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# Bulletin

Entomological Society  
of Canada

Société d'entomologie  
du Canada

Volume 35

No. 1

March-mars 2003

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*Entomological Society of Canada*  
*Société d'entomologie du Canada*

393 Winston Avenue, Ottawa,  
Ontario, Canada K2A 1Y8

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Date of issue / Date de publication:

March / mars 2003

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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.**

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## **SOCIETY BUSINESS / AFFAIRES DE LA SOCIÉTÉ**

### **Call for Nominations: Second Vice-President & Director-at-Large**

Nominations for Second Vice-President and Director-at-Large must be signed by three members in good standing and received by 30 April 2003 by the Secretary, Dr. Rick West.

Nominations pour Deuxième vice-président et Directeur doivent être signée par trois membres de la Société et envoyée avant le 30 avril 2003 au Secrétaire, Dr. Rick West.

### **Seeking New Editor-in-Chief for *The Canadian Entomologist***

The Entomological Society of Canada is seeking a replacement for its Editor-in-Chief for *The Canadian Entomologist*. The Editor-in-Chief has overall responsibility for the scientific and editorial integrity of the journal, and is responsible for publication of *The Canadian Entomologist*. The duties of the Editor-in-Chief have changed dramatically in the last year with the appointment of three Divisional Editors, each responsible for the scientific calibre of the contents of their assigned division and most editorial functions that were once the duties of the Editor-in-Chief.

This is one of the most important positions within the Entomological Society of Canada. If you are interested in serving in this critical position, please contact, Dr. Sandy Smith, President of the Entomological Society of Canada (for contact details see inside front cover).

### **53<sup>rd</sup> Annual General Meeting**

The Annual General Meeting of the Entomological Society of Canada will be held at The Grand Okanagan Lakefront Resort and Conference Centre, Kelowna BC 1 - 5 November 2003

L'Assemblée générale annuelle de la Société d'entomologie du Canada aura lieu à The Grand Okanagan Lakefront Resort and Conference Centre, Kelowna BC les 1 - 5 novembre 2003  
( <http://esbc.harbour.com/> )

*The Canadian Entomologist* and past issues of the *Memoirs* are available from the Ottawa office, and may be purchased by Mastercard, Visa, cheque or money order.

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The deadline for submissions to be included in the next issue, Vol. **35(2)**, is **1 May 2003**.  
La date limite pour recevoir vos contributions pour le prochain numéro (Vol. **35(2)**) est le **1 mai 2003**.

## **Notice of Executive Council Meeting**

The mid-term meeting of the Executive Council will be held at the Entomological Society of Canada office (393 Winston Ave., Ottawa) 12 April 2003. Matters for consideration at the above meeting should be sent to the Secretary at the address below.

La réunion de mi-session du Conseil exécutif aura lieu au Siège social de la Société d'entomologie du Canada le 12 avril, 2003. Veuillez faire part au Secrétaire de tout sujet pouvant faire l'objet de discussion à cette réunion en communiquant à l'adresse suivante:

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## **Bourdonnements**

Voici donc mon premier numéro en tant que rédacteur du Bulletin. J'aimerais féliciter Dan Johnson du travail exceptionnel qu'il a fait pendant ses deux ans à la rédaction et surtout le remercier de m'avoir aidé à me mettre sur pied dans le poste. J'aimerais aussi remercier tous ceux et celles qui ont pris le temps de contribuer des textes pour ce numéro. Ce bulletin est à vous, n'hésitez pas à me contacter si vous voulez y faire paraître quelque chose en particulier. J'ai déjà plusieurs idées pour du matériel neuf : une rubrique de petits conseils en recherche et en enseignement et une autre qui serait d'intérêt aux étudiants.



Certains d'entre vous lirez ce numéro en ligne, puisque 50% des membres ont opté pour recevoir le Bulletin uniquement en format électronique. De plus, 38% des membres ont choisi de recevoir *The Canadian Entomologist* sous forme électronique. Il y a eu un débat vigoureux au sein du conseil d'administration à savoir si le Bulletin devrait figurer dans la section publique de notre site Web, ou s'il devrait demeurer à l'intention des membres de la Société d'entomologie du Canada seulement. Qu'en pensez-vous? Faites-moi part de vos commentaires et je les ferai publier dans le prochain numéro du Bulletin.

Paul Fields  
Rédacteur du Bulletin

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## **The Buzz**

This is my first issue as Bulletin Editor. I would like to thank Dan Johnson for a doing a great job as Bulletin Editor for the last 2 years, and for helping me get up and running as Editor. I would also like to thank all the people that have taken the time to contribute to this issue. This is your Bulletin, please feel free to contact me with items that you would like to see in the Bulletin. I have a few ideas for new content for the Bulletin, such as columns on research tips, teaching tips and something that would be of interest to students.

Some of you will be reading this online, as 50% of the members have elected to receive the Bulletin only electronically. In the same vein, 38% of the members have elected to receive *The Canadian Entomologist* in electronic format. There has been considerable debate within the Governing Board as to whether the Bulletin should be available to the public on the web site, or should it be only available to the members of the Entomological Society of Canada. What do you think? Send me your comments, and I will publish them in the next issue of the Bulletin.

Paul Fields  
Bulletin Editor

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### **President's Midterm Report**

It hardly seems like four months ago that I assumed my new position at our AGM in Winnipeg. It was a great meeting with many significant seminars and exciting workshops. I would like to take this opportunity to thank all those involved in organizing the meeting, in particular members of the ESM who volunteered their time to make this such a success.



As time flies, I realize more and more that my role as President is not only to bring new perspectives and enthusiasm to the Society, but also, perhaps more importantly, to help channel the energy and ideas of all of you who make-up our shared entomological expertise and experience in Canada. One of my main tasks since the October meeting has been to appoint inspired individuals to the committees and chairs that run our Society. Their willingness to give of their time and become involved in these voluntary positions is truly impressive and much appreciated on my part.

Several issues remain outstanding from years past, and I hope over the next eight months to bring some resolution to a number of them. The most imperative is the matter of Editor for *The Canadian Entomologist*. Jean Turgeon, who has served the Society with much skill and commitment as Editor for the past four years, is stepping down in 2003, and it is essential that the right person be found to fill his footsteps. Although this task may seem daunting (given that Jean wears a 12+ shoe), if you know of someone appropriate, please let me know in the near future as the job really requires some overlap to run smoothly and maintain the momentum set by Jean.

There have been a few changes to our societal journal over the last year; most important has been our move to electronic publishing. As of January/February 2003, *The Canadian Entomologist* will now be available on-line through NRC Research Press. With this move we join many other top scientific journals in their electronic accessibility. Whether we go solely to electronic publishing in the future has yet to be resolved, recognizing the limitations that that would bring to the publication of papers by our taxonomic colleagues.

Copyright issues for the journal also appear to be on-going in that technically the ESC does not hold the copyright to any of the material it has published prior to 2001 (historically, copyrights rested with the individual authors or their estates). Over the coming year, I will be looking into

our position with respect to this and hope to provide some recommendations by the fall.

With the publication of this March issue, Paul Fields now becomes full-time Editor of the Bulletin. On behalf of the whole Society, I would like to thank him for taking on this challenge. One way you as members can make his job easier is to submit as many and as frequently as possible, news items, points-of-view, notice-of-meetings, job postings, etc., of interest to members for publication in the Bulletin. Perhaps some of your favourite entomological websites would be an appropriate start, with a brief review on their respective merits and weaknesses?

Our website (<http://esc-sec.org>) remains of prime concern and of course, profile for the Society. In recognition of this at our past AGM, we made our WebMaster (currently Barry Lyons) one of the Trustees of the Society, with all the rights and responsibilities of that position. Please take a few minutes to have a look at our site, if you have not already. There is great historical background as well as up-to-date information on awards and this coming year's AGM in BC. I would particularly like to thank Charles Vincent and his colleagues for their on-line Insect Photographs, which makes a wonderful contribution by providing more free bug images on the web, all courtesy of the ESC.

In closing, I would simply remind you to please keep your ears open (or more appropriately...eyes glued to the website!) for information on our next AGM in the Okanagan (2-5 November 2003). Plans are well underway with a number of workshops and symposia already planned. Just one of these, our successful student symposium initiated by Rob Bouchier two years ago, will return again this year, show-casing graduate students in 20-minute papers near the end of their research program. I hope to see you there.

Sandy

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### **Le rapport de la présidente à mi-période du mandat**

Déjà quatre mois depuis que j'ai assumé ce poste lors de l'AGA à Winnipeg! Ce fut une rencontre formidable, lieu de maintes colloques et ateliers importants et passionnants. Permettez-moi de remercier tous ceux et celles qui ont organisé cette rencontre, et plus particulièrement les membres de la SEM qui ont contribué tant d'heures pour en assurer le succès.

Avec le temps je me rends compte que ma tâche de présidente est non seulement celle d'apporter de l'enthousiasme et de nouvelles perspectives à la Société, mais aussi, et c'est là le plus important, de canaliser l'énergie et les idées de tous ceux et celles chez qui reposent l'expertise et l'expérience en entomologie au Canada. Une de mes tâches principales depuis la rencontre en octobre a été de nommer des personnes motivées aux comités et aux postes de la Société. J'apprécie beaucoup et je suis toujours étonnée par leur désir de contribuer leur temps et efforts à ces postes à titre de bénévoles.

Certains problèmes perdurent depuis plusieurs années et j'espère pouvoir en résoudre plusieurs au



cours des huit prochains mois. Le plus pressant est celui de la recherche d'un rédacteur en chef de *The Canadian Entomologist*. Jean Turgeon, qui depuis quatre ans a apporté à ce poste son expertise et un dévouement exemplaire, terminera en 2003. Il est essentiel de trouver un successeur à la hauteur. Ce ne sera pas chose facile (vu la grandeur de Jean), mais si vous songez à un candidat compétent, laissez-moi le savoir sans tarder puisqu'il faut créer un certain chevauchement afin d'assurer la continuité et maintenir l'essor que Jean a donné au poste.

Le bulletin de notre société a vu quelques changements au cours de l'année, dont le plus important est la transition vers la publication électronique. À partir de janvier/février 2003, *The Canadian Entomologist* est présentée en ligne à travers les Presses scientifiques du CRNC. Nous nous joignons ainsi à beaucoup d'autres publications scientifiques de qualité accessibles en ligne. Reste à savoir si nous passerons à la publication en ligne seulement, vu les contraintes que cela apporterait à la publication d'articles par nos collègues taxonomistes.

