That way, things won't sneak up on you.

Before I continue, let me acknowledge that while the following suggestions work for me, they might not work for everyone. There are many books and websites that provide advice on how to manage your time. If you find that my advice does not appeal to you, but you still want to improve your time management, then use this experience as motivation to find your own method. Regardless, find one that works for you and stick with it.

First, get a calendar. I prefer Google's calendar tool, but anything - even paper - will do. Just be sure you have your calendar accessible when you need it. Second, use your calendar religiously. Record every event, appointment, due date, and deadline as soon as possible. This includes the usual things like dental appointments, the seminar next week, and your committee meetings. This also could mean things that don't have a date attached to them. For example, you promised to contact a colleague in the fall about making plans for a symposium. Add a note in your calendar on the 1st of October to remind yourself to send that e-mail. If you have not contacted your colleague when your calendar flips over to October that little note will be there to pester you for the rest of the month. Your calendar should be a written record of your life.

Chris MacQuarrie is a research scientist with the Canadian Forest Service in Sault Ste. Marie where he studies the management of native and invasive insects. Currently, he's beginning to realize that all time management tactics go out the window when you have a toddler in the house. Dear Buggy is always looking for suggestions or guest contributors. Have an idea? Send it to: cjkmacquarrie@gmail.com or post it in the Facebook student group. Also look for Dear Buggy on the ESC blog, launching sometime this spring!

Third, review your calendar regularly. Allen (2001) advises that you do what he calls a ‘weekly review’ (really meant for all the aspects of your job, not just your calendar). I like this idea and I’ve found it helpful with managing my own time. What follows was inspired by Allen’s method, but with some of my own modifications.

When you review your calendar, look at each upcoming event and ask ‘What is the next action I need to do to get this done?’. For example, if you plan to have a qualification exam in the fall, you might (in the spring) decide that you need to schedule a committee meeting to pick a day for your exam. This means that sometime next week you need to e-mail your committee to request a meeting. Put this in your calendar. For the more immediate issue of the upcoming field season you may have to apply for a permit. You know from experience that filling out the permit application will take 3 hours, so block off an afternoon next week to deal with that task. Since you have your regular teaching assignment on Tuesdays, set aside an hour each Monday night to prepare. And so you proceed through all your activities listed in your calendar for the next year or so. The idea is to stay on top of the things in your life that require your attention (items closer in time may require more frequent attention, items that are a year away may only need to be reviewed once a month).

I am sure that you will find that most of your stress has been caused by an impending sense of doom from looming deadlines, not the activities themselves. By managing the mundane aspects of your calendar, you can free yourself to focus on the really important things. Also, don’t forget to include time for fun. Research and studying can be stressful, so make sure you leave time for your family, friends, and your favorite activities. So now that you’re on the road to managing your calendar, we should address how you manage your time when you’re working. Specifically, I’m talking about limiting distractions and planning your day.

Recently, I’ve been reading work that came out of the Canadian Forest Service (my employer) in the 1920s and 1930s. One thing that became quickly apparent was that many of my predecessors were incredibly productive, sometimes producing four or five papers a year. Remember, this was in a time when papers were produced by typewriter, there were no computers to analyze data or graphics programs to produce figures and all correspondence was via mail. With all the modern tools I have at my fingertips, I wish I could be so productive. But then it also occurred to me that they were working at a time when there were fewer distractions in the workplace: no Internet, no e-mail, no Facebook or Twitter.

There is no real trick to managing the distraction from the internet other than willpower. Unplugging the computer from the network is a solution if you’re weak. But often that’s not practical if you’re trying to look for papers or using online resources. Lifehacker (www.lifehacker.com) - a blog about ways to manage your life- suggests the ‘egg timer’ method. Get yourself an egg timer and set it for the block of time you want to devote to a task (something reasonable, say 50 minutes). When the timer goes off you ‘reward’ yourself with a Facebook hit for 5 or 10 minutes (also set the timer!). You then reset the timer and get back to work.

If your reserves of willpower are low, technology can help. There are plug-ins (bits of software) for Firefox and Google Chrome that will block distracting sites during parts of the day when you should be working. When I was writing my thesis, I used one called Leechblock (www.proginosko.com/leechblock.html). It, and the egg-timer method, worked for me, especially when I was in the final throes of the writing process. I will still occasionally break out the egg timer when I have a particular task I really don’t want to do (TPS reports, anyone?).

I can’t talk about distractions without mentioning other people. A noisy office or talkative lab mate can lead to no end of frustration when you’re trying to get work done. Headphones can help muffle the noise (or block it completely if you can afford one of those noise-cancelling

sets). Headphones can also send a subtle signal that you don't want to be bothered. If you share an office, it may be a good idea to agree on a quiet period when no one holds office hours and when conversations are kept to a minimum. When I was a graduate student, the policy was that the shared office space was for working and the lab was for talking. If you are in a large group with lots of space, then this kind of arrangement might work well for you. If none of these options fit your situation, you could consider shifting your work day to times when it's quiet (early mornings are often peaceful), or perhaps do your writing from home or your reading in a coffee shop where there are fewer distractions (and perhaps a more comfy chair!). With your distractions managed, we now just have to deal with how you schedule your day. By now, you may have realized that you are better at certain tasks at specific times of the day. For instance, I've found that I cannot write in the morning. The ideas don't flow, and my prose is even more stilted than normal. I am able to analyze data, write code, and build figures (oddly, I can edit in the mornings, even though I can't write). In practical terms my particular neurological constraint means that I write my columns at night but I edit them in the morning.

I struggled with this temporal constraint for years until a supervisor gave me a bit of advice. He said, "Figure out what time of day you write best and write then. Leave the rest of the day for other tasks." Since writing is a major component of research, I'd advise the same. The same goes for the other parts of your job. If you identify beetles better in the morning, do it then. If you are a code-writing ninja at 2 am, then set the alarm and put on the coffee pot. My point is that there is no reason to set aside 4 hours for writing in the morning if you are a zombie at the keyboard until 1 pm. Do something else - read papers, respond to e-mail, hold office hours - but when 1 pm rolls around then it is time to write. Close the office door or put on your headphones, shut down the internet, crack your knuckles and get to work. If you can commit to doing this, you'll soon find it becomes a habit, and like all habits, you'll find that it is not one you are likely to break.

Cheers and good luck!

Buggy.

Reference

Allen, D. 2001. *Getting Things Done*. Penguin Books, Toronto



Criddle/Vane Homestead: Vandals target historical attraction

Vandals continue to destroy a Manitoba gem southeast of Brandon. The Criddle/Vane Homestead committee has worked tirelessly to protect the site from the elements; they never thought their biggest foe would be the work of some drunken vandals.

“We’re quite proud of the place, but obviously there is someone who isn’t,” said Charlotte Oleson, who is the chair of the committee. “Most of the work has been done by volunteers, which is what makes it so aggravating. That people don’t respect the work.” The committee has completed several projects on two buildings on the property, but at times it feels as if they are taking two steps forward and one step backward. “It takes our volunteers’ time away when they have to do these repairs when they could be doing something else,” Oleson said.

One of the members of the committee that has been instrumental in protecting the heritage site is Paul Criddle. His uncle, Norman Criddle, was a pioneer in the field of entomology. “(Norman) traded insects with people from all over the world,” Criddle said. “There was always a crowd out there on Sunday, because people always went out to see the ‘Bug House.’”

The homestead has experienced some vandalism in past summers, but this is the first winter Criddle can remember having so much damage done to the property. “I was really upset when I went out there and saw what had happened. They like to break things,” Criddle said. “They broke a couple of windows in the first lab. They broke a chair. They’ve kicked plaster off the wall and punched holes in the walls. There were eight bedrooms upstairs with doors on them and now I think there are only three doors that are whole. They just demolish it slowly.” In its heyday, the Criddle/Vane homestead featured a golf course, tennis courts and pasture. The family became well known in the area for their ability to host social functions, but now broken glass and beer cans are the only remnants left behind of a different kind of gathering.

The first lab, which was built in 1917 for a cost of \$50, is the first entomological field station in Western Canada. The price to build the lab pales in comparison to today’s price to restore it — a price that is compounded every time a vandal breaks something. “Now we have more work to do and we don’t have the money to do the work we want,” Criddle said.



Smashed walls are visible in one of the rooms at the Criddle/Vane Homestead .

This article appeared in the on-line version of the Brandon Sun on 27 February 2012. We thank the newspaper for granting us permission to reproduce it here. It was only last year that we published an article by Joe Shorthouse documenting the extensive renovations that had taken place at the Criddle/Vane Homestead at Aweme (Bulletin 43[1]: 23-26).

SECOND ADDENDUM FOR INDEX TO BIOGRAPHY OF ENTOMOLOGISTS IN CANADIAN PUBLICATIONS, 2006-2010

SECOND ADDENDUM À L'INDEX DES BIOGRAPHIES DES ENTOMOLOGISTES DANS LES PUBLICATIONS CANADIENNES, 2006-2010

Cedric Gillott, Bob Lamb & Jean-Pierre Bourassa

The concept of a single source that provided links to biographical information of entomologists in Canadian publications came to fruition in March 2003 with the appearance of the Index to Biography of Entomologists in Canadian Publications (*Bull. Ent. Soc. Can.* **35**(1):17-48). The authors (D.C. Eidt, P.W. Riegert, and E.C. Becker) were strongly interested in biographical information on their fellow entomologists and recognized the value of bringing together such biographical details as an important component of the Entomological Society of Canada's heritage. The Index covered the period from 1869, when *The Canadian Entomologist* and the *Proceedings of the Entomological Society of Ontario* began publication, to the end of 2000.

The first Addendum to the Index, covering 2001-2005, inclusive, was published in the *Bulletin* (**39**[1]: 45-49) in March 2007. Its preparation was much simpler and more straightforward than that of the original contribution, not only because of the short time period covered but also because almost all the Canadian periodicals searched for entomological biographies had become available on the internet. Very rarely, biographical information was found *only* on a society's web page and did not appear in printed form.

Le concept d'une seule source fournissant des liens vers les informations biographiques d'entomologistes dans les publications canadiennes a été concrétisé en mars 2003 avec l'apparition de l'Index des biographies des entomologistes dans les publications canadiennes (*Bull. Ent. Soc. Can.* **35**(1):17-48). Les auteurs (D.C. Eidt, P.W. Riegert, et E.C. Becker) étaient extrêmement intéressés par les informations biographiques sur leurs collègues entomologistes et ont reconnu la valeur d'assembler de tels détails biographiques comme une composante importante de l'héritage de la Société d'entomologie du Canada. L'index couvrait la période débutant en 1869, lorsque *The Canadian Entomologist* et les *Proceedings of the Entomological Society of Ontario* ont débuté leur publication, jusqu'à la fin de 2000.

Le premier addendum à l'index, couvrant la période de 2001-2005, inclusivement, a été publié dans le *Bulletin* (**39**[1]: 45-49) en mars 2007. Sa préparation a été beaucoup plus simple et plus directe que celle de la contribution originale, pas seulement à cause de la courte période couverte, mais également parce que la presque totalité des revues canadiennes dans lesquelles des informations biographiques étaient recherchées étaient maintenant disponibles sur Internet. Les informations biographiques n'étaient que très rarement trouvées seulement sur le site Internet d'une société, n'apparaissant pas en format imprimé.

Sources, with abbreviations used / Sources, avec les abréviations utilisées¹:

An *Antennae* (also available on line at/aussi disponible en ligne sur <http://seq.qc.ca/antennae/antennae.asp>)

Bo *Boreus* (also available on-line at/aussi disponible en ligne sur

<http://blogs.sfu.ca/groups/esbc/publications/boreus-newsletter/>)

Bu *Bulletin of the Entomological Society of Canada* (also available on line at/aussi disponible en ligne sur <http://www.esc-sec.ca/bulletin.html>)

CE *The Canadian Entomologist*

Mn *Newsletter of the Entomological Society of Manitoba* (also available on line at/aussi disponible en ligne sur <http://home.cc.umanitoba.ca/~fieldspg/news.html>)

On *Newsletter of the Entomological Society of Ontario* (also available on line at/aussi disponible en ligne sur <http://www.entsocont.ca/index.php#>)

Sn *Newsletter of the Entomological Society of Saskatchewan*² (also available on line at/aussi disponible en ligne sur <http://www.entsocsask.ca/>)

¹The following sources, used in preparation of the Index or the first Addendum, contain no biographic information for the period 2006-2010: Acadian Entomological Society web site; Entomological Society of Alberta web site; *Journal of the Entomological Society of British Columbia*; *Proceedings of the Acadian Entomological Society*; *Proceedings of the Entomological Society of Alberta*; *Proceedings of the Entomological Society of Manitoba*; *Proceedings of the Entomological Society of Ontario* (became the *Journal of the Entomological Society of Ontario* in 2002); *Proceedings of the Entomological Society of Saskatchewan*.

Other sources cited in the Index but not included here have ceased publication.

²Cited as the *Bulletin of the Entomological Society of Saskatchewan* in the Index.

¹Les sources suivantes, utilisées dans la préparation de l'Index ou le premier addendum, ne contiennent pas d'informations biographiques pour la période 2006-2010: le site Internet de la Société d'entomologie acadienne; le site Internet de la Société d'entomologie d'Alberta; *Journal of the Entomological Society of British Columbia*; *Proceedings of the Acadian Entomological Society*; *Proceedings of the Entomological Society of Alberta*; *Proceedings of the Entomological Society of Manitoba*; *Proceedings of the Entomological Society of Ontario* (devenu le *Journal of the Entomological Society of Ontario* en 2002); *Proceedings of the Entomological Society of Saskatchewan*.

Autres sources citées dans l'Index, mais non retenues ici puisque leur publication a cessé.

²Cité comme *Bulletin of the Entomological Society of Saskatchewan* dans l'Index.

Index of biographies/Index des biographies

For this addendum, we have included all articles that, in our judgement, contain significant biographical information: honours and awards, appointments, obituaries, retirements, and profiles. We have not included brief announcements of deaths, retirements, etc.

Pour cet addendum, nous avons inclus tous les articles qui, selon notre jugement, contiennent des informations biographiques significatives: honneurs et récompenses, nominations, notices nécrologiques, retraites et portraits. Nous n'avons pas inclus les brèves notices de décès, de retraite, etc.

A

Allison J. **On** 12(1): 5

B

Barker P.S. **Mn** 36(1): 7

Becker E.C. **Bo** 28(2): 56; **Bu** 40(3): 130; **On** 13(1): 5; **Sn** 28(2): 10
Bede J. **An** 13(3): 12; **An** 17(1): 11
Bélique R. **An** 15(2): 10
Benoit P. **An** 15(3): 20
Boivin G. **An** 15(1): 10
Borden J. **Bo** 29(2): 36
Borkent A. **Bo** 29(2): 42
Bourassa J.-P. **An** 13(1): 13
Brewster A. **On** 14(1): 4
Broadbent A.B. **On** 11(1): 4
Brodeur J. **An** 16(2): 10
Brossard G. **An** 13(3): 17
Buddle C. **Bu** 38(3): 119; 38(4): 139
Buitenhuis R. **On** 15(1): 4

C

Cannings R. **Bo** 29(2): 37; **Bu** 41(4): 187
Carr J.L. **Bu** 39(1): 35
Chagnon G. **An** 16(3): 10
Chant D.A. **Bu** 40 (3): 131
Chouinard G. **An** 14(3): 10
Cloutier C. **An** 13(1): 12
Corbet P.S. **Bu** 40(2): 78
Cormier D. **An** 14(3): 10
Corrigan J. **Bo** 27(1): 14; 29(1): 6
Cossey J. **Bu** 41(1): 6
Cuming F.C. **Bu** 42(4): 223
Currie D. **On** 11(1): 5
Cywinska A. **On** 11(1): 5

D

Danks H.V. **Bu** 39(3): 141
Davis G.R.F. **Bu** 38(2): 70; **Sn** 27(1): 1
de Oliveira D. **An** 17(1): 10
Delury N. **Bo** 26(1): 8; 29(1): 7
Despland E. **An** 15(1): 12
Douglas H. **On** 12(1): 4
Downe A.E.R. **Bu** 39(4): 188; **On** 12(2): 2
Dubuc Y. **An** 13(1): 14; 15(3): 9
Duchesne R.-M. **An** 16(1): 12
Dumoulin D. **An** 16(1): 13

E

Evenden M. **Bu** 39(3): 110
Ewen A.B. **Bu** 40(4): 194; **Sn** 28(2): 1

F

Fernandez Triana J.L. **On** 12(1):4
Fields P. **Bu** 38(3): 118
Finlayson T. **Bo** 26(1): 11
Firlej A. **An** 16(2): 11
Fitzpatrick S. **Bo** 27(1): 14
Fitzsimmons J. **On** 15(1): 5
Fraser H. **On** 14(1): 3
G
Gibson J. **On** 13(1): 4
Gill B. **On** 15(1): 3
Gillott C. **Bu** 39(3): 108; 40(1): 5; 42(3): 166; **Sn** 28(1): 2
Godwin B.J. **Bu** 40(4): 197
Gregson J.D. **Bo** 26(2): 34; **Bu** 38(4): 160
Griffiths G.C.D. **Bu** 41(3): 133

H

Hallett R. **On** 11(1): 4
Handfield D. **An** 17(1): 13
Harper P.-P. **An** 15(1): 11
Harris P. **Bu** 39(4): 154
Hart M. **Bo** 28(1): 11
Hébert C. **An** 15(3): 9
Holden D. **Bo** 30(1): 8
Holliday N. **Bu** 41(3): 107; 42(3): 125
Huber D. **Bo** 26(1): 7; 28(1): 8; 30(1): 9; **Bu** 42(3): 161
Hueppelsheuser T. **Bo** 30(1): 9
Huot L. **An** 16(1): 10

J

Jackson M. **On** 15(1): 5
Janmaat A. **Bo** 27(1): 15; 28(1): 9
Jay S.C. **Bu** 40(3): 135; **Mn** 35(1): 5; **Sn** 28(2): 6
Jean C. **An** 14(1): 11

K

Kenner R.D. **Bo** 29(2): 54; **Bu** 42(2): 95
Khan M.A. **Bu** 42(4): 225
Kullik S. **On** 13(1): 3

L

L'Arrivée J.C.M. **Bu** 42(4): 224
Lachance S. **On** 14(1): 4
Lalonde B. **Bo** 26(1): 9
Larson R.I. **Bu** 42(1): 31