Un autre problème courant est celui des droits d'auteur pour le bulletin : en principe la SEC ne détient pas les droits d'auteur pour tout matériel publié avant 2001. (Par le passé l'auteur individuel ou sa succession retenait ces droits.) Au cours de l'année qui vient, j'ai l'intention d'examiner notre position à cet égard et de faire quelques recommandations d'ici l'automne.

À partir de cette édition du mois de mars, Paul Fields devient rédacteur à temps plein du Bulletin. Au nom de toute la Société d'entomologie j'aimerais le remercier d'avoir accepté de relever ce défi. Une bonne façon de lui rendre la tâche plus facile serait de lui soumettre, le plus souvent possible, reportages, opinions, annonces de réunions, postes vacants, tout ce qui pourrait intéresser les membres et qui est susceptible d'être publié dans le Bulletin. Pourquoi ne pas commencer par vos sites Web entomologiques préférés, avec une critique de leurs mérites et leurs faiblesses.

Notre site Web (<http://esc-sec.org>) demeure d'un intérêt majeur puisqu'il sert de vitrine pour la Société. Pour souligner cette importance, lors de la dernière AGA, notre webmestre (actuellement Barry Lyons) a été nommé au conseil d'administration, avec tous les droits et privilèges. Prenez donc quelques minutes pour naviguer notre site si vous ne l'avez jamais fait. C'est une source riche en renseignements historiques et d'information courante sur les prix et bourses ainsi que sur l'AGA qui aura bientôt lieu en Colombie-Britannique. J'aimerais remercier tout particulièrement Charles Vincent et ses collègues pour leur collection de photos d'insectes en ligne. C'est une très belle contribution en ce qu'elle fournit, sans frais, encore plus d'images d'insectes en ligne, une gracieuseté de la SEC.

Pour conclure, j'aimerais simplement vous rappeler d'ouvrir l'oreille (ou plutôt de tourner l'oeil vers le site Web) pour les détails de notre AGA dans l'Okanagan (du 2 au 5 novembre 2003). La planification est déjà bien entamée; plusieurs ateliers et symposiums sont déjà décidés. Par exemple, le symposium des étudiants, initié avec tant de succès par Rob Bouchier il y a deux ans, sera de retour. C'est l'occasion pour des étudiants en fin de programme de recherche de faire une présentation de 20 minutes. J'espère vous retrouver en grand nombre à cette rencontre.  
Sandy

**Joint Annual Meeting of  
The Entomological Society of Canada and  
The Entomological Society of British  
Columbia**



**The Grand Okanagan Lakefront Resort and Conference Centre  
Kelowna BC, November 1 – 5, 2003**

On behalf of the Entomological Societies of British Columbia and Canada we cordially invite you to attend the Joint Annual Meeting to be held in the beautiful Okanagan Valley of British Columbia.

The Grand Okanagan is a spectacular facility on the shores of Okanagan Lake in the downtown area of Kelowna. We have negotiated an excellent room rate with the hotel (\$99 regular, \$135 suite) and encourage you to stay there **and to tell them you are with the Entomology Society of Canada conference**. It is this room subscription that enables the organizers to provide this caliber of facility. Hotel reservations can be made at (800) 465-4651, or see their website at <http://www.grandokanagan.com/>.

The Okanagan Valley is the wine, fruit and recreation centre of British Columbia and provides a host of extracurricular activities. Kelowna is a thriving city with a population of about 100,000. It is easily accessible via several major airlines including Air Canada and Westjet, or is approximately a five-hour drive from Vancouver.

For information on some social activities associated with the meeting including dining, wine tours and golf, see <http://www.corkandcaddie.com/ESBCJAM.htm>.

The theme for this meeting will be **Insects in Shifting Environments**. This theme is meant to focus on two similar and topical issues: 1) invasive species 'shifting' to new environments and effecting a change, and 2) impacts on insects of 'shifting' environments such as climate or anthropogenic changes.

Several additional meetings are scheduled to take place in conjunction with the JAM including the Canadian Forum for Biocontrol, Western Forum on Pest Management, Western Committee on Crop Pests, Western Committee on Plant Diseases, and Mountain Pine Beetle Symposium. Keep an eye on our meeting webpage for further information as we continue to develop the program. It can be reached through the Entomological Society of British Columbia webpage at <http://esbc.harbour.com/> or the Entomological Society of Canada webpage at <http://esc-sec.org/>.

**For further information:** Dr. Terry Shore  
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[tshore@pfc.forestry.ca](mailto:tshore@pfc.forestry.ca)

## **Tentative Program**

### **Saturday, November 1**

08:30-17:00 ESC Governing Board Meeting  
Contact: Rick West, Secretary, ESC

### **Sunday, November 2**

13:00-14:15 Opening Session, ESC Awards, Gold Medal Address  
14:45-16:45 Plenary Session: *Insects in Shifting Environments*  
Moderator: Bernie Roitberg (Simon Fraser University)  
19:00-21:00 President's Reception (By invitation only)  
18:00-22:00 Student Mixer (no-host bar and food, Kelowna Curling Club)

### **Monday, November 3**

08:30-11:00 Symposium A: *Adaptations and constraints:  
A symposium in honour of Richard Ring*  
Moderators: Robb Bennett (BC Ministry of Forests)  
Neville Winchester (U. of Victoria)  
Symposium B: *Insects in a changing climate*  
Moderator: Richard Fleming (CFS, Sault Ste-Marie)  
11:00-13:00 Poster Session: Contributed and President's Prize  
Lunch provided  
13:00-16:30 Workshop A: *Resistance of two kinds: Insecticides and host plants*  
Organizers: Yvan Pelletier (AAFC, Fredericton)  
C. Vincent (AAFC, St-Jean-sur-Richelieu)  
President's Prize Papers – Concurrent Sessions  
19:30-20:30 Student Reception – Wine Museum  
20:30-22:30 General Reception – Wine Museum

### **Tuesday, November 4**

08:30-11:00 Symposium C: *Introduced species: Friends and foes and those we do not know*  
Moderator: Judy Myers (University of BC)  
Symposium D: *Biodiversity*  
Moderator: TBA  
11:00-12:30 Contributed Papers – Concurrent Sessions  
12:30-13:30 Lunch (on your own)  
13:30-16:30 Workshop B: *Ecology and Structure of Aphid Populations*  
Organizers: Kevin Floate (AAFC, Lethbridge)  
Bob Lamb (AAFC, Winnipeg)  
13:30-16:30 Contributed Papers – Concurrent Sessions

16:30-17:30 ESC Annual General Meeting  
18:30-19:30 No host bar  
19:30-22:00 Banquet and Entertainment

**Wednesday, November 5**

09:00-10:00 Heritage Lecture: Richard Ring  
10:00-10:30 ESBC Annual General Meeting  
10:30-12:00 Contributed Papers – Concurrent Sessions

**Associated Meetings**

Thursday-Friday  
October 30-31

**Mountain Pine Beetle Symposium**  
Contact: Terry Shore (CFS, Victoria)

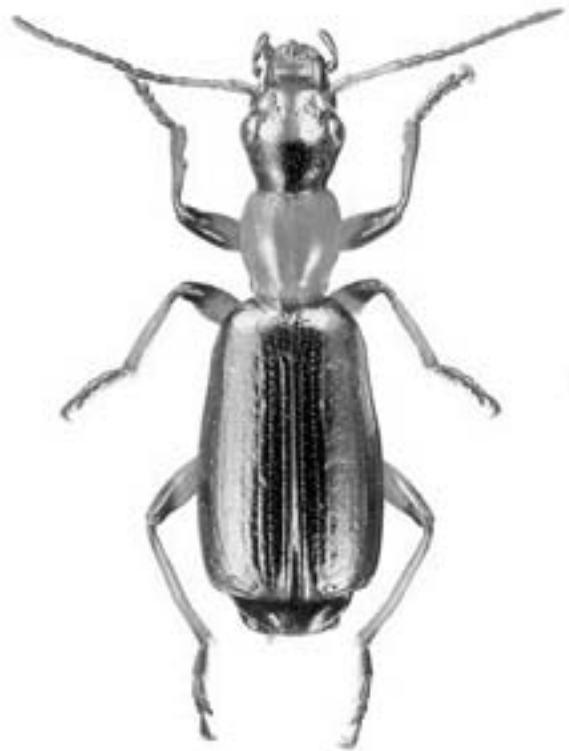
Thursday, October 30

**Canadian Forum for Biological Control**  
Contact: Rose DeClerke-Floate (AAFC, Lethbridge)

Friday - Saturday  
October 31- November 1

**Western Forum and Western Committees on Crop Pests and Plant Diseases**  
Contact: Hugh Philip, [hugh.philip@gems8.gov.bc.ca](mailto:hugh.philip@gems8.gov.bc.ca)

Photo by Henri Goulet  
from the ESC web site  
<http://esc-sec.org/>



**CALL FOR SUBMITTED PAPERS AND POSTERS**

This and additional information is available at: <http://esbc.harbour.com/jam.html>

**DEADLINE:** Postmarked 7 July 2003

**Categories of presentation:**

**Oral presentation – Regular, President’s Prize\***

**Poster presentation – Regular, President’s Prize\***

\*Students are eligible for the President’s Prize (1 per session) if:

- Currently enrolled in a degree program or have graduated from a degree program since the last annual meeting (October 2002)
- Registered at the meeting and have indicated the wish to participate in this category at the time the title and abstract were submitted
- The principal investigator and presenter of the paper or poster

**Language:** Presentations may be in French or English.

**Oral presentation:** 12 min + 3 min questions and discussion

Presentations in Powerpoint are encouraged. To minimize potential incompatibilities between the software versions you use to develop and we use to display these presentations, we recommend limited use of animation, use of common Windows fonts for text and symbol fonts for equations. Do not mail your presentation, but bring to meeting on diskette or CD after testing this copy on a different machine. If using 35 mm slides, please provide your own carousel. Please note method of presentation when submitting your abstract.

**Poster presentation:**

Posters can be set up on Sunday morning (November 2), and left in place for the duration of the meeting. Presenters are requested to attend their posters in particular during the designated poster session on Monday (November 3) from 11:30 – 12:15.

**Information required:** 1) Author(s) name(s), 2) name of presenter, 3) address 4) title, 5) abstract, 6) category, 7) language of presentation, and 8) method of presentation (Powerpoint or 35 mm slide). Submit this information by E-mail, on diskette or CD (Word or WP format). Abstracts should be 70 words or less. If longer than 70 words, the editors reserve the right to reduce accordingly. If possible, please provide your information in both French and English. All abstracts will be placed on the website.