- Leighton A.L. **Bu** 39(4): 161
 Léopold (Père) **An** 14(2): 10; 17(2): 10
 Leroux E.J. **Bu** 39(4): 188
 Létourneau F. **An** 17(2): 11
 Li S. **On** 13(1): 4
 Liebhold A.M. **Bu** 42(3): 124
 Locke M. (Michelle) **On** 15(1): 5
 Lowery T. **Bo** 28(1): 7
 Lucas E. **An** 14(1): 10
- M**
 MacGillivray M.E. **Bu** 38(2): 68
 Maheux G. **An** 13(2): 14
 Maltais J.-B. **An** 17(2): 12
 McEwen F. **On** 15(1): 6
 McGregor R. **Bo** 27(1): 16; 29(1): 9
 McLean J. **Bo** 26(1): 7
 McNeil J.N. **On** 15(1): 4
 Mengersen E.A. **Bu** 41(4): 194
 Miller C.A. **Bu** 41(4): 197
 Moffat C. **Bo** 30(1): 11
 Munroe E.G. **Bu** 40(3): 139
- N**
 Nelson J. **Bo** 28(2): 58
 Norbert (Père) **An** 17(2): 12
- P**
 Pankiw T. **Mn** 34(1): 11
 Parrot M. **An** 15(1): 14
 Pelletier G. **An** 15(1): 13; 15(3): 9
 Perry J. **On** 11(1): 5; 12(1): 5
 Philogène B.J.R. **On** 15(1): 7
 Pierce N. **Bo** 26(1): 13
- R**
 Rankin L. **Bo** 26(1): 8; 28(1): 10; 30(1): 10
 Raworth D. **Bo** 28(1): 25
 Raynault L. **An** 16(3): 8; 17(2): 13
 Rehan S. **On** 15(1): 6
 Ritchoy C. **An** 15(3): 20
 Ring R.A. **Bo** 26(2): 29; **Bu** 38(4): 136;
 39(2): 58
 Roitberg B.D. **Bo** 28(2): 39; **Bu** 40(4): 170
 Roughley R.E. **Bo** 29(2): 60; **Bu** 42(1): 40;
Mn 36 (2/3): 9; **On** 14(2): 3; **Sn** 29(1): 2
 Roy M. **An** 17(1): 12
 Ryall K. **On** 13(1): 4
- Ryan K. **On** 12(1): 4
- S**
 Salt R.W. **Bu** 41(2): 82
 Savage J. **An** 17(3): 10
 Scott I. **On** 14(1): 5
 Scott-Dupree C. **On** 12(1): 3
 Scudder G.G.E. **CE** 138(4): ix
 Sharanowski B. **Mn** 37(2): 4
 Shipp L. **On** 12(1): 3
 Shore T.L. **Bo** 30(1): 27; **Bu** 42(2): 94
 Skevington J. **On** 11(1): 5; 14(1): 3
 Smetana A. **Bu** 40(2): 96
 Smirle M. **Bo** 26(1): 9
 Smith G. **Bo** 26(1): 8; 27(1): 16
 Spironello M. **Bu** 39(2): 87; **On** 11(2): 8
 Stock A. **Bo** 30(1): 10
 Strong W. **Bo** 29(1): 8; 30(1): 7
- T**
 Thielman A. **On** 11(1): 6
 Thomson M.G. **On** 11(1): 2
 Turnbull A.L. **Bo** 27(1): 52; **Bu** 38(3): 123
 Turnock W.J. **Bu** 40(2): 82; **Mn** 35(1): 3; **Sn**
 28(2): 4
- U**
 Umphrey G. **On** 13(1): 3
- V**
 Van Herk W. **Bo** 26(1): 7
 VanLaerhoven S. **Bu** 41(3): 110; **On** 15(1): 3
 Vickruck J. **On** 13(1): 5
 Vincent C. **Bu** 42(3): 157
- W**
 Walley G.S. **On** 13(2): 4
 Watters F.L. **Bu** 39(1): 36
 Webb F.E. **Bu** 42(3): 164
 Wellington W.G. **Bo** 29(1): 25; **Bu** 41(1): 28
 Westdal P.H.A.N. **Bu** 42(2): 97; **Mn** 37(1): 3
 White K. **Bo** 26(1): 8
 Wiggins G.B. **On** 11(1): 6
 Work T. **An** 16(1): 11
 Wrigley R.E. **Bu** 41(4): 162

Insect Ecology: An Ecosystem Approach. Third Edition.

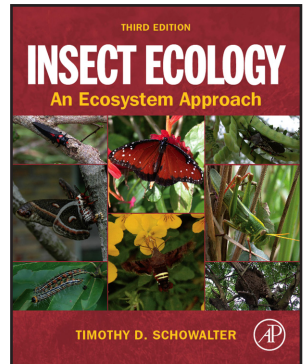
Schowalter, T.D. 2011. Academic Press, Elsevier, Inc., London/Burlington/San Diego, 633 pp. (hardcover). ISBN 978-0-12-381351-0. US\$99.95

It is a good time to study insect ecology, with the recent publication of not only this new edition of Schowalter's book but also of a reworking of the now classic text *Insect Ecology* by Price et al. (2011) and the second edition of *The Ecology of Insects* by Speight et al. (2008). These books are the main choices available for introductory texts in insect ecology, and all three do an excellent job of covering the basics of the field. How then to choose which one to buy, or to suggest to students as course reading material? Each book takes a slightly different approach to the material, and is influenced by the authors' particular interests and expertise. Here I provide a review of the third edition of Schowalter's text, hoping that my evaluation will help some readers with their decision.

As an interesting aside, the main authors of all these texts are forest entomologists. While some may see this as coincidence, for me it highlights an important point about the history of entomology and ecology: how the biological context within which forest entomologists conducted their research shaped their scientific thinking. While the putative goal of early forest entomology was to control insect pests, pioneering forest entomologists found they could not successfully apply the methods and theory of agricultural pest control to the complex ecosystems found in forests (Palladino 1996). They thus had to turn to developing research in theoretical ecology to better understand how these systems worked. The resulting integration of ecology and entomology resulted in many great advances in population and community ecology made by forest entomologists (see Quiring 2012 for some highlights), and a lasting legacy of this philosophical approach within the field.

Well-grounded in this context, Schowalter has spent much of his career studying ecosystem-level interactions between forest insects and the environment, with particular emphasis on the relationship between herbivory, primary production, nutrient cycling, and succession. It should therefore come as no surprise that he takes an ecosystem approach in this textbook, in which he says the goal is to educate students "on the broad perspective of insect ecology that derives from a synthesis of evolutionary and ecosystem approaches". His focus is on the ways in which insects adapt to their environment, the ways in which insects modify their environment, and the feedback between the two processes. This framework seems very timely, reflecting current interest in the study of global change and its effects on biodiversity and ecosystem function (e.g., Millenium Ecosystem Assessment 2005).

The book is divided into four sections, representing the hierarchy of biological organization: 1) individuals; 2) populations; 3) communities; and 4) ecosystems. Each section contains two to five chapters, organized by themes, including: Responses to abiotic conditions, Resource acquisition, and Resource allocation (Individuals); Population systems, Population dynamics, and Biogeography (Populations); Species interactions, Community structure, and Community dynamics (Communities); Ecosystem structure and function, Herbivory, Pollination, seed predation and seed dispersal, Decomposition and pedogenesis, and Insects as regulators of ecosystem processes (Ecosystems). New to this edition is a final fifth section on applications and synthesis, added based on reader feedback. This section emphasizes the role of insects in the provision of ecosystem services, as well as how to apply the concepts of insect ecology in integrated pest management, conservation, and biomonitoring.



While the first three sections of the book thoroughly cover most of the content you would expect in a textbook on insect ecology, I found the presentation of the material to be occasionally confusing. The hierarchical organizational structure results in odd divisions and repetition of information; for example, insect defense mechanisms are covered in Chapter 3, Resource acquisition (pp. 66-69) and also in Chapter 4, Resource allocation (pp. 113-117). Furthermore, the organizational system is not internally consistent; within the chapter on population systems (Chapter 5), metapopulation structure is covered before population genetics and both are covered before basic population processes such as birth and death. Each chapter begins with a boxed section, meant to provide an example of one of the topics in the chapter (e.g., “Shifts in population state of desert locusts” pp. 129-130) or to highlight the historical development of a particular research area (e.g., “Advances in understanding biochemical interactions between plants and insects” pp. 53-54). However, the relationship between these boxed sections and the following material is not always immediately apparent. In addition, they provide aesthetically awkward introductions to the chapters, printed in a smaller font and always running across the first page to the second.

I found the book to have aesthetic problems in general, reflecting poor typesetting and design choices on the publisher’s part. While the text is occasionally interspersed with figures, including some in colour, there are not as many as might be desired – resulting in occurrences of pages of unbroken text where a figure might help clarify the discussion. One instance where I particularly noted the absence of any figures was in the section on food webs (pp. 269-273). Some of the figures that are included are of very poor quality, especially those reprinted from other sources and enlarged from their original size, with grainy or pixelated symbols and text. Finally, some figures seem much larger than necessary (e.g., Fig 9.14, p. 289) and some much smaller (e.g., Fig. 9.8, p. 277). While these may seem like somewhat unfair criticisms, the aesthetics of the book do detract from its readability.

The real strength of this book is in the last two sections, the discussion of ecosystem level insect ecology (Section 4) and applications and synthesis of insect ecology (Section 5). Schowalter has done an excellent job of summarizing literature in these areas, covering subjects such as decomposition (Chapter 14) and seed predation (Chapter 13) that have not been traditionally included in insect ecology texts. The chapter on herbivory (Chapter 12) provides an especially thorough treatment of the population, community and ecosystem level consequences of insects feeding on plants. In this section Schowalter also addresses the evolution of scientific thought on controversial topics such as diversity-stability and diversity-productivity relationships (Chapter 15).

Overall, I would recommend this text for students and researchers whose scientific questions match Schowalter’s ecosystem approach to insect ecology. In the Canadian context, where most undergraduate students of entomology are likely to take general courses in population and community ecology and not a course in insect ecology per se, much of this book would be repetitive. However, for graduate students in insect ecology the sections on individuals, populations, and communities may provide a useful refresher of material once learned and perhaps forgotten.

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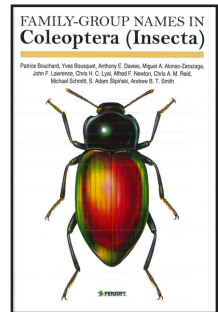
Family-group names in Coleoptera (Insecta).

Bouchard, P., Bousquet, Y., Davies, A.E., Alonso-Zarazaga, M.A., Lawrence, J.F., Lyal, C.H.C., Newton, A.F., Reid, C.A.M., Schmitt, M., Šlipiński, S.A., Smith, A.B.T. 2011, Pensoft Publishing. *Zookeys* **88** (Special Issue). 1-972 pp. ISBN 978-954-642-583-6 (hardback), 978-954-642-584-3 (paperback). <http://www.pensoft.net/journals/zookeys/issue/88/>. €99 (paperback) or €120 (hardback).

Communication within biological sciences requires a set of unique scientific names for all taxa of plants and animals. Consistency and precision in the usage and application of these names is essential to avoid confusion about species or group identity. If one person refers to a group of animals as Ursidae (the bears), it is imperative that other persons know exactly which group is being discussed and what species are included in that group. For many well-known creatures, common names can work well, but common names may have more than one meaning depending on culture, language or geography, and for many highly diverse or poorly known organisms are often not exact enough for the necessary precision to be established. Confirming the unique nature of a scientific name through time-consuming and often not overly exciting historical research is a task not always relished by taxonomists. Thus it is with great thanks that the community of entomologists who study the taxonomy and classification of Coleoptera should recognize the contributions by the 11 authors who penned this monumental work and offer up their collective and profound “THANKS”!

Family Group Names in Coleoptera (Insecta) is a 972 page authoritative work on the system of family-group names in use for extinct and living Coleoptera. It is the first comprehensive attempt to establish such information for all beetles. The authors recognize a total of 4492 names as available and from this recognize as valid 24 superfamilies, 211 families, 541 subfamilies, 1663 tribes and 740 subtribes. For each name, they include the original spelling, author, year of publication, page number, correct stem and type genus. New synonymies are proposed, and in the interest of preserving widely used names, reversal or precedence is used to conserve usage of these commonly used names.

The first 17 pages are an introduction to the principles of priority that guide such nomenclatural works as well as short summaries of the significant nomenclatural results or changes that are presented in this volume. Pages 18-93 are a synoptic classification of the world Coleoptera, in effect, a bare summary of the valid names for use in world Coleoptera classification without reference to dates, stems, synonyms or type genera. This classification is a distillation of the more detailed catalog of Coleoptera family-group names that comprises pages 94-639 in which these dates, stems, synonyms and type genera are listed. In the catalog, nomenclatural issues are also discussed for some names in a comments section. Pages 641-835 are a comprehensive references section in which



the authors have paid particular attention to dates of publication (not always easy to determine) as this is critical for determining priority of usage. Appendix 1 is a listing of references for Reversal of Precedence cases proposed in the work. Appendices 2 and 3 are listings of cases where name changes are required based on the principle of priority or on homonymy. Appendices 4-5 concern listings on the Official Lists of Family-Group and Generic Names in Zoology, and Appendix 6 is a list of cases awaiting rulings by the ICZN (International Commission on Zoological Nomenclature). A comprehensive taxonomic index concludes the volume.

This book will not appeal to everyone but for those of us who call the taxonomy and classification of a group of beetles our profession, the book will prove indispensable. It will also serve as an essential reference tool for curators and collection managers who seek to organize the collections under their care in a manner for which there is a robust, justifiable and most importantly, stable framework. Admittedly, the classification is not fully phylogenetic and thus makes no claims to define holophyletic or natural groups. But this may be one of its strengths if used as an organizational tool, for solely phylogenetic classifications, although seeking to eventually represent the one true phylogeny of life, are constantly changing and unstable as new information about relationships becomes available or is interpreted in different ways.

What this book provides is an objective system of priority for the names to be used in recognizing the various taxonomic groups of beetles. It does not determine the taxonomic level at which they are used. This is the subjective nature of classifications. The classification adopted in this book follows recent major works on beetles (*Handbook of Zoology, American Beetles and Catalogue of Palearctic Coleoptera*). Should you disagree with aspects of these classifications, you will likely find fault with the scheme presented here. For example, a recent paper on weevil diversity (Oberprieler et al. 2007) adopted a conservative classification with seven families recognized within extant Curculionoidea, which contrast with the nine recognized in this volume (which included Dryophthoridae and Brachyceridae at the family and not subfamily [of Curculionidae] level). The family Attelabidae consists of two subfamilies in Oberprieler et al. (2007) but five are recognized herein. Similarly, Curculionidae has only 10 subfamilies in the former, but herein, 17 are recognized. I'm sure that similar discrepancies will exist for other taxa. Nevertheless, the system presented here is rooted in modern, authoritative works by recognized specialists in Coleoptera classification and in my opinion is one that, in agreement with the authors, serves the community well.

If you have a need and wish to purchase the book in hardcopy, it is nicely bound in what appears to be a durable hard cover with sturdy binding. I hope it will hold up to the many times this book will be referenced by the world coleopterist community. Alternatively, as with all Zookeys issues, it is available online as a free download in either html or PDF format making it readily accessible to those individuals with an occasional need for use, or to organizations without the resources to purchase their own hardcopy.

As of this review, the book is the most viewed item published in Zookeys with over 10 000 views and has already been cited in over 50 publications in the first year since its publication. These statistics clearly attest to its rapid and extensive impact.

Reference

Oberprieler, R.G., Marvaldi, A.E., and Anderson, R.S. 2007. Weevils, weevils, weevils everywhere. *Zootaxa* **1668**: 491-520. In Zhang, Z.-Q. & Shear, W.A. (Eds) (2007) *Linnaeus Tercentenary: Progress in Invertebrate Taxonomy. Zootaxa* **1668**: 1-766.

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Owlet Caterpillars of Eastern North America.

Wagner, D.L., Schweitzer, D.F., Sullivan, J.B., and Reardon, R.C. 2011. Princeton University Press, Princeton, New Jersey. 576pp. ISBN 978-0-691-15042-0. US\$35.00, Available from <http://press.princeton.edu/titles/9420.html>, 20.3 × 25.4 cm. Softcover.

A recurrent frustration of mine has been the lack of good identification guides for caterpillars. Sure, for many groups the standard dry texts with dichotomous identification trees are available, but even a decent cursory field guide to larval lepidopterans was hard to find until Wagner’s *Caterpillars of Eastern North America* and Allen *et al.*’s *Caterpillars in the Field and Garden* were released in 2005. These are useful guides, but are (perhaps understandably) limited in species coverage and focus mainly on the common or charismatic species. For the lepidopteran enthusiast there remained a gap in the available literature. Wagner and colleagues have narrowed this gap substantially with their new identification guide to the *Owlet Caterpillars of Eastern North America*.

The stated objectives of this book are to: 1) synthesize and succinctly summarize the available literature on eastern North American owlet caterpillars and their life history; 2) provide an understandable and useful text for educators, the general public, and professionals; and 3) stimulate appreciation for caterpillars and other aspects of biodiversity. The authors speak of providing a “portal” through which students and non-scientists can access high quality information on this group of insects. A non-trivial amount of the information contained in the book is said to have been compiled from unpublished sources suggesting that this is the first time much of it has been made available even to professional entomologists. The authors are clearly authorities on the book’s subject, with the first three authors alone having over 110 years of experience in this field, and their enthusiasm for the topic drips from each page.

The book begins with a 28 page Introduction, some of which is reproduced from Wagner (2005). Useful background and context is provided within the Introduction’s subsections: Importance of Owlet Caterpillars and Adults; Morphology; Larval Diets; Finding Caterpillars; Baiting and Sweeping; Collecting Adults; Baiting; Bait Trapping; Collecting, Vouchering, and Conservation; Feeding Adults, Obtaining Pairings; Obtaining and Handling Eggs, Rearing Caterpillars, Sleeving; Overwintering Larvae and Pupae; Natural Enemies; Classification and Nomenclature; About this Book, Making Identifications; Voucher Data and Specimens; Diagnosing Owlet Caterpillars; Keys to Owlet Larvae; Supplemental Digital Resources. These subsections range in length from ~10 lines to ~4 pages, and each serves its purpose well. Clarity of writing, tangible tips for collection and identification, and richly detailed aspects of Owlet natural history make the introduction not only useful, but engaging and accessible to non-specialists.

Following the introductory section are species accounts. Originally intended to appear as a US Forest Service publication, this book treats 815 species and includes a detailed species account for most of them. Note that roughly 90 of these species accounts are included in Wagner (2005); however, the authors have made an effort to use different larval photos and add/change text in the species accounts for the repeated taxa. Each family begins with a ~¼ page introduction, and subfamilies are introduced with a short paragraph. A surprisingly useful feature of the book is that the outer margin of each page is colour-coded by family, making it easier to quickly locate a specific group. Unfortunately, there is little guidance before the species accounts for readers to narrow their specimen down to family or subfamily. Instead, a list of references is provided



for readers to locate and use independently. A 1-2 page description of the key morphological characteristics for the various families of Owlet caterpillars would have made identification faster and easier for non-specialists and entry-level entomologists.