***Please submit to Chair, Scientific Program***

Vince Nealis  
Pacific Forestry Centre  
506 W. Burnside Rd.  
Victoria, BC V8Z 1M5

Telephone: (250) 363-0663  
Fax: (250) 363-0775  
E-mail: [vnealis@pfc.forestry.ca](mailto:vnealis@pfc.forestry.ca)  
or [vnealis@nrcan.gc.ca](mailto:vnealis@nrcan.gc.ca)

## **Congrès Conjoint des Sociétés d'entomologie du Canada et de la Colombie-Britannique**



**Le Grand Okanagan Lakefront Resort et au Conference Centre  
Kelowna, CB, du 1-5 novembre 2003**

Au nom des Sociétés d'entomologie de la Colombie-Britannique et du Canada, nous vous invitons cordialement à assister au Congrès annuel conjoint qui aura lieu dans la splendide Vallée de l'Okanagan en Colombie-Britannique.

Le Grand Okanagan est un magnifique hôtel sur les bords du lac Okanagan au centre-ville de Kelowna. Grâce au nombre anticipé de réservations, nous avons négocié des prix plus qu'avantageux (chambre régulière \$99; suite \$135) pour des chambres de cette qualité. Nous vous encourageons donc à réserver dans cet hôtel et à **mentionner que vous venez à la conférence de la Société d'entomologie du Canada**. Les réservations pour l'hôtel peuvent se faire par téléphone au numéro sans frais (800) 465-4651 ou sur le site Internet de l'hôtel <http://www.grandokanagan.com/>.

La Vallée de l'Okanagan est le centre vinicole, fruitier et récréatif de la Colombie-Britannique et offre un éventail d'activités. Kelowna est une cité prospère. Sa population est d'environ 100,000 habitants. Elle est facilement accessible via toutes les lignes aériennes majeures incluant Air Canada et Westjet. Elle est approximativement à 5 heures de route de Vancouver.

Pour plus d'informations sur les différentes activités sociales associées au congrès (repas, tour des vignobles, et golf), veuillez consulter le site Internet suivant : <http://www.corkandcaddie.com/ESBCJAM.htm>.

Le thème de ce congrès sera **les insectes dans des milieux changeants**. Ce thème vise à faire le point sur deux sujets similaires et d'actualité : 1) Les espèces envahissantes qui s'établissent dans de nouveaux milieux en provoquant des changements, et 2) les impacts des changements comme le climat ou les changements du milieu découlant de l'activité humaine sur les insectes.

Plusieurs autres réunions auront lieu conjointement avec le JAM. Ce sont le Forum canadien pour la lutte biologique, le Forum de l'Ouest sur la gestion des ravageurs, le Comité de l'Ouest sur les ravageurs des cultures, le Comité de l'Ouest sur les maladies des plantes, et le Symposium sur le dendroctone du pin ponderosa.

Consultez fréquemment le site Internet du congrès pour plus amples informations puisque l'on continuera à développer le programme. Vous pouvez accéder à ce site par le site Internet de la Société d'entomologie de la Colombie-Britannique (<http://esbc.harbour.com/>) ou celui de la Société d'entomologie du Canada (<http://esc-sec.org/>).

**Pour plus  
d'information :**

Dr. Terry Shore,  
Président du comité organisateur JAM 2003  
SCF, 506 West Burnside Rd.  
Victoria CB V8Z 1M5

(250) 363-0666  
[tshore@pfc.forestry.ca](mailto:tshore@pfc.forestry.ca)

## **Programme provisoire**

### **Samedi, 1<sup>er</sup> novembre**

08:30-17:00 Réunion du comité directeur de la SEC  
Contact: Rick West, Secrétaire, SEC

### **Dimanche, 2 novembre**

13:00-14:15 Séance d'ouverture, prix et bourses de la SEC,  
mot du récipiendaire de la médaille d'or  
14:45-16:45 Séance plénière: *Insectes dans des milieux changeants*  
Modérateur: Bernie Roitberg (Université Simon Fraser)  
19:00-21:00 Réception du Président (sur invitation seulement)  
18:00-22:00 Soirée-rencontre des étudiants (bar payant et hors-d'œuvre, Kelowna Curling Club)

### **Lundi, 3 novembre**

08:30-11:00 Symposium A: *Adaptations et contraintes:*  
*Un symposium dédié à Richard Ring*  
Modérateurs: Robb Bennett (Ministère des forêts, CB)  
Neville Winchester (U. de Victoria)  
Symposium B: *Insectes dans un climat changeant*  
Modérateur: Richard Fleming (SCF, Sault Ste-Marie)  
11:00-13:00 Séance des affiches: ordinaires et en compétition pour le prix du président  
  
Dîner fourni  
  
13:00-16:30 Atelier A: *Résistance de deux types: Insecticides et plantes-hôtes*  
Organisateurs: Yvan Pelletier (AAC, Frédéricton)  
C. Vincent (AAC, St-Jean-sur-Richelieu)  
Présentation en compétition pour le prix du président –  
Séances concomitantes  
19:30-20:30 Réception des étudiants – Wine Museum  
20:30-22:30 Réception générale – Wine Museum

### **Mardi, 4 novembre**

08:30-11:00 Symposium C: *Espèces introduites:*  
*Amis, ennemis et ceux que l'on ne connaît pas*  
Modérateur: Judy Myers (Université de CB)  
Symposium D: *Biodiversité*  
Modérateur: TBA  
11:00-12:30 Présentations ordinaires – Séances concomitantes

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## INVITATION À SOUMETTRE DES COMMUNICATIONS ET DES AFFICHES

Cette information est aussi disponible à: <http://esbc.harbour.com/jam.html>

**DATE LIMITE:** Le 7 juillet 2003 (le cachet de la poste faisant foi)

### **Catégories de présentation:**

**Présentation orale – Ordinaire, Prix du président\***

**Présentation par affiches – Ordinaire, Prix du président\***

\*Pour être admissible au Prix du président (1 par séance), vous devez satisfaire aux conditions suivantes :

- Être inscrit à un programme de deuxième ou troisième cycle ou avoir terminé un tel programme après de dernier congrès (octobre, 2002)
- Être inscrit à la conférence et indiquer le désir de participer dans cette catégorie lors de la soumission de votre communication
- Être le chercheur principal et le présentateur de l'exposé ou de l'affiche

**Langue:** Les présentations doivent être en français ou en anglais.

**Présentation orale:** 12 min + 3 min de questions et discussion

Nous vous encourageons à créer des présentations Powerpoint. Afin de minimiser les chances d'incompatibilités entre la version de programme que vous utiliserez pour créer votre présentation et celle qui sera utilisé pour la présenter, nous vous conseillons de restreindre l'utilisation des animations, d'utiliser des caractères communs d'édition de Windows pour les textes et les caractères symboles pour les équations. Ne postez pas votre présentation, apportez-la au congrès sur une disquette ou un DC après avoir testé votre document à l'aide d'un autre ordinateur. Si vous utiliser des diapositives 35 mm, veuillez les placer dans un magasin circulaire. Veuillez indiquer la méthode de présentation lors de la soumission de la communication.

### **Présentation d'affiches:**

Les affiches peuvent être placées dimanche, le 2 novembre, et exposées pour toute la durée du congrès.

Nous demandons aux présentateurs d'être présents pour répondre aux questions particulièrement pendant la séance prévue à cet effet lundi le 3 novembre de 11:30 – 12:15 h.

**Informations requises:** 1) Nom(s) de(s) auteur(s), 2) nom du présentateur, 3) adresse, 4) titre, 5) résumé, 6) catégorie, 7) langue de la présentation, et 8) méthode de présentation (Powerpoint ou diapositives 35 mm). Soumettez ces informations par courriel, sur disquette ou DC en format Word ou WP. Les résumés ne doivent pas dépasser 70 mots. Si votre résumé dépasse la limite de mots acceptée, les éditeurs se réservent le droit de le couper. Si possible, envoyez ces informations en français et en anglais. Tous les résumés seront publiés sur le site Internet.

***Veuillez soumettre au  
président du programme  
scientifique:***

Vince Nealis  
Centre de foresterie du Pacifique  
506 W. Burnside Rd.  
Victoria, C.B. V8Z 1M5

Téléphone: (250) 363-0663  
Fac: (250) 363-0775  
Courriel:  
[vnealis@pfc.forestry.ca](mailto:vnealis@pfc.forestry.ca) ou  
[vnealis@nrcan.gc.ca](mailto:vnealis@nrcan.gc.ca)

**Entomological Society of Canada / Société d'entomologie du Canada  
Committees and Representatives 2002 - 2003 / Comités et Représentants 2002 - 2003**

**Standing committees / Comités permanents**

**Nominations / Nominations**

B. Roitberg, Chair, Burnaby  
R. Bennett, Victoria  
J. Delisle, Sainte-Foy  
S. Smith, *ex officio*, Toronto

**Elections / Elections**

R. Hallett, Chair, Guelph  
J. MacIntyre-Allen, Guelph  
A. Martin, Guelph  
S. Smith, *ex officio*, Toronto

**Continuing Committees / Comités en cours**

**Achievement Awards / Prix d'excellence**

C. Vincent, Chair, St.-Jean-sur-Richelieu  
Y. Pelletier, Fredericton  
R. Roughley, Winnipeg  
J. Spence, Edmonton  
S. Smith, *ex officio*, Toronto

**Annual Meeting / Réunion annuelle**

P. de Groot, Chair, Sault Ste. Marie  
S. Smith, *ex officio*, Toronto

**Bilingualism / Bilinguisme**

L. Royer, Chair, Corner Brook  
H. Chiasson, St.-Jean-sur-Richelieu  
F. Fournier, St.-Jean-sur-Richelieu  
M. Roy, Québec  
S. Smith, *ex officio*, Toronto

**Bylaws, Rules & Regulations / Règlements**

M. Goettel, Chair, Lethbridge  
N. Holliday, Winnipeg  
G. Boiteau, Fredericton  
S. Smith, *ex officio*, Toronto

**Finance / Finance**

J. O'Hara, Chair, Ottawa  
P. Mason, Ottawa  
D. Parker, Ottawa  
M. Sarazin, Ottawa  
G. Gibson, Treasurer, Ottawa  
S. Smith, *ex officio*, Toronto

**Headquarters / Siège social**

V. Behan-Pelletier, Chair, Ottawa  
J. Cumming, Ottawa  
G. Gibson, *ex officio*, Ottawa  
S. Smith, *ex officio*, Toronto

**Heritage / Patrimoine**

D. Eidt, Chair, Fredericton  
E. Becker, Ottawa  
S. Smith, *ex officio*, Toronto

**Insect Common Names /**

**Noms communs d'insectes**

H. Chiasson, Chair, St.-Jean-sur-Richelieu  
M. Roy, Sainte-Foy  
S. Smith, *ex officio*, Toronto

**Marketing / Comité du marketing**

L. Braun, Chair, Saskatoon  
H. White, Winnipeg  
O. Olfert, Saskatoon  
S. Smith, *ex officio*, Toronto

**Membership / Adhésion**

J. Sweeney, Chair, Fredericton  
T. Shore, ESBC, Victoria  
G. Pohl, ESA, Edmonton  
R. Elliot, ESS, Saskatoon  
P. MacKay, ESM, Winnipeg  
D. Hunt, ESO, Harrow  
N. Larocque, SEQ  
D. Giberson, AES  
S. Smith, *ex officio*, Toronto

**Publications / Publications**

A. Carroll, Chair, Victoria  
G. Boivin, St.-Jean-sur-Richelieu  
R. Bennett, Victoria  
P. DeGroot, Sault Ste. Marie  
P. Kevan, Guelph  
L. Gilkeson, Victoria  
D. Lyons, *ex officio*, Sault Ste. Marie  
J. Turgeon, *ex officio*, Sault Ste. Marie  
P. Fields, *ex officio*, Winnipeg  
S. Smith, *ex officio*, Toronto

**Science Policy and Education /  
Politique scientifique et éducation**

R. Lamb, Chair, Winnipeg  
K. Davey, Downsview  
P. Kevan, Guelph  
T. Shore, ESBC, Victoria  
R. Bouchier, ESA, Lethbridge  
R. Elliot, ESS, Saskatoon  
P. MacKay, ESM, Winnipeg  
D. Hunt, ESO, Harrow  
N. Larocque, SEQ, Laval  
G. Boiteau, AES, Deer Lake  
S. Smith, *ex officio*, Toronto

**Student Affairs / Affaires étudiantes**

T. Mousseau, Chair, Winnipeg  
B. Sarauer, Saskatoon  
C. Schmidt, Edmonton  
D. Gillespie, *ex officio*, Agassiz  
S. Smith, *ex officio*, Toronto

**Student Awards /**

**Prix aux étudiantes et étudiants**

D. Gillespie, Chair, Agassiz  
J. Delise, Ste-Foy  
D. Currie, Toronto  
N. Holliday, Winnipeg  
D. Larson, St. John's  
J. Myers, Vancouver  
T. Wheeler, Ste-Anne-de-Bellevue  
S. Smith, *ex officio*, Toronto

**Ad hoc Committees / Comites ad hoc**

**Joint Meeting Document**

T. Shore, Chair, Victoria  
J. Sweeney, Fredericton  
S. Smith, *ex officio*, Toronto



Photo by Christian Autotte from ESC web site  
[http://esc-sec.org/photo\\_archive/photo\\_archive.htm](http://esc-sec.org/photo_archive/photo_archive.htm)

## **Amendments to Bylaws and Standing Rules Approved**

Members voted overwhelmingly to approve changes to the Bylaws and Standing Rules in mailed balloting in December 2002. This approval now allows the Society to:

- 1) proceed with its new editorial structure in which Divisional Editors, assisted by Associate Editors, report to the Scientific Editor (Editor-in-Chief);
- 2) recognize the Divisional Editors and Webmaster as Trustees;
- 3) include the Student Representative as a member of the Governing Board.

Balloting was necessary because any changes to the Bylaws and Standing Rules must be approved by the general membership. The Bylaws are our Articles of Incorporation and generally describe the structure of the Entomological Society of Canada. Any Bylaw changes approved by the membership must also receive ministerial approval from Industry Canada and this approval is expected shortly. The Standing Rules describe the structure of ESC Committees and Governing Board, duties of Trustees and Employees, and the types of dues and Members. The Committee Guidelines provide detailed descriptions of the duties of ESC Committees and represent the third document governing the activities of the Society. Changes to the Committee Guidelines are approved by the Governing Board, but do not require approval by the general membership.

Rick West  
Secretary

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### **Poste vacant : Rédacteur ou Rédactrice en chef de *The Canadian Entomologist*.**

La Société d'entomologie du Canada est à la recherche d'un nouveau rédacteur ou rédactrice en chef pour *The Canadian Entomologist*. Le titulaire du poste est responsable de l'ensemble du journal; de sa publication ainsi que de son intégrité éditoriale et scientifique. Cette année, les tâches reliées au poste ont changé considérablement, depuis la nomination de trois rédacteurs, chefs de secteur, dont la responsabilité comprend le contenu et la qualité scientifique du domaine attribué, ainsi que la plupart des fonctions rédactionnelles qui jusqu'alors appartenaient au rédacteur en chef.

Il s'agit d'un des postes les plus importants au sein de la Société d'entomologie du Canada. Si vous désirez servir la Société dans ce poste déterminant, veuillez communiquer avec la présidente de la Société d'entomologie du Canada, Mme Sandy Smith, Ph.D.



# INDEX TO BIOGRAPHY OF ENTOMOLOGISTS IN CANADIAN PUBLICATIONS

## INDEX DES BIOGRAPHIES DES ENTOMOLOGISTES DANS LES PUBLICATIONS CANADIENNES

by / par

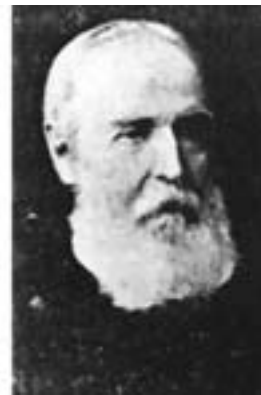
D.C. EIDT, P.W. RIEGERT & E.C. BECKER



Professor Henry Croft  
DCL, FCS



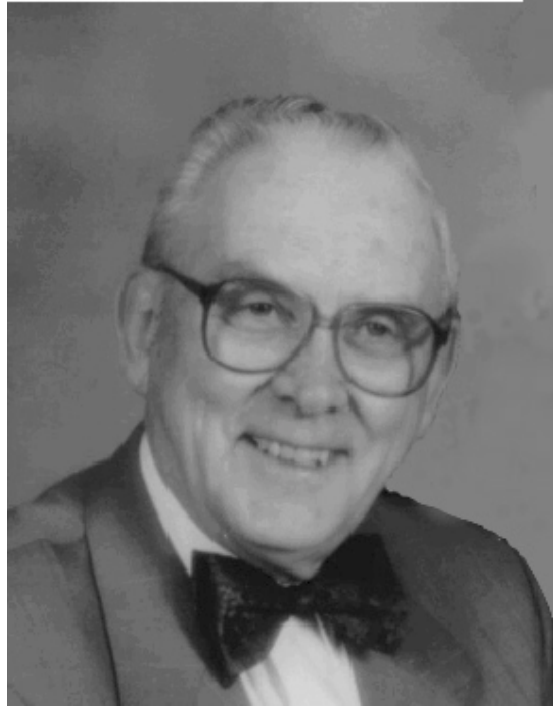
Charles J. S. Bethune  
MA, DCL



William Saunders  
CMG, LLD

The founding fathers of organized entomology in Canada .  
Les pères fondateurs de l'entomologie organisée au Canada.

Published by the Entomological Society of Canada  
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<http://esc-sec.org>



Paul W. Riegert

### Dedication

We, the surviving authors, dedicate the *Index to Biography of Entomologists in Canadian Publications* to the memory of Paul W. Riegert, Fellow and a former President of the Entomological Society of Canada, who died 9 May 2002. Paul was Chairman of the Heritage Committee from 1982 to 1995 and in this capacity and independently through his writings, did as much and perhaps more than anybody to preserve the heritage of the Society.

Douglas Eidt and Edward Becker

### Dédicace

Nous, les auteurs survivants, dédions *l'Index des Biographies des Entomologistes dans les Publications Canadiennes* à la mémoire de Paul W. Riegert, membre associé et ancien président de la Société d'entomologie du Canada, décédé le 9 mai 2002. Paul a siégé comme président du Comité patrimoine de 1982 à 1995. Dans l'exercice de ces fonctions et à travers ses écrits indépendants, il a contribué plus que tout autre membre à la conservation du patrimoine de la Société.

Douglas Eidt et Edward Becker

**INDEX TO BIOGRAPHY OF ENTOMOLOGISTS IN CANADIAN  
PUBLICATIONS**

**INDEX DES BIOGRAPHIES DES ENTOMOLOGISTES DANS LES  
PUBLICATIONS CANADIENNES**

by / par Douglas C. Eidt, Paul W. Riegert and Edward C. Becker

Bibliographic search for the works of entomologists is a fine art in which members of our profession are very accomplished. Learning about entomologists themselves is more difficult. Riegert (1980), a history of entomology in Western Canada, is the only book, to our knowledge, that reveals the personalities of Canadian entomologists as well as their accomplishments. Personal glimpses of many entomologists are found in the comprehensive review of Glen (1956) written on the occasion of the International Congress of Entomology in Montreal and that of Spencer (1964) written on the 100th anniversary of the Entomological Society of Canada. Alma Criddle (1973) gives a very personal look at the early western Canadian entomologist, Norman Criddle, and their pioneer family. Glen refers to the geographically limited reviews of Bethune (1898), Hewitt (1915), Gibson (1924), Lochhead (1904), Caesar (1938), Pickett and Payne (1938), Maheux (1939), and Gibson (1939). Entomological service by the federal government was reviewed in an unpublished manuscript by Gibson (1951). Accounts are scattered among various publications of Agriculture Canada (now Agriculture and Agri-Food Canada) in connection with its one hundredth anniversary in 1986: in addition to the comprehensive book "One Hundred Harvests" (Anstey 1986), booklets were written for most if not all their establishments, most of which supported some entomological activity.

Having spent considerable time searching for references to entomologists, we offer an index to those found in Canadian entomological periodicals to the end of year 2000, in hopes that it will save others having to tread the same difficult path. Some proceedings, such as those of the Acadian and Saskatchewan societies were distributed only to members with the caveat that citation without permission was not allowed.