The typical species account includes a large photo of the caterpillar in a natural setting (top ~1/3 the page), sometimes with an inset photo revealing an additional feature of taxonomic or ecological interest. For most species, two adult photos are provided below this, to the right side; one of a spread, pinned specimen and another just below of an adult in a natural resting position. This book apparently represents the first time that photos of New World moths have been so comprehensively presented, particularly in their natural resting positions, making this work a valuable resource for adult identification as well. To the left of these adult photos is the species description text composed of four sections: Recognition, Occurrence, Common Foodplants, and Remarks. The first three sections are detailed enough to identify the species of interest, while the final section is a mixed-bag of interesting details of natural history or ecology. I frequently found myself reading the Remarks section first, even for the duller-looking specimens. Clearly, efforts were made to highlight interesting details for all species that received their own page. Occasionally, comparative plates are included to distinguish closely-related species from particularly diverse groups (e.g., pages 101-103). Many species do not get a full page and are treated by providing ~3-4 species on a single page with a photo of the caterpillar only and a short paragraph detailing approximate range, foodplants, and phenology. This is an understandable limitation resulting from treating so many species and dealing with substantial uncertainty in many of the understudied taxa. The authors state this limitation upfront (i.e., lack of available data for many species), but emphasize their dedication to this book's topic stating that an electronic supplement will be available online where updated and/or corrected information will be provided.

The book's attractive photos combined with the accessibility, quality, and breadth of its information make the book well-suited to both professionals and non-specialists. It is possible that the professional entomologist, concerned primarily with quick and accurate caterpillar identification, would prefer a dichotomous tree approach with the associated photos compiled in plates found in a separate section. Yet, I suspect all interested parties would adore this work and the authors do provide references to the corresponding keys where appropriate and available. The book is too big to carry it around in the field and should not be mistakenly considered a field guide; note, however, that there is an eBook option available for the same price (ISBN: 9781400838295). My overall sense is that this is a must-own text for students, enthusiasts, and professionals interested specifically in the Noctuidae group or Lepidoptera in general. All stated objectives are fulfilled in that this book provides a succinct treatment of a diverse group that contains sufficient detail while remaining accessible and engaging. The book is reasonably priced at US\$35 and is well worth the money.

References

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Books available for review

The ESC frequently receives unsolicited books for review. A list of these books is available online (<http://www.esc-sec.ca/bulletinbooks.html>) and is updated as new books are received.

If you wish to review one of these books, please send an email to the Chair of the Publications Committee (Kevin Floate, Kevin.Floate@agr.gc.ca). You should briefly indicate your qualifications to review the topic of the book, and be able to complete your review within 8 weeks.

Preference will be given to ESC members.

Guidelines

Book reviews should be approximately 800-1200 words in length. They should clearly identify the topic of the book and how well the book meets its stated objective. Weaknesses and strengths of the book should be described.

Formatting of the review should follow that of reviews in recent issues of the Bulletin. A scan of the book cover (jpeg or tiff format, about 500 kb) should be submitted with the review.

Livres disponibles pour critique

La SEC reçoit fréquemment des livres non demandés pour des critiques. Une liste de ces livres est disponible en ligne (<http://www.esc-sec.ca/fr/f-bulletinbooks.html>) et est mise à jour lorsque de nouveaux livres sont reçus.

Si vous souhaitez critiquer un de ces livres, veuillez envoyer un message au président du comité des publications (Kevin Floate, Kevin.Floate@agr.gc.ca). Vous devez brièvement indiquer vos qualifications pour critiquer le sujet du livre, et être en mesure de terminer votre critique en 8 semaines.

La préférence est donnée aux membres de la SEC.

Lignes directrices

Les critiques de livre doivent compter entre 800 et 1200 mots. Elles doivent clairement identifier le sujet du livre et si le livre rencontre bien les objectifs énoncés. Les forces et faiblesses du livre devraient être décrites.

Le format des textes doit suivre celui des critiques des récents numéros du Bulletin. Une version numérisée de la couverture du livre (en format jpeg ou tiff, environ 500 kb) devra être soumise avec la critique.

Books available for review

Currently available for review/ Disponibles pour critique

Dragonflies and Damselflies in the Hand: An Identification Guide to Boreal Forest Odonates in Saskatchewan and Adjacent Regions. 2011. Halstead, D. and Hutchings, G. Nature Saskatchewan.

Functional Morphology and Evolution of the Male Secondary Copulatory Apparatus of the Anisoptera (Insecta: Odonata). 2011. Pfau, H.K. 103 p., 65 figures, 31 x 23 cm. (Zoologica, Volume 156). ISBN 978-3-510-55043-2 paperback.

www.schweizerbart.com/9783510550432

eButterfly – A new monitoring tool for Canada’s butterflies

Biologists at the University of Ottawa, aware of the dramatic northward expansion and earlier seasonal appearance of many Canadian butterflies caused by recent climate warming, have developed an electronic monitoring tool, eButterfly.

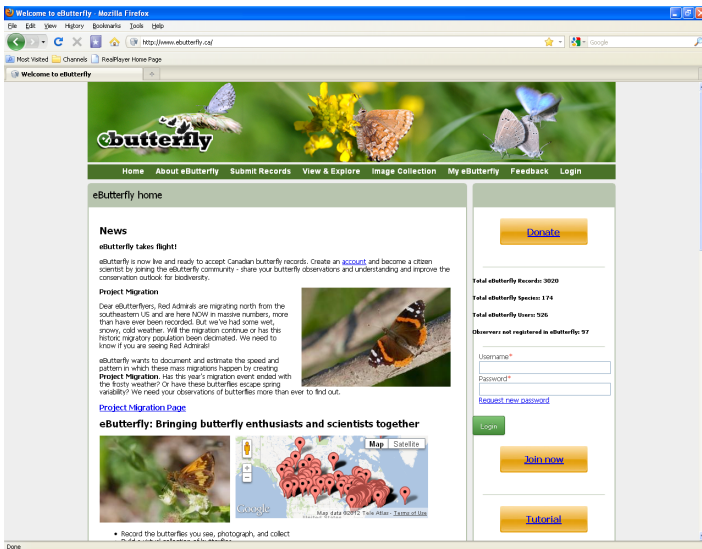
eButterfly allows anyone to help keep track of Canada’s amazing diversity of butterflies. Citizen scientists can record, map, track and share their butterfly observations. They can even upload digital photos of butterflies, keep life lists of species and build dynamic maps of where and when butterflies are found. Doug Hyde, Executive Director for NatureServe Canada noted “This is a magnificent tool for naturalists, and the technology for recording butterfly sightings can be readily adapted for any plant or animal group to eventually build vast, citizen-driven databases for the biodiversity Canadians have inherited.”

This flexibility is built into eButterfly technology and represents a major step in making Canada a world leader in natural-history monitoring and conservation. eButterfly will engage Canadians in measuring the impact of climate change and habitat loss on butterflies.

eButterfly was developed by Max Larrivée as part of the Canada Global Change Research Transect, a project funded through an Early Researcher Award to Professor Jeremy T. Kerr in Biology at the University of Ottawa. The project was also funded by the Ontario Ministry of Economic Development and Innovation. NatureServe Canada provided additional support and expertise, as did Agriculture and Agri-Food Canada.

Professor Kerr, who leads the Canadian Facility for Ecoinformatics Research based in the Department of Biology, stated “The need to discover how butterflies will respond to rapid climate change and the impact of development in wilderness areas motivated our decision to construct eButterfly. eButterfly mobilizes Canada’s best asset – its citizens – to give biodiversity research a shot in the arm. Butterflies are like canaries in a coal mine, our early warning device for how other species might respond to climate and habitat changes.”

eButterfly is now live at www.ebutterfly.ca



Workshop: “Perspectives on the Publication Process”

Publishing research in a high quality peer-reviewed scientific journal remains an important goal for us but the process can be difficult to navigate, be frustrating, and create a great deal of anxiety and stress. On the Sunday morning immediately before the 2012 Joint Annual Meeting (4 November) in Edmonton, the Entomological Societies of Canada and Alberta will be jointly hosting a workshop at the JAM venue about the publication process. The overall goal is to provide attendees (students and seasoned professionals alike) with practical information about all aspects of publishing.

The workshop will include presentations by guest speakers, followed by break-out sessions on specific topics, and a mediated discussion led by a panel of experts. The experts will work with attendees to demystify the publication process, and provide guidance and ideas regarding either publishing in or reviewing for peer-reviewed journals, with a focus on Entomology in Canada.

To make this experience as relevant to our membership as possible, we are asking for your feedback and ideas on the discussion topics. Based on the list below, please indicate your preferences, or if you have other topics you would like to see covered. **Respond to one of the workshop organizers listed below by 29 June 2012.**

Stay tuned for further announcements on the workshop, including the successful topics, in the September *Bulletin*. **Note that attendees MUST register for the workshop by ticking the appropriate box on the JAM registration form to ensure a reserved space.** Registration will include a food break, and is free to ESC and ESAB members; \$50 for non-members (to be paid at the workshop).

Topic suggestions:

Picking the right journal

Ethical behaviour and the publishing process

Demystifying impact factors

The peer-review process, including how to interact with editors and respond to reviewers

How to review a scientific paper

Current challenges in scientific publishing

Others?

Thanks for your interest!

Workshop Organizing Committee:

Chris Buddle (chris.buddle@mcgill.ca)

Kenna MacKenzie (Kenna.MacKenzie@agr.gc.ca)

Rosemarie De Clerck-Floate (Rosemarie.DeClerck-Floate@agr.gc.ca)

Atelier: “Perspectives sur le processus de publication”

Publier ses recherches dans une revue scientifique évaluée par les pairs de haute qualité demeure un but important pour nous, mais le processus peut être difficile, frustrant et créer beaucoup d’anxiété et de stress. Le dimanche matin immédiatement avant la réunion conjointe annuelle 2012 (le 4 novembre) à Edmonton, les Sociétés d’entomologie du Canada et d’Alberta organiseront conjointement un atelier sur le site de la réunion sur le processus de publication. L’objectif général est de fournir aux participants (étudiants et professionnels chevronnés) des informations pratiques sur tous les aspects de la publication.