La recherche bibliographique est un art dans lequel les entomologistes sont maîtres. Cependant, il est difficile d'obtenir des renseignements sur les entomologistes eux-mêmes. À notre connaissance, le livre de Riegert (1980), une histoire de l'entomologie dans l'Ouest canadien, est le seul qui révèle tant la personnalité que les réalisations des entomologistes canadiens. Un aperçu personnel de plusieurs entomologistes peut cependant être trouvé dans le compte rendu détaillé de Glen (1956) écrit à l'occasion du Congrès international d'entomologie tenu à Montréal et dans l'article de revue écrit par Spencer (1964) pour le 100<sup>ième</sup> anniversaire de la Société d'entomologie du Canada. Alma Criddle (1973) a aussi porté un regard tout personnel sur Norman Criddle, un des premiers entomologistes de l'Ouest canadien, et de sa famille de pionniers. Glen cite différentes revues dont le sujet est limité géographiquement: Bethune (1898), Hewitt (1915), Gibson (1924), Lochhead (1904), Caesar (1938), Pickett et Payne (1938),

Maheux (1939), et Gibson (1939). Le personnel de la section d'entomologie du gouvernement fédéral a été inventorié dans un manuscrit non publié écrit par Gibson (1951). Des comptes rendus épars peuvent être retrouvés dans diverses publications d'Agriculture Canada (maintenant Agriculture et Agroalimentaire Canada) produites lors du centième anniversaire en 1986. En plus d'un livre détaillé "One Hundred Harvests" (Anstey 1986), des brochures incluant une section dédiée à l'entomologie ont été publiées par la plupart des établissements gouvernementaux.

Ayant investi une quantité considérable de temps à la recherche de références sur les entomologistes, nous vous offrons un index de celles que nous avons trouvé dans les périodiques canadiens d'entomologie jusqu'à la fin de l'année 2000, en espérant que ce condensé d'information permettra de sauver du temps à ceux et celles qui voudront parcourir à leur tour ce sentier parsemé d'embûches. Quelques comptes rendus de congrès, tels ceux des sociétés acadiennes et de la Saskatchewan, sont distribués seulement aux membres de ces sociétés ce qui causent certains problèmes de permission lorsqu'on veut les citer.

**The publications searched (with abbreviations used) were: / Les publications consultées et les abréviations utilisées sont :**

- AB** - *Proceedings of the Entomological Society of Alberta* (1908 to date / jusqu'à présent)  
**Ab** - *Acadian Entomological Society Bulletin* (only four issues published, in 1995-96 / seulement quatre numéros publiés, en 1995-96)  
**Ac** - *Proceedings of the Acadian Entomological Society* (1915-1924, 1961 to date / jusqu'à présent, / with lapses / avec quelques arrêts) (*Proceedings of the Nova Scotia Entomological Society* until 1920 / jusqu'en 1920)  
**An** - *Antennae* (remplace le / replaced / *Bulletin de la Société d'entomologie du Québec* 1994 à jour / after 1994)  
**BC** - *Journal of the Entomological Society of British Columbia* (1911 to date / de 1911 jusqu'à présent) (*Proceedings* until 1980 / *proceedings* jusqu'à présent)  
**Bo** - *Boreus* (newsletter of the Entomological Society of British Columbia, 1981 to date / bulletin de de la ESBC jusqu'à présent)  
**Bu** - *Bulletin of the Entomological Society of Canada* / *Bulletin de la Société d'entomologie du Canada* (1969 to date / de 1969 jusqu'à présent)  
**CE** - *The Canadian Entomologist* (1869 to date / de 1869 jusqu'à en 1980)  
**EN** - *Entomology Newsletter* (Division of Entomology News Letter, Entomology Division News-letter) (1951-1969; a mimeographed internal document before 1951, mostly irrelevant to this index / un document interne ronéotypé avant 1951, peu pertinent). Contains a myriad of brief entries under the headings of appointments, transfers, separations, etc., few of which are noted in this index / Il contient une myriade de notes brèves dans des sections traitent de nominations, transferts, départs, etc. don't peu sont cités dans cet index.  
**ME** - *Manitoba Entomologist* (1967 to 1979 / de 1967 à 1979)  
**MB** - *Proceedings of the Entomological Society of Manitoba* (1945 to 1992 / de 1945 à 1992)



- ON** - *Proceedings of the Entomological Society of Ontario* (1869 to date / jusqu'à présent)  
(*Annual Report of the Entomological Society of Ontario* until 1958 / jusqu'en 1958)
- OL** - *Entomological Society of Ontario Newsletter* (1996 to date / jusqu'à présent). An informal letter before 1996 / Une lettre irrégulier avant 1996.
- Qb** - *Bulletin de la Société d'entomologie du Québec* (1983-1994)
- QC** - *Annales de la Société d'entomologie du Québec* (1956-1983) renommée *Revue de la Société d'entomologie du Québec* au v. 29 / renamed with v. 29 (1984-1992)
- Sb** - *Bulletin of the Entomological Society of Saskatchewan* (irregular / irrégulier, 1980 to date)

*Quaestiones Entomologicae*, *Mem. ESC* and *Mem. Soc. ent. Québec* contain no biographical references. *Tableau* (a Research Branch, Agriculture Canada, newsletter, 1970-1987) is indexed separately from the above entomological journals and newsletters because it was concerned with all agricultural disciplines only within the Research Branch. Outsiders were mentioned (and indexed) as visiting scientists, participants in courses, and other Branch activities.

*Quaestiones Entomologicae*, *Mem. ESC* et *Mém. Soc. ent. Québec* ne contiennent aucune référence biographique. *Tableau* (section de la recherche, Agriculture Canada, Bulletin, 1970-1987) est répertorié séparément des journaux et bulletins ci-dessus mentionnés parce qu'il concerne seulement les disciplines agronomiques de la section de la recherche. Les gens venant de l'extérieur sont mentionnés et répertoriés comme étant des scientifiques invités, des participants à des cours, et activités d'autres sections.

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Included are full biographies such as retirements, photos, and awards, obituaries, and also brief notices of honours, appointments, promotions, etc. and deaths and retirements where full accounts were not found, but not travel, papers given, etc. unless these have some special significance. We know there will be omissions and errors in the list; it is next to impossible to check every entry.

Cette section inclut les biographies complètes telles les retraites, photos, récompenses, les notices nécrologiques, et aussi de brèves mentions honorifiques, nominations, promotions, etc., mais les voyages, présentations orales, etc., ne sont pas inclus, sauf s'il s'agit d'un événement marquant. Nous savons que cette liste souffre de certaines omissions et erreurs; il est presque impossible de vérifier chacune des données.

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 Harper, A.M. **Bu** 20(1):20  
 Harrington, Walter. **Bu** 32:77  
 Harrington, W.H. **CE** 50:181 **ON** 19:113,fr  
 Harris, C.R. **Bu** 13:150 **OL** 3(2):3  
 Harris, Peter. **Bu** 29:148  
 Harrison, R.J. **QC** 23:75,77  
 Harvey, George. **Bu** 23:23  
 Harvey, R.V. **BC** 8:28 **Bo** 6(1):2  
 Hawboldt, L.S. **Bu** 29:89  
 Haynes, D.L. **Ac** 1965:25  
 Hearle, Eric. **EN** 33(11) **CE** 66:169 **BC** 31:6 **Bo** 9(1):3  
 Heath, E.F. **CE** 46:299

Hebért, Christian. **An** 6(3):12  
 Hedley, G.J. **Bu** 8(1):19  
 Hegdekar, B.M. **EN** 45(9)  
 Heming, B.S. **AB** 24:29  
 Heming, W.E. **Bu** 2:17 **ON** 110:1  
 Henne, Don. **MB** 48:119  
 Hennessey, F.C. **En** 22(10)  
 Herbert, H.J. **Bu** 15:147  
 Heriot, A.D. **EN** 37(7)  
 Heron, J.H. **Bu** 19:50; **MB** 42:22  
 Hewitt, C.G. **EN** 1(3); 33(3) **CE** 52:97 **Bu** 6:10 **ON** 46:fr  
 Hikitchi, A. **EN** 45(6)  
 Hicks, S.D. **Bu** 15:79  
 Hilton, Stephanie (Turnbull). **OL** 3(2):2  
 Hind, Y.H. **MB** 15:51  
 Hinks, C.F. **EN** 47(1)  
 Hobbs, G.A. **Bu** 9:70 **AB** 24:33 **ON** 108:1  
 Hocking, Brian. **Bu** 5:36,70; 6:41 **ON** 105:4  
     **AB** 21:5; 22:36  
 Hodges, R.E. **Bu** 13:19  
 Hoffman, O. **CE** 32:118  
 Holland, G.P. **EN** 45(8) **CE** 99:1120 **Bu** 5:68; 11:30;  
     17:121; 18:71 **Bo** 6(1):8 **AB** 27:35  
 Holling, C.S. **Bu** 2:50 **CE** 99:335  
 Hooper, Ron. **Sb** 17(1):1  
 Hopping, George R. **En** 43(1) **Bu** 6:96  
     **AB** 12:21; 22:39 **BC** 38:2  
 Hopping, Ralph. **En** 22(10); 37(11)  
 Horeczko, Nataalka. **AB** 20:41  
 Horn, G.H. **CE** 17:73; 30:46  
 Horsborough, Robert. **Ac** 68:40  
 Horton, D.R. **Bu** 30:81  
 Houseman, Jon. **ON** 110:1  
 Howard, C.W. **CE** 60:101  
 Howard, L.O. **CE** 48:43  
 Huard, l'Abbé V.A. **CE** 45:84 **QC** 6:148  
 Hubbard, H.G. **CE** 31:72  
 Hubbert, Rev. J. **CE** 4:141  
 Hübner, Jacob. **CE** 11:79  
 Hockett, H.C. **Bu** 21:147  
 Hudon, Marcel. **Bu** 12:37  
 Hudson, F.J. **EN** 41(11)  
 Hudson, H.F. **CE** 47:49  
 Huffaker, C.B. **Bu** 13:147; 14:76  
 Hughes, K.M. **Bu** 12:40  
 Hulst, Rev. G.D. **CE** 32:369  
 Humble, Lee. **Bo** 5(2):11  
 Hunt, David. **OL** 2(2):2  
 Hunter, Fiona. **Bu** 21:79  
 Huot, Lucien. **Bu** 9:81; 13:75 **QC** 20:119,121  
 Hutchinson, Raymond. **Qb** 17:11

Hurtig, Henry. **Bu** 6:24; 7:45 **ON** 105:4

**I**

Ide, F.P. **Bu** 28:15

Imms, A.D. **CE** 81:215

Inglis, J.D. **BC** 44:35

Isman, M.B. **Bu** 23:195,196

**J**

Jacob, J.K. **BC** 38:4

Jacobson, L.A. **Bu** 28:82 **Bu** 3:30

James, Hedley. **EN** 47(2) **ON** 106:1

James, M.T. **Bu** 14:145

Janjic, Jessica. **OL** 4(2):3

Janmaat, Alida. **Bu** 28:16

Jaques, R.P. **Ac** 1967:32

Jarrett, Jeff. **Bo** 20(1):2

Jarvis, T.D. **ON** 41:fr

Jay, S.C. **Bu** 16:79; 23:24

Jobin, Luc. **Bu** 20:49 **An** 1(1):10 **QC** 25:59,61

Johnson, A.F. **ON** 96:126

Johnson, D.L. **Bu** 24:211 **AB** (1993)16

Jordan, K. **EN** 37(2)

Juillet, Jacques. **Qb** 13:13

Judd, W.W. **Bu** 13:110

**K**

Kanagaratnam, P. **Bu** 24:112

Kasting, Robert. **AB** 22:45

Katznelson, Harry **EN** 43(3)

Kearfott, W.D. **CE** 50:71

Keddie, B.A. **Bu** 22:137

Keen, Rev. J.H. **Bo** 8(2):4

Keenan, W.N. **EN** 38(4,5) **CE** 96:76 **Bu** 12:40

**ON** 110:1

Keita, S.M. **An** 7(3):24

Kellicott, D.S. **CE** 30:166 **ON** 29:105

Kelsall, Arthur. **Bu** 7:97 **Ac** 1974:4

Kettela, E.G. **Bu** 29:67 **Ac** 1967:31; 1968:40

Kevan, D.K.McE. **Bu** 13:70; 19:45; 20(4):48; 23:22;

23:111 **Qb** 16:6 **AB** 29:26

Kevan, Peter. **Bu** 25:18

Kimball, Charles. **Bu** 14:49

King, K.M. **EN** 35(10); 36(8) **Bu** 28:82 **Bo** 15(1):5

King, Lt. Vernon. **CE** 50:314

King, Richard. **MB** 15:50

Kirby, W.W. = Kirkby, W.W.

Kirkby, Archdeacon W.W. **MB** 15:51

Kirtland, J.P. **CE** 10:30 **ON** 9:23

Kiteley, E.J. **Bu** 19:53

Kitto, Victor. **CE** 81:304

Klassen, Paul. **Bu** 30:67

Klassen, Waldemar. **ON** 93:138 **AB** 20:41

Koohpayehzadeh, Nader. **An** 7(3):24

Kozial, John. **Bu** 14:214

Kring, J.B. **Bu** 14:41; 23:22

Kühnelt, Wilhelm. **Bu** 21:13

Kukalova-Peck, Jarmila. **Bu** 28:147

Kuperus, Wanda. **Bu** 25:178

**L**

LaChance, Simon. **Bu** 31:160

Lacordaire, J.T. **CE** 2:136

Lactin, Derek J. **Bu** 21: 90 **MB** 44:25

LaForge, Marlène. **Bu** 30:160 **An** 6(1)20

Lafrenière, Rhéal. **MB** 46:25

Laing, J.E. **Bu** 15:148

Laliberté, Frère Firmin. **Bu** 21:13 **An** 3(1):16

Lambers, H.R. **Bu** 16:59

Lambert, Robert. **EN** 35(12) **QC** 4:83

Lampert, E.P. **Bu** 14:13

Landry, Bernard. **Bu** 23:109

Landry, J.F. **Bu** 13:153

Langor, D.W. **Bu** 27:207; 28:15

LaPlante, Serge. **Qb** 18:5

Lapp, W.R. **EN** 41(11)

Larson, D.J. **AB** 20:41

Larson, Ruby. **AB** 27:29; (1998):23

Lazorko, Walter. **Bu** 19:79 **Bo** 7(1):10; 9(2):15

LeBlanc, N.N. **ON** 92:215

Leech, D.H. **BC** 44:36

Leech, Robin. **Bu** 12:51

LeConte, J.L. **CE** 15:217 **ON** 14:83

LeGloire, M.P. **QC** 2:87

Leius, Kaarel. **EN** 41(1)

Lejeune, R.R. **Bu** 21:49

leMaistre, W.G. **AB** 4:14

Lembert, J.B. **CE** 28:217

Lemieux, Jeff. **Bu** 28:122

Leonard, D.E. **Bu** 13:48

Léopold, Rév. Père. **EN** 38(11) **CE** 79:61

**QC** 7:108

Letourneau, J.A. **Bu** 2:39

LeRoux, E.J. **EN** 46(4) **Bu** 10:44; 18:103; 20(4):45

**QC** 11:1 **Qb** 13:10 **AB** 3444

Levin, D.B. **Bu** 11:5

Lewis, Kornelia. **Bo** 14(2):10

Liard, François. **Bu** 20(4):46

Lindgren, B.S. **Bu** 16:52; 26:213 **Bo** 15(1):5  
 Lindroth, Carl. **Bu** 11:38  
 Lindsay, L.R. **MB** 43:19  
 Lintner, J.A. **CE** 12:160; 30:165 **ON** 29:106  
 Livingstone, C. **BC** 8(old series):1  
 Llewellyn-Jones, J.R.J. **BC** 52:47 **Bo** 4(1):2  
 Loan, C.C. **Bu** 31:94, 95  
 Lochhead, W. **EN** 34(5) **CE** 59:121 **ON** 35:fr; 58:86;  
**QC** 11:105  
 Loew, H. **ON** 10:9  
 Loschiavo, Sam. **Bu** 20(4):33; 21:11  
 Lord, F.T. **Bu** 3:73  
 Lucarotti, Chris. **Bu** 21:80  
 Lucas, Eric. **Bu** 23:210  
 Lugger, Otto. **ON** 32:125  
 Lutz, F.E. **CE** 76:69  
 Lyman, H.H. **EN** 37(6); **CE** 32:1; 46:221; 80:21;  
 96:1489 **ON** 29:106; 30:123; 45:118 **QC** 6:150  
 Lyons, L.A. **Bu** 18:75  
 Lysyk, T.J. **Bu** 28:150

**M**

MacCarthy, H.R. **Bu** 21:144; 22:41; 28:15 **Bo** 12(1):8;  
 15(2):6; 16(1):3  
 Macdonald, Ross. **Ac** 1968:40  
 MacDonald, Scott. **OL** 1(2):3  
 MacGillivray, M.E. **Bu** 8(4):1; 13:84; 29:66  
 MacIntyre, Jen **OL** 3(2):4  
 Mackauer, Manfred. **Bu** 21:141,142; 29:153  
**Bo** 9(2):13; 17(2):9  
 MacKay, Andrew. **MB** 47:18; 48:119  
 MacKay, Margaret. **Bu** 7:60  
 MacLellan, C.R. **Bu** 11:25; 29:66  
 MacNay, C.G. **EN** 44(6)  
 Madge, R.B. **AB** 20:41  
 Madsen, H.F. **Bu** 10:44; 19:99;  
**Bo** 6(2):9; 7(1):10; 20(2):5  
 Maheux, Georges. **EN** 35(8) **Bu** 9:138; **ON** 108:1  
**QC** 19:28,35  
 Mailloux, M.M. **An** 5(1):33  
 Maltais, J.-B. **EN** 41(9) **Bu** 15:79 **QC** 19:32  
 Manson, G.F. **EN** 45(5) **Bu** 5:69; 16:85  
 Marks, Donald. **Bu** 18:35  
 Marmont, L.E. **BC** 45:32  
 Marshall, James. **EN** 41(10); 42(11) **Bu** 17:19; 29:80  
 Marshall, S.A. **Bu** 21:139, 140  
 Martineau, René. **An** 5(2):24; 6(2):9 **Bu** 32:4 **QC** 10:1  
 Martel, R.K.B. **Bu** 24:51  
 Martineau, René.  
 Martin, Hubert. **EN** 39(3)

Martin, R.J. **Bu** 16:15  
 Marx, George. **CE** 27:116, 272  
 Masner, Lubomir. **Bu** 31:146,148  
 Mason, Tom. **OL** 2(2):3  
 Mason, W.R.M. **Bu** 24:82; 25:113  
 Matsuda, Ryuichi. **EN** 47(1) **Bu** 18:99  
 Maw, M.G. **Bu** 22:213; **Sb** 8(1):9  
 Maxwell, C.W.B. **EN** 47(2) **Bu** 21:12, 51  
 Maybee, George. **Bu** 19:53  
 McAllan, J.W. **EN** 47(3) **Ac** 1969:34  
 McAuslane, H.J. **MB** 40:16  
 McBride, M.R. **Bu** 16:132  
 McCarthy, J.A. **Bu** 26:212  
 McClanahan, R.J. **Bu** 19:47  
 McCollom, A.E. **Bu** 31:96  
 McDaniel, I.N. **Ac** 68:38  
 McDonald, Howard. **Bu** 5:43  
 McDonald, Stuart. **Bu** 20(1): 22  
 McDunnough, J.H. **EN** 33(10); 40(4) **CE** 94:1094  
**ON** 93:140  
 McElligott, Paul. **Bu** 21:90  
 McEwen, F.L. **Bu** 15:83 **AB** 31:42  
 McFadden, M.W. **AB** 20:41  
 McFarlane, J.E. **Bu** 27:100 **An** 2(2):23  
 McGinnis, A.J. **EN** 44(8)  
 McGregor, M.D. **Bu** 22:212 **Bo** 10(2):16  
 McGugan, B.M. **EN** 45(3)  
 McInnes, M.J. **EN** 37(4)  
 McIntyre, Jennifer. **Bu** 31:160  
 McIver, S.B. **Bu** 10:33; 13:150; 15:104; 16:79;20(4):45  
 McKellar, Hugh. **CE** 61:288  
 McLaine, L.S. **EN** 33(4) **CE** 76:1  
 McLean, E.B. **Bu** 19:79 **MB** 43:19  
 McLeod, J.H. **EN** 39(4,10)  
 McLintock, J.J.R. **Bu** 14:144  
 McMullen, L.H. **Bu** 22:40 **Bo** 5(1):6; 5(2):11; 9(2):12  
 McMullin, L.H. **Bu** 17:36  
 McNeil, J.N. **Bu** 11:32; 19:71,73 **An** 1(1):15; 2(1):22;  
 3(1):11, 26; 7(3):12 **QC** 24:67,69 **AB** 27:35  
 Meade-Waldo, Geoffrey. **CE** 48:196  
 Melsheimer, Rev J.F. **CE** 6:39; 17:20  
 Menke, Arnold. **Bu** 13:19  
 Merrick, F.A. **CE** 45:170  
 Messenger, P.S. **Bu** 8(4):20  
 Miller, C.A. **Bu** 14:47  
 Miller, Dan. **Bu** 26:207  
 Miller, Douglas. **Bu** 15:39  
 Miller, E.H. **AB** 20:41  
 Miller, L.A. **EN** 38(3)  
 Milliron, H.E. **Bu** 5:90  
 Mills, Louis. **MB** 40:16