L’atelier inclura des présentations de conférenciers invités, suivies de sessions en petits groupes sur des sujets particuliers, et d’une discussion menée par un panel d’experts. Les experts travailleront avec les participants afin de démystifier le processus de publication et de fournir des guides et des idées concernant soit la publication, soit la révision pour des revues évaluées par les pairs, en se concentrant sur l’entomologie au Canada.

Afin de rendre cette expérience aussi pertinente que possible pour nos membres, nous vous demandons vos idées et opinions sur les sujets de discussion. En se basant sur la liste ci-dessous, merci d’indiquer vos préférences, ou d’autres sujets que vous aimeriez voir traités. **Veillez répondre à un des organisateurs nommés plus bas au plus tard le 29 juin 2012.**

Restez alertes pour les futures annonces de l’atelier, incluant les sujets choisis, dans le *Bulletin* de septembre. **Veillez noter que les participants DOIVENT s’inscrire à l’atelier en cochant la case appropriée sur le formulaire d’inscription de la réunion annuelle afin de s’assurer une place réservée.** Les inscriptions incluront une pause avec nourriture, et sont gratuites pour les membres de la SEC et de la SEAB; les non-membres doivent payer 50\$ (à payer lors de l’atelier).

Suggestions de sujets :

Choisir la bonne revue

Le comportement éthique et le processus de publication

Démystifier les facteurs d’impacts

Le processus d’évaluation par les pairs, incluant comment interagir avec les éditeurs et répondre aux évaluateurs

Comment réviser un article scientifique

Les défis actuels de la publication scientifique

Autres?

Merci pour votre intérêt!

Le comité organisateur de l’atelier

Chris Buddle (chris.buddle@mcgill.ca)

Kenna MacKenzie (Kenna.MacKenzie@agr.gc.ca)

Rosemarie De Clerck-Floate (Rosemarie.DeClerck-Floate@agr.gc.ca)

Pollination & Land Rehabilitation Workshop

29 and 30 September 2012, Columbus, Ohio

The Canadian Pollination Initiative (NSERC-CANPOLIN) is organizing a 2-day workshop on Pollination and Land Rehabilitation. The workshop will bring together pollination biologists, restoration ecologists, and others interested in land rehabilitation, and will provide a valuable opportunity to assess the current state of knowledge and identify research priorities and collaborative projects. The workshop will take place immediately prior to the 2012 EcoSummit on 29 and 30 September 2012 in Columbus, Ohio.

Space is limited! To reserve a place in the workshop or to obtain more information, contact Sarah Bates (Network Manager, NSERC-CANPOLIN; sbates@uoguelph.ca).

The advertisement is a rectangular graphic with a black background on the left and a green background on the right. On the black background, there is a white square containing a detailed illustration of a stag beetle (Cerambycidae) with its characteristic long, branched mandibles. On the green background, the text is centered and reads: "ATELIER JEAN PAQUET INC." in a large, bold, black serif font. Below this, in a smaller black serif font, are the words "MATÉRIEL ENTOMOLOGIQUE" and "ENTOMOLOGICAL SUPPLIES". Further down, the email address "Courriel: jeanpaquet@webnet.qc.ca" is written in a black serif font. At the bottom, the website "www.atelierjeanpaquet.com" is displayed in a white serif font.

(paid advertisement/ publicité payée)

Nominations for ESC Governing Board/Nominations pour le Conseil d'administration de la SEC

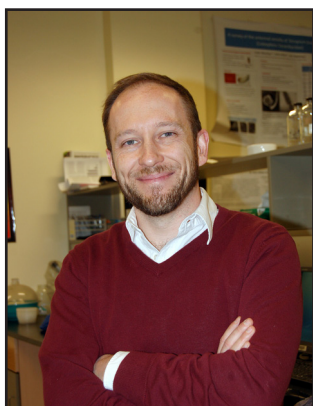
The following have been nominated and agreed to stand for election in 2012 for the indicated positions. Members will receive more details in the mail. The ballot must be mailed to the Elections Committee by 15 July 2012, so PLEASE VOTE!

Les personnes suivantes ont été nommées et ont accepté de participer aux élections de 2012 pour les positions indiquées. Les membres recevront plus de détails par courrier. Le bulletin de vote doit être envoyé au Comité des élections avant le 15 juillet 2012, alors s.v.p., VOTEZ !



Candidates for Second Vice-president: Lloyd Dosedall (left) and Staffan Lindgren (right).

Candidats pour le poste de Second Vice-président : Lloyd Dosedall (gauche) et Staffan Lindgren (droite).



Candidates for Director-at-Large: Kirk Hillier (left) and Zoe Lindo (right).

Candidats pour le poste de conseiller: Kirk Hillier (gauche) et Zoe Lindo (droite).

ESC Scholarship Fund

Once again the Society would like to thank and acknowledge the very generous donors to the ESC Scholarship Fund. These tax-deductible donations are very important to the Society, as it is only because of these donations that the scholarship fund is self-sustainable. Donations can be made at any time and a receipt for income tax purposes in Canada will be issued. Please make cheques payable to the Entomological Society of Canada.

Le Fonds de bourses d'études de la SEC

La Société tient à remercier, une fois de plus, les très généreux donateurs et donatrices au Fonds de bourses d'études de la SEC. Ces dons déductibles d'impôt sont très importants pour la Société, puisque c'est seulement grâce à ces dons que le Fonds de bourses d'études est autosuffisant. Les dons peuvent être faits en tout temps, et un reçu pour fin d'impôt vous sera envoyé. Veuillez libeller votre chèque au nom de la Société d'entomologie du Canada.

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... and those who preferred to remain anonymous.

... et ceux et celles qui ont préféré rester anonyme.

Summary of items arising from the Executive Council Meeting by conference call: 15 February 2012.

Alec McClay, Secretary

International Congress of Entomology 2016

C. Vincent has accepted the position of ESC representative on the Organizing Committee of the ICE 2016. A letter confirming ESC's interest in submitting a bid to hold the 2016 Congress in Vancouver, if invited, was sent to the Secretary-Treasurer of the ICE Council on 23 December 2011. This is in case the Entomological Society of America's bid for the Congress is not successful.

Certification for industry

M. Cusson has replied to an enquiry received about a possible certification program for entomological professionals similar to that offered by the Entomological Society of America, perhaps to be offered jointly by ESA and ESC. There is interest on the part of industry workers at least in Ontario. There was discussion about potential costs and liability issues for ESC. The President will investigate the issue further.

Treasurer

The Society is in good financial standing. In early January the general account reached an unusually low balance of about \$14 000 after payment of the costs of *The Canadian Entomologist* **143** (Issue 6) to NRC, but is now back to its normal operating level. The AES has repaid the \$4000 2011 JAM seed money to the ESC. Governing Board expenses for the 2011 JAM were unusually high, but covered a slightly larger group than usual. The audit by Bouris, Wilson LLP will take place probably during the second week of March.

There was discussion of profit sharing with regional societies hosting Joint Annual Meetings. M. Cusson pointed out a discrepancy between the JAM Guidelines and ESC Standing Rules: the Guidelines say that any profit stays with the organizing society, but the Standing Rules say profits are to be shared with ESC, the amount to be decided by the organizing society. M. Cusson will contact AES regarding the 2011 JAM, and B. Elliott will revise the Guidelines.

It was decided that, in the short term, income from the C.P. Alexander Fund will be used towards reimbursing the general account for waived page charges for *TCE* **143**(6). Future income from the fund may be used to offset *Bulletin* production costs, digitization of back *Bulletin* issues, or possibly hosting of *Quaestiones Entomologicae*.

All contributors to the Diptera Festschrift (including those with articles in *TCE* **144**[1] and *TCE* **144**[2]) are eligible to purchase hard copies of *TCE* **143**(6) at a rate of \$15 each, plus the cost of shipping.

Headquarters Building

A prioritized list of repairs has been made and C. Schmidt will find a contractor in spring to repair the back porch roof and entry. The need for a contractor for other repairs will be assessed. Some minor repairs were done in January. The Office Manager will request re-evaluation of insurance coverage. A first aid kit has been purchased. Issues related to repair and renovation of the Headquarters building are leading to an increasing workload for Ottawa-based members.

M. Evenden will chair an ad hoc committee to review future options for the building.

The Canadian Entomologist

The last issue of *The Canadian Entomologist* to be produced by NRC, Vol. **143**(6), was printed in December, and the first issue to be produced by Cambridge University Press is very close to printing. The first papers from this issue are already available as “first view” articles on the CUP website. CUP will provide free access to this issue until mid-March. The transition has gone well, with a few technical hiccups, and the process should go more smoothly once the transition to CUP’s ScholarOne system is complete. A total of 88 manuscripts have been received in the ScholarOne system, of which 39 have been fully processed. 11 of these were accepted and 28 rejected, for a rejection rate of 72%. This is largely driven by poor quality submissions from China, and other parts of SE Asia. The time from submission to decision for Notes (15% of manuscripts) is 30 days, and for regular articles (87% of manuscripts) it is 17 days. Including the 17 manuscripts handed on from Robb Bennett, and the 11 manuscripts currently accepted through the ScholarOne system, we have full issues of *TCE* up to and including **144**(4) (August 2012). Although the Editor remains concerned about the low quality of submissions, he is confident that we will see increases in the number of papers submitted and is optimistic about the future of *TCE*. A special issue on “Arctic Arthropods” is planned for February 2013. Marketing efforts with CUP have started, including a Twitter account for the journal. CUP will index *TCE* in AGRICOLA to enhance the journal’s online visibility. The Publications Committee has learned that the last two issues of *TCE* (5, 6) do not appear in SCOPUS. This item has been referred to CUP for follow-up.

Social Networking for ESC

A call will be sent out to members for volunteers to set up an ESC blog and associated Twitter feed and Facebook page.

Proposal for publication workshop at 2012 JAM

The Executive endorsed a proposal for a workshop entitled “Perspectives on the publication process” to be held on the Sunday morning preceding the 2012 Joint Annual Meeting in Edmonton, and will provide up to \$1000 towards the cost of a breakfast or coffee break provided to participants.

Phasing out print version of the *Bulletin*

The Executive discussed the possibility of phasing out the print version. Fewer printed copies of the *Bulletin* are already being produced, as most institutional subscribers to *TCE* no longer receive it. A poll will be sent to members who still receive a print copy as to whether they are in agreement with discontinuing the print version.

Means of electronic balloting

The Web Content Committee engaged in discussions weighing a proposal to implement an ‘in-house’ electronic balloting system versus a third party survey tool, and their consensus was that the in-house system was preferable. The ESC’s web designer, Eric Barstad, estimated \$750 to design the system, but he is now not available for the job. The Web Content Committee will identify an alternate contractor.

Design of new ESC website

R. West intends to step down as webmaster at the latest by the 2013 JAM. He recommends that the ESC website first be redesigned by someone familiar with the ExpressionEngine software (used for the design of our membership database), and that the website be built in such a way that designated individuals, beside the webmaster (e.g., President and chairs of some committees), could directly add/modify content in areas for which they are responsible, thus lowering the new webmaster's work load. The President and Web Content Committee will work to identify a suitable contractor. The committee has been discussing improvements required to the JAM online registration system, and the 2011 Registration chair has provided a list of recommendations that have been forwarded to the ESC's web designer and to the 2012 organizing committee.

Deep archiving

The Committee received an inquiry from CLOCKSS (<http://www.clockss.org>) for the 'deep-archiving' of Society publications for minimal cost. This is a way to preserve web content in the event that it is no longer available from its original publishers. It was suggested that this needs to be discussed with CUP, who currently use a similar service called PORTICO. The Publications Committee will compare these services and discuss with CUP, and report back to the Executive with a recommendation.

Nominations

P. Mason is in the process of contacting potential nominees for Director-at-Large and Second Vice-President.

Achievement Awards

The Society can sustain the addition of several new Fellows (ca 10) and 3 new Honorary Members, and Committee members were invited to submit nominations for Fellows.

Bylaws, Rules and Regulations

The membership has received first and second notice regarding the proposal to amend Bylaw X, pertaining to trustees of the Society. This change was necessary to reflect changes to *The Canadian Entomologist* editorial structure. A membership vote on this amendment can now take place (and must take place before 8 November 2012). The Student Award Committee Guidelines are being discussed with the Student Affairs Committee. Standing Rules VI, VIII, IX, X, XII have all been updated in the English edition of the Standing Rules document. A French translation is needed.

Insect Common Names

L. Timms has been in contact with Dr Donna Hurlbert who is willing to contribute Inuit names that she has, and solicit further names from elders. These names would likely be at the level of genus or family, not species, as there are not that many traditional names at the species level. A format for incorporating these names into the ESC's lists needs to be decided. The Committee Guidelines and Standing Rules need to be revised to allow for additional members serving on this committee.

The Committee has been considering options for a process on developing common names, in cooperation with the National General Status Working Group (NGSWG), which includes repre-

sentatives from all provincial and territorial governments in Canada; there may be funding from Environment Canada to support this process. Several options were presented to the Executive.

Membership

Two series of communications/invitations regarding advantages of ESC membership were drafted and sent:

(i) A personal invitation to Canadian academic and government researchers with active research programs in insect physiology and/or insect molecular biology either centered on insects or using insects as models for specific systems. These colleagues rarely if ever come to ESC meetings or publish in *The Canadian Entomologist* and the letter simply outlined some of the benefits of ESC membership. (ii) A letter requesting the assistance of each regional entomological society to solicit their membership for potential new members for ESC. M. Cusson noted that “sustaining membership” is established in the bylaws and dues were set at \$200, but it is not shown as an option on the membership form. The Membership Committee will modify the form and put information on sustaining membership in the *Bulletin*.

Science Policy and Education

Two issues will be addressed by the Committee this year: (i) Promotion of Special Issues of *TCE* - e.g., the January 2013 Arctic Arthropods issue. (ii) Royal Canadian Mint - accuracy in depiction of insects on Royal Mint products. The committee will also discuss its possible role in the planned ESC blog.

Student Affairs

The Student Affairs Committee’s column, *The Student Wing*, continues to run in the *Bulletin* and provides information relevant to ESC Students. The Committee strongly supports the proposed workshop *Perspectives on the Publishing Process* at the JAM 2012. Some proposed changes to the Student Affairs section of the ESC website are currently under discussion with the Web Content Committee. There was discussion of the possibility of posting job advertisements as PDF files on the Society’s website, rather than as links to employers’ websites. However, as there are some issues related to copyright and responsibility for the content of advertisements, the Executive decided to continue the policy of providing only links on the job board.

Overlapping Committee mandates

The Executive noted that there is considerable overlap between the duties of the Marketing Committee and those of other Committees, notably the Fundraising Committee. The Marketing Committee will discuss with the Fund-raising and Rules and Regulations Committees and report back to the Executive with a recommendation regarding either a new role or a merger with the Fund-Raising Committee.

Update on JAM 2012

G. Pohl, Chair of the Local Organizing Committee for the 2012 Joint Annual Meeting in Edmonton, reported that preparations for the meeting are well in hand.

62nd Annual General and Governing Board Meetings

The Annual General Meeting of the Entomological Society of Canada will be held at the Coast Edmonton Plaza Hotel on Tuesday, 6 November 2012, from 17:00 to 17:45. The Governing Board Meeting will be held at the same location on Saturday, 3 November 2012 from 08:30 to 17:00. Matters for consideration at either of the above meetings should be sent to Alec McClay, Secretary of the ESC.

62e assemblée générale annuelle et réunion du conseil d'administration

L'assemblée générale annuelle de la Société d'entomologie du Canada se tiendra à l'hôtel Coast Edmonton Plaza le mardi 6 novembre 2012 de 17h00 à 17h45. La réunion du conseil d'administration se tiendra au même endroit, le samedi 3 novembre 2012 de 8h30 à 17h00. Tout sujet pouvant faire l'objet de discussion pour chacune de ces réunions doit être envoyé à Alec McClay, secrétaire de la SEC.

By the numbers

(continued from page 100)

version eventually seen by readers.

What do all these figures add up to? Perhaps not a lot, other than indicating the need to say a big 'Thank you' to the inventors of electronic mail. If we still had to use Canada Post, the Society might now be bankrupt!

Another statistic of interest is the number of copies of each *Bulletin* issue that are printed. Until 2012, institutional purchasers of *The Canadian Entomologist (TCE)* received a complimentary subscription to the printed version of the *Bulletin*. This, plus a preference by some society members for a hard copy version (bed-time reading?), meant that for each issue we printed between 350 and 450 copies. With the change to Cambridge University Press as publisher of *TCE*, subscribers to the journal must now pay for the *Bulletin*, plus the cost of shipping. As a result, most have opted for the freely available on-line version of the magazine, and for the March 2012 issue requests for a printed copy numbered less than 60. This number is likely to decrease even further as more subscribers come to appreciate the advantages of the on-line format. In short, the days of the print version of the *Bulletin* may be numbered!

Selon les chiffres

(suite de page 100)

(*TCE*) recevaient un abonnement gratuit à la copie papier du *Bulletin*. Cela, en plus de la préférence de certains membres d'obtenir la version papier (lecture de chevet?) signifiait que chaque numéro était imprimé en 350 à 450 copies. Avec le changement vers les Presses de l'Université Cambridge comme maison d'édition du *TCE*, les abonnés à la revue doivent maintenant payer pour le *Bulletin*, en plus des frais de port. En conséquence, la plupart ont opté pour la version en ligne gratuite du magazine, et pour le numéro de mars 2012, les requêtes pour des copies papier étaient de moins de 60. Ce nombre va probablement diminuer encore alors que de plus en plus d'abonnés apprécient les avantages du format en ligne. En résumé, les jours de la version papier du *Bulletin* sont peut-être comptés!

Eighth Annual Photo Contest

The Eighth Annual Photo Contest to select images for the 2013 covers of *The Canadian Entomologist* and the *Bulletin of the Entomological Society of Canada* is underway. The cover images are intended to represent the breadth of entomology covered by the Society's publications. Insects and non-insects in forestry, urban or agriculture; landscapes, field, laboratory or close-ups; or activities associated with physiology, behaviour, taxonomy or IPM are all desirable. A couple of 'Featured Insects' (for the spine and under the title) are also needed. If selected, your photo will grace the cover of both publications for the entire year. In addition, winning photos and a selection of all submitted photos will be shown on the ESC website.

Contest rules:

Photos of insects and other arthropods in all stages, activities, and habitats are accepted. To represent the scope of entomological research, we also encourage photos of field plots, laboratory experiments, insect impacts, research activities, sampling equipment, etc. Photos should, however, have a clear entomological focus.

Digital images must be submitted in unbordered, high-quality JPG format, with the long side (width or height) a minimum of 1500 pixels.

Entrants may submit up to five photographs. A caption must be provided with each photo submitted; photos without captions will not be accepted. Captions should include the locality, subject identification as closely as is known, description of activity if the main subject is other than an insect, and any interesting or relevant information. Captions should be a maximum of 40 words.

The entrant must be a member in good standing of the Entomological Society of Canada. Photos must be taken by the entrant, and the entrant must own the copyright.

The copyright of the photo remains with the entrant, but royalty-free use must be granted to the ESC for inclusion on the cover of one volume (6 issues) of *The Canadian Entomologist*, one volume (4 issues) of the *Bulletin*, and on the ESC website.