Minter, E. **EN** 39(11)  
 Mitchener, A.V. **EN** 36(3); 40(7) **ON** 93:139  
     **MB** 18:5  
 Mitchell, B.K. **Bu** 16:52  
 Moeser, F.E. **CE** 46:268  
 Moffat, J.A. **CE** 33: opp. p.1; 36:84  
     **ON** 31:fr; 35:109,fr  
 Moilliett, T.A. **BC** 43:43 **Bo** 7(2):2; 14(2):10  
 Monro, H.A.U. **QC** 16:90  
 Mook, L.J. **Ac** 1967:31  
 Moore, G.A. **EN** 37(10), 44(6) **CE** 80:22; 96:1490,  
     98:895; **ON** 96:128 **QC** 11:293  
 Moore, H.W. **Bu** 21:56  
 Morewood, Dean. **Bo** 20(2):13  
 Morgan, C.V.G. **Bu** 7:9  
 Morgan, G.T. **EN** 45(1) **Ac** 1967:31  
 Morisset, Paul. **QC** 15:121  
 Morris, F.J.A. **CE** 82:90 **ON** 49:39  
 Morris, Ozzie. **Bu** 24:81  
 Morris, Ray F. **Bu** 18:36 **AB** 11:23  
 Morris, R. Franklin. **CE** 95:222 **Bu** 8(4):14; 31:98  
 Morrison, F.O. **Bu** 8(2):10 **ON** 107:1 **QC** 22:67  
 Mosher, Edna. **Bu** 5:143  
 Mountain, W.B. **EN** 42(5)  
 Mouton, J-F. **An** 7(3):24  
 Mukerji, M.K. **EN** 45(4); 24:113  
 Munro, H.A.U. **Bu** 2:84 **ON** 101:96  
 Munroe, D.D. **Bu** 11:60  
 Munroe, E.G. **CE** 98:896 **Bu** 14:70; 19:90  
     **AB** 30:38  
 Murray, Andrew. **CE** 10:32 **ON** 9:24  
 Murray, William. **CE** 17:78; **ON** 16:23  
 Murtfeldt, M.E. **CE** 45:157  
 Myles, Tim. **OL** 2(2):3

**N**

Nagy, Béla. **Bu** 10:10 **ON** 109:1  
 Nair, K.K. **Bu** 26:116 **Bo** 14(1):6  
 Nairn, L.D. **Bu** 23:114  
 Neary, M.E. **Bu** 22:106  
 Neatby, K.W. **EN** 37(1)  
 Neave, Ferris. **Bo** 10(1):2  
 Nebeker, T.E. **Bu** 14:13  
 Neilson, M.M. **Bu** 31:157 **Ac** 1969:35  
 Neilson, W.T.A. **Ac** 1965:25  
 Nelson, W.A. **AB** 32:1  
 Neumoegen, Berthold. **CE** 27:116  
 Nguyen, Duyen. **Bu** 26:211

**O**

Oliviera, D. de. **Bu** 31:97  
 Olson, R.E. **Ac** 1968:38  
 O'Neil, Louis-C. **QC** 21:123, 125  
 Ormerod, E.A. **CE** 32:108; 33:241 **ON** 32:121,fr  
 Ormerod, G.E. **CE** 28:290 **ON** 27:112  
 Osburn, R.H. **ON** 98:66  
 Osgood, C.E. **EN** 46(3)  
 Osgood, E.A. **Ac** 1968:38  
 Osten-Sacken, C.R.von **CE** 4:156; 35:344; 38:238  
 Otis, G.W. **OL** 4(2):1  
 Ouellet, Fr. Robert. **CE** 85:79  
 Ouellet, Joseph. **An** 6(2):12

**P**

Painter, R.H. **EN** 41(11); 43(6) **Bu** 2:85 **AB** 12:22; 19:31  
 Panton, J.H. **CE** 30:77 **ON** 29:105  
 Paquin, Pierre. **An** 5(1)32  
 Paradis, R.O. **An** 4(1):14; 7(2):11 **QC** 18:123,124  
 Pardy, K.E. **Ac** 1969:34 **Ab** 1:3  
 Parent, Benoit J. **Bu** 8(2):11; 107:1 **QC** 22:63  
 Patterson, A.M. **BC** 34:63  
 Patterson, N.A. **EN** 44(10) **Bu** 3:11  
     **Ac** 1967:32; 1968:40; 1969:36; 1970:8  
 Paul, L.C. **Bu** 21:18  
 Peck, G.W. **CE** 41:220  
 Peck, Oswald. **EN** 47(3)  
 Peddle, Shawna. **OL** 3(2):4  
 Pengelly, D.H. **Bu** 14:76 **ON** 110:2; 116:iv  
 Pergande, Theodore. **CE** 48:213  
 Pernal, S. **MB** 45:209; 46:23  
 Perrin, Joseph. **CE** 69:19  
 Perron, J.-P. **Bu** 5:38  
 Perron, J.-M. **An** 6(1):20  
 Petch, C.E. **EN** 42(2); 34(11)  
 Pettit, Johnson. **CE** 30:108 **ON** 29:105  
 Phillip, Hugh. **Bo** 15(2):6  
 Phillips J.H.H. **Bu** 19:64 **ON** 118:173  
 Philogène, Bernard. **Bu** 18:97  
 Pickett, A.D. **EN** 44(9) **Bu** 23:198; 29:76  
     **Ac** 1965:26  
 Pickett, Catherine. **ON** 95:151  
 Pickford, Roy. **Bu** 20(4):43  
 Pickles, Margaret. **OL** 4(2):3  
 Pielou, E.C. **Bu** 13:118  
 Pielou, D.P. **Bu** 5:35,112  
 Pilon, J-G. **An** 2(3):14  
 Pivnick, K.A. **Bu** 17:109

Pohl, Greg. **Bu** 22:69  
 Poirier, Lisa. **Bo** 13:10  
 Pollock, Darren. **Bu** 20(1):20  
 Pond, D.D. **Bu** 7:44  
 Prebble, M.L. **Bu** 6:87  
 Prentice, R.M. **Bu** 10:44; 23:115  
 Preston, W.B. **Bu** 26:211  
 Pritchard, Gordon. **AB** 10:25; 20:41  
 Prokopy, R.J. **Bu** 16:16  
 Provancher, l'Abbé Léon. **CE** 24:130; 96:10  
     **ON** 53:28 **An** 1(2):10; 3(1):14 **QC** 6:145  
     **Qb** 18:1  
 Provencher, Louis. **Bu** 18:12  
 Proverbs, M.D. **Bu** 13:87; 14:75 **Bo** 1(2):9  
 Pryer, Harry. **CE** 20:140  
 Putnam, J.D. **CE** 13:256  
 Putman, W.L. **Bu** 1(2):18; 25:85

**Q**

Quaglia, Michele. **MB** 39:18  
 Quiring, D.T.T. **Bu** 13:167; 16:79; 26:211

**R**

Rabb, R.L. **Bu** 14:18  
 Raine, Jack. **Bo** 1(1):9  
 Randall, A.P. **Bu** 14:16  
 Rasmy, Aly. **Ac** 1968:40  
 Raynault, Léo. **An** 5(2):14 **Qb** 17:9  
 Read, D.C. **Bu** 19:62  
 Reddy, M.J. **AB** 20:41  
 Reed, E.B. **CE** 35:51; 49:37 **ON** 33:127, fr  
 Reed, Larry. **EN** 45(6)  
 Reeks, W.A. **Bu** 4(4):4  
 Reichardt, Todd. **MB** 38:19  
 Rempel, J.G. **Bu** 2:52; 3:3,42; 8(3):4 **ON** 107:2  
 Renault, T.R. **Bu** 26:14, 15  
 Rich, G.B. **Bu** 5:40  
 Richards, W.R. **Bu** 13:120; 31:158  
 Richardson, John. **MB** 15:50  
 Richmond, H.A. **Bu** 21:146 **Bo** 9(2):12  
 Richtot, Claude. **Qb** 17:9  
 Ricker, W.E. **CE** 98:896 **Bu** 18:65 **Bo** 9(2):15  
 Rickert, J. **AB** 20:41  
 Ricksecker, L.E. **CE** 45:112  
 Riedl, Helmut. **Bu** 14:61  
 Riegert, P.W. **Bu** 21:50  
 Riley, C.V. **CE** 26:174; 27:273 **ON** 25:112; 26:95,fr  
 Riordon, D.F. **Bu** 8(2):10  
 Rioux, Gérard. **An** 2(2):23 **QC** 19:97,99

Ritchie, A.S. **CE** 2:155  
 Roback, S.S. **Bu** 21:12  
 Robert, Rev. Fr. Adrien. **EN** 42(10) **QC** 9:11  
     **An** 7(2):12  
 Robertson, J.G. **CE** 100:670 **EN** 45(8)  
 Robins, K.R. **Bu** 31:158  
 Robinson, A.G. **Bu** 13:78; 14:48; 14:75; 25:20  
 Robinson, C.T. **CE** 4:109,118  
 Rocchini, Lynn. **Bu** 28:122  
 Rockburne, Eric. **Bu** 28:15  
 Rohwer, S.A. **CE** 83:92  
 Roitberg, Bernie. **Bu** 14:41; 22:208, 209  
 Rosenberg, D.M. **Bu** 25:16; 30:131 **AB** 20:41  
 Ross, D.A. **Bo** 4(2):8  
 Ross, H.H. **Bu** 4:73; 8(4):11; 10:94  
 Ross, W.A. **CE** 96:12 **EN** 33(9); 34(10); 39(10)  
     **ON** 92:216  
 Rothfels, K.H. **Bu** 16:146  
 Royama, Tom. **Bu** 26:210  
 Rudinsky, J.A. **Bu** 12:110  
 Ruelle, Ray de. **Bu** 26:80  
 Ruhmann, M.H. **BC** 41:36,45 **Bo** 5(2):1  
 Russel, Frank. **MB** 15:52  
 Rutherford, J.E. **OL** 4(2):2  
 Ryan, W.St.G. **EN** 41(8,12) **QC** 9:129

**S**

Sabrosky, Curtis. **Bu** 12:75; 13:118  
 St. Cyr, D.N. **CE** 31:102; 32:368  
 St-Germain, Michel. **An** 7(3):24  
 Salkeld, E.H. **Bu** 13:44  
 Salt, R.W. **Bu** 3:33; 4:5,34  
 Sanborn, F.G. **CE** 16:103  
 Sanders, G.E. **EN** 34(3)  
 Sangster, J.H. **CE** 36:72  
 Saunders, L.G. **EN** 40(5)  
 Saunders, Wm. E. **CE** 18:181; 27:197; 28:157; 35:1;  
     46:333; 71:25; 96:10  
     **ON** 25:120,fr; 33:126,fr; 45:121,fr  
 Savage, Jade. **Bu** 30:160; 31:160  
 Savage, Michel. **Qb** 13:13  
 Say, Thomas. **CE** 35:94,138  
 Schaafsma, Art. **OL** 3(2):4  
 Schedl, Karl. **Bu** 11:60  
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     **BC** 63:41 **Bo** 1(2):3  
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     **CE** 99:1231 **ON** 105:4  
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Published by the Research Branch of Canada Agriculture  
(now Agriculture and Agri-food Canada)  
(Started October 1970 - Ended February-March 1987)

Publié par la section de la recherche d'Agriculture Canada  
(Maintenant Agriculture et Agroalimentaire Canada)  
(Débute en octobre 1970 – finit en février-mars 1987)

Nous ne sommes pas au courant d'une édition française, mais elle existe probablement. Nous présumons que les contenus sera la même, mais pas la pagination.

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- Holmes, Neil D. - June '71, p.4: photo and 25-year service; Sept. '71, p.3: photo in field; May '72, p.4: photo and 25 year service; Aug. '72, p.4: photo, rapeseed work planning meeting; Feb. '75, supp.: photo, honoured by U. of Lethbridge; Apr. '75, p.2: photo and Hon. LLD (Lethbridge); Sept./Dec. '77, p.1: photo, writes book chapter; Mar. '79, p.2: photo, biography, retirement
- Huber, John - Nov./Dec. '85, p.4: group photo, Hymenoptera workshop
- Hudon, Marcel - Feb. '71, p.3: photo; July '72, p.4: photo, Int. Cornborer Working Group; Aug. '72, p.1: photo, I.C.W.G. cont'd; Oct. '72, pp. 1 & 4: photo, I.C.W.G cont'd; Nov./Dec. '74, p.4: photo, attends I.C.W.G. meeting; Oct./Dec. '75, p.4: photo, at Int. Plant Prot. Congr.; May '76, p.4: photo, 25-year service; Jan./Feb. '77, p.8: photo, cornborer meeting in Spain; Feb./Mar. '78, p.4: photo, cornborer meeting in Poland; Oct./Nov. '78, p.2: photo, Asst. Director St. Jean; Jan./Feb. '79, p.4: photo, cornborer meeting in Italy; July/Aug. '79, p.4: 1954 photo with LeRoux et al.; May '80, p.1: Public Service Award of Merit; Mar. '81, p.4: trip to central Europe; June '81, p.3: photo in group; Feb./Apr. '82, p.4: photo, invited paper in Chile; Jan. '83, p.4: photo, cornborer meet in Czechoslovakia; Apr. '83, p.2: invited to symposium in Chile; Dec. '83, p.4: photo, president Que. Soc. Prot. Plants; Feb. '85, p.4: photo, cornborer meeting in France; Nov. '86, p.4: photo, cornborer meeting in China
- Hudson, Anne - Nov./Dec. '85, supp.: photo, 25-yr service, biography
- Hurley, Ed - Nov./Dec. '85, p.4: group photo, Hymenoptera workshop
- Hurtig, H. - Nov. '70, p.1: photo and award; May '71, p.4: photo, honour at Pesticide Conference; Nov. '71, p.2: photo and world traveller; Mar. '72, p.1: photo, language training; June '72, p.4.: meetings and travel; Jan. '74, p.1: photo and obituary; Nov./Dec. '74, p.1: photo and tribute

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- Jaques, Robert - May '72, p.4: photo, European tour; Dec. '78, p.4: photo, trip to USSR; May '79, p.4: photo, 25-year service; Dec. '84, p.2: photo, section head, brief biography
- Johnson, Dan - June '84, p.4: photo, joins Lethbridge station
- Kasting, R. - Apr. '75, p.4: photo and obituary
- Kelleher, Jim - June '73, p.4: photo, 25-year service; Apr. '74, p.3: photo; Sept. '85, p.3: photo in group
- Kelton, Len - Apr./June '74, p.4: photo, 25-year service
- Kevan, Keith - Apr./May '77, p.1: photo with George Holland
- Kevin, Peter - Nov. '71, p.2: photo, joins Plant Research Institute
- Khan, Shahamat - June '80, p.2: photo, book on pesticides in soil
- Kinoshita, Gary - June/Aug. '76, p.3: photo in group in lab.
- Klimasezewski, Jan - Jan. '74, p.4: photo, BRI visiting scientist
- Krupka, Richard - Sept./Oct. '86, p.4: photo, joins London centre
- Lafleur, Gérald - July '86, p.B: photo, joins St. Jean, to Burkina Faso
- Lafontaine, Don - Mar. '74, supp.: photo, joins BRI; Sept. '74, p.3: photo in group; Sept. '77, supp.: photo, coauthors cutworm book; Apr. '85, p.3: photo in group
- Lamb, Robert - Oct./Nov. '79, p.2: joins Winnipeg Res. Stn.
- Larson, Ruby I. - Apr. '73, p.4: photo and 25-year service; July '77, p.1: biography, Ll.D.; June '78, p.2: Ll.D. acceptance speech
- Latheef, M.A. - Aug '72, p.4: photo, PhD student of D. Harcourt
- Leech, Robin - Jan. '72, p.4: photo, joins ERI
- LeRoux, Ed - June '73, p.1: photo, honorary DSc from McGill; Oct./Dec. '75, p.1: photo, appointed Director General, brief biography; Mar. '78, p.1: photo, appointed Asst. Deputy Minister; July/Aug. '79, p.4: 1954 photo with Hudon et al.; Jan. '85, p.1: photo, Armand Frappier Medal; Aug. '86, p.1: photo, hon. doctorate of U. of Ottawa; Dec. '86, p.1: photo, ESC Gold Medal; Feb. Mar. '87, p.2: photo, retirement, merit award
- LeSage, Laurent - Jan. '80, p.4: photo, joins Biosystematics Res. Inst.; Mar. '80, p.4: corrigium to Jan. rept.: correct photo; Apr. '85, p.3: photo in group
- Lilly, Charlie E. - Sept. '71, p.3: photo in field; June-Aug. '74, p.4: photo, 25-year service; Feb. '82, p.1: photo, biography, retirement
- Lindquist, Evert E. - Nov. '71, p.4: photo, European tour; Sept. '74, p.2: photo in group; Nov./Dec. '74 supp.: photo, award, brief biography; Nov. '86, p.4: photo, 25-year service, biography
- Lopes, Hugo de Souza - Sept./Oct. '76, p.4: photo, exchange scientist at BRI

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- Lord, Frank - June '71, p.4: retirement notice; July '71, p.4: photo in group, retirement certificate
- Loschiavo, Sam R. - Mar. '71, p.3: photo and Research Station; Sept. '74, p.4: photo, biography, Fellow ESC, 25-yr; May '76, p.4: photo, 1-year work transfer to Hawaii; Feb./Mar. '78, p.1: photo, "Bug-eyed view of Hawaii"; May/June '82, p.1: photo, biography, Fellow ESC; Sept. '85, p.4: photo in group; Nov./Dec. '85, supp.: photo in laboratory
- Lowe, Reuben B. - Oct. '72, p.4: retirement notice
- Lyons, Barry - Nov./Dec. '85, p.4: group photo, Hymenoptera workshop
- MacCarthy, H.R. (Mac) - Jan. '71, p.3: photo in laboratory; Sept./Oct. '76, p.2: photo, biography, retirement
- MacGillivray, Ellen M. - July '72, p.4: photo and 25 year service; Sept. '75, supp.: photo, president-elect, ESC; Nov. '80, p.4: retirement notice (26 Dec. '80); July/Aug. '81, p.1: photo, DSc (hon.) at UNB, biography; Oct./Nov. '83: photo in group, long service certificate
- MacKay, Margaret - Sept. '75, p.4: photo, honoured by National Museum, biography
- MacLellan, Roger - Apr./June '75, p.4: photo, 25-year service; May '86, p.B: photo in group
- MacLeod, Malcolm - Oct. '71, p.4: photo, 25-year service
- Madsen, Harold F. - Nov. '70, p.3: photo in orchard; Dec. '73, p.4: photo and trip abroad; Apr./June '75, p.4: photo; July/Aug. '75, supp.: photo, appointment Assoc. Dir.; Sept./Dec. '77, supp & p.3: biography, ESAmerica award; Jan./Feb. '84, p.1: photo, elected President ESC
- Maltais, Jean-Baptiste - Jan. '83, p.1: photo, obituary (10 Sept. '82)
- Martel, Pierre - Dec. '70, p.2: photo, appointment to St. Jean station; May '72, p.4: photo, work transfer to London lab; June '81, p.3: photo in group
- Martin, Jack - Feb. '75, p.4: photo, 25-year service; Sept. '74, p.3: photo in group; Sept. '85, supp.: photo, retirement, biography
- Marshall, James - May '74, p.4: post-retirement activity
- Masner, Lubomir - Apr. '85, p.3: photo in group; Nov./Dec. '85, p.4: photo in group, Hymenoptera workshop
- Mason, Bill - Aug. '71, p.1: collecting trip to Northwest Territories; Mar. '75, p.4: photo, 25-year service; Apr. '85, p.3: photo in group; Nov./Dec. '85, p.4: photo in group, Hymenoptera workshop; Jan. '87, p.B: photo, retirement, brief biography
- Matthewman, Pete - Feb. '71, p.4: retirement notice (31 Dec. '70)
- Matthews, John - Nov./Dec. '85, p.4: group photo, Hymenoptera workshop
- Maw, Murray - June/Aug. '76, p.5: photo in group; Sept./Oct. '76, supp.: photo, 25-year service; May/June '82, p.3: photo in group in greenhouse
- McAlpine, Frank - Sept. '72, p.1: photo, International Congress and tour; July/Aug. '75, p.4: photo, 25-year service

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- McClanahan, Robert J. - Jan. '87, p.A: photo, biography, retirement
- McDonald, Howard - Dec. '71, p.3: photo; June '72, p.4: photo and retirement (19 July '72)
- McDonald, Stuart - May '79, p.1: photo, Head of crop entomology Lethbridge
- McGinnis, A.J. (Bud) - Mar. '71, p.3: photo and Research Station; Aug. '71, p.4: photo, 25-year service; Jan. '72, p.1: photo, Vineland appointment; May '72, p.3: photo, story on Vineland station; June '72, p.2: photo, leaves Winnipeg; June '73, p.1: photo; Jan./Feb. '81, p.4: retirement notice (30 