The judging committee will be chosen by the Chair of the Publications Committee of the ESC and will include a member of the Web Content Committee.

The Photo Contest winners will be announced on the ESC website, and may be announced at the Annual Meeting of the ESC or in the *Bulletin*. Winning photographs, and a selection of all entries, will be exhibited on the website.

There is no cash award for the winners, but photographers will be acknowledged in each issue the photos are printed.

Submission deadline is **31 July 2012**. Entries should be submitted as an attachment to an email message; the subject line should start with "ESC Photo Contest Submission". Send the email message to: photocontest@esc-sec.ca

Huitième concours annuel de photographie

Le huitième concours annuel de photographie visant à sélectionner des images pour les couvertures de *The Canadian Entomologist* et du *Bulletin* de la Société d'entomologie du Canada en 2013 est en cours. Les images sur la couverture doivent représenter l'étendue entomologique couverte par les publications de la Société. Des photos représentant des insectes ou autres arthropodes forestiers, urbains ou agricoles, des paysages, du travail de terrain ou de laboratoire et des gros plans, ainsi que des activités associées à la physiologie, au comportement, à la taxonomie ou à la lutte intégrées seraient souhaitées. Deux « insectes vedettes » (pour le dos et sous le titre) sont également recherchés. Si elle est sélectionnée, votre photo ornera la couverture des deux publications pour l'année entière. De plus, vos photos gagnantes et une sélection de photos soumises seront montrées sur le site Internet de la SEC.

Règlements du concours :

Les photos d'insectes et autres arthropodes à n'importe quel stade, effectuant n'importe quelle activité et dans n'importe quel habitat sont acceptés. Afin de représenter les sujets de la recherche entomologique, nous encourageons également les photos de parcelles de terrain, expériences de laboratoire, impacts des insectes, activités de recherche, équipement d'échantillonnage, etc. Les photos doivent, cependant, avoir un intérêt entomologique clair.

Les images numériques doivent être soumises sans bordure, en format JPG de haute qualité, avec le plus grand côté (largeur ou hauteur) d'un minimum de 1500 pixels.

Chaque participant peut soumettre jusqu'à cinq photographies. Une légende doit être fournie pour chaque photo soumise : les photos sans légendes ne seront pas acceptées. La légende doit inclure la localisation, l'identification du sujet le plus précisément possible, la description de l'activité si le sujet n'est pas un insecte, et toute information intéressante ou pertinente. Les légendes doivent avoir une longueur maximale de 40 mots.

Les participants doivent être membres en bonne et due forme de la Société d'entomologie du Canada. Les photos doivent avoir été prises par le participant, et le participant doit en posséder les droits d'auteurs.

Le participant conserve les droits d'auteur de la photo, mais l'utilisation libre de droits doit être accordées à la SEC afin de l'inclure sur la couverture d'un volume (6 numéros) de *The Canadian Entomologist*, un volume (4 numéros) du *Bulletin*, et sur le site Internet de la SEC.

Le comité d'évaluation sera choisi par le président du comité des publications de la SEC et inclura un membre du comité du contenu du site Internet.

Les gagnants du concours de photographie seront annoncés sur le site Internet de la SEC et pourront être annoncés à la réunion annuelle de la SEC ou dans le *Bulletin*. Les photographies gagnantes et une sélection de toutes les soumissions seront affichées sur le site Internet.

Il n'y a aucune récompense financière pour les gagnants, mais les photographes seront remerciés dans chaque numéro où les photos seront imprimées.

La date limite de soumission est le **31 juillet 2012**. Les soumissions doivent être faites en pièces jointes d'un courrier électronique. L'objet du message doit débiter par « Soumission pour le concours de photographies de la SEC ». Envoyez vos courriels à : photocontest@esc-sec.ca

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Editor's note: Society Directors and Officers are reminded to check these lists, and submit corrections, including the names and positions of new officers.

Bulletin of the Entomological Society of Canada

Editor: Cedric Gillott
Assistant Editor: Julia Mlynarek

The *Bulletin of the Entomological Society of Canada*, published since 1969, presents quarterly entomological news, opportunities and information, details of Society business, matters of wider scientific importance and book reviews.

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Bulletin de la Société d'entomologie du Canada

Rédacteur: Cedric Gillott
Rédactrice adjointe: Julia Mlynarek

Le *Bulletin de la Société d'entomologie du Canada*, publié depuis 1969, présente trimestriellement des informations entomologiques, des occasions, des renseignements sur les opérations de la Société, des dossiers scientifiques d'importance et des analyses d'ouvrages.

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The last word / Le dernier mot

Cedric Gillott, Editor / Rédacteur



By the numbers

I'm an inveterate hoarder, whether it be bent nails that may someday be straightened for use, cardboard boxes (that may be useful for storing the bent nails in!), even e-mails and electronic files that may one day need to be reopened to recheck some long forgotten (and probably worthless) detail.

With this issue of the *Bulletin*, we celebrate a minor anniversary: it's the 10th version under my editorship. Not a huge number in comparison to the totals accumulated by my illustrious predecessors, but moving along nevertheless. So, what has it taken to produce and publish the approximately 600 pages starting in March 2010? (And here's where my hoarding habit pays dividends.)

Over the past 30 months, more than 4000 e-mails have been exchanged with contributors. For each issue, roughly 225 e-mails enter my inbox and about 180 are sent (the record under my tenure as editor being 307 in and 255 out for the June 2011 *Bulletin*). The latter included almost 30 going to *each* of two contributors (can readers guess which two they were?!). The folder for each issue includes between about 130 and 160 files; these include text files (raw and variously edited), images both jpeg and after conversion to tiff format, and usually several drafts of the InDesign and pdf

(continued on page 95)

Selon les chiffres

Je suis un amasseur invétéré, que ce soit des clous tordus qui pourraient être redressés, des boîtes de carton (qui peuvent servir à entreposer les clous tordus!), ou des courriels et fichiers électroniques qui pourraient être ré-ouverts pour vérifier des détails oubliés depuis longtemps (et probablement sans valeur).

Avec ce numéro du *Bulletin*, nous célébrons un anniversaire mineur : il s'agit de mon 10^e numéro comme rédacteur en chef. Pas un grand chiffre en comparaison au total accumulé par mes illustres prédécesseurs, mais néanmoins sur la bonne voie. Alors, qu'est-ce qu'il a fallu pour produire et publier environ 600 pages depuis mars 2010? (Et c'est là que mes habitudes d'amasseur paient en dividendes.)

Durant les 30 derniers mois, plus de 4000 courriels ont été échangés avec des contributeurs. Pour chaque numéro, environ 225 courriels entrent dans ma boîte de réception et 180 sont envoyés (mon record est de 307 entrants et 255 sortant pour le *Bulletin* de juin 2011). Ces derniers incluent environ 30 courriels pour *chacun* de deux contributeurs (est-ce que les lecteurs peuvent deviner qui sont ces deux personnes?!). Le dossier pour chaque numéro comprend entre 130 et 160 fichiers : cela inclut les fichiers de texte (bruts et édités à différents niveaux), les images en jpeg et converties en tiff, ainsi que les différentes versions InDesign et pdf qui seront éventuellement vues par les lecteurs.

Qu'est-ce que tous ces chiffres apportent? Peut-être pas beaucoup, à part indiquer le besoin de dire un gros 'merci' aux inventeurs des courriels! Si nous devons encore utiliser Postes Canada, la Société serait maintenant en faillite!

Une autre statistique intéressante est le nombre de copies de chaque numéro du *Bulletin* qui sont imprimées. Jusqu'à 2012, les acheteurs institutionnels de *The Canadian Entomologist*

(suite à la page 95)

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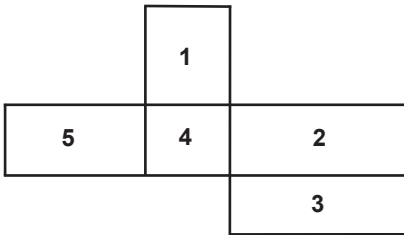
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Images

On the spine: A rarely observed robber fly, *Ommatius bromleyi* Pritchard (Diptera: Asilidae). Guadalupe Canyon, Arizona. Photo: S.A. Marshall

Beneath the title: Larva of a human botfly, *Dermatobia hominis* (Linnaeus, Jr.) (Diptera: Oestridae), excised from under the skin of a host, Costa Rica. Photo: W.B. Strong

1 A bee fly, *Bombylius aurifer* Osten Sacken (Diptera: Bombyliidae), wing-fanning on a leaf, Vernon, British Columbia. Photo: W.B. Strong

2 The Manual of Nearctic Diptera coordinators with German dipterist Willi Hennig, during his visit to the Diptera Unit of the Canadian National Collection of Insects (Ottawa) in fall of 1967. Back, left to right: Frank McAlpine, Herb Teskey, Guy Shewell; front, left to right: Monty Wood, Dick Vockeroth, Bobbie Peterson, Willi Hennig. Photo: Unknown

3 A soldier fly, *Caloparyphus decemmaculatus* (Osten Sacken) (Diptera: Stratiomyidae), New Mexico. Photo: S.A. Marshall

4 Head of Narcissus bulb fly, *Merodon equestris* (F.) (Diptera: Syrphidae), a species introduced to North America from Europe. Vernon, British Columbia. Photo: W.B. Strong

5 Courting/mating long-legged flies, *Dolichopus* Latreille (Diptera: Dolichopodidae), Copetown Bog, Wentworth Co., Ontario. Photo: S.A. Marshall.

Back cover: A soldier fly, *Odontomyia cincta* Olivier (Diptera: Stratiomyidae), near Elk Island National Park, Alberta. Photo: H.C. Proctor.

Français à l'intérieur de la couverture avant.

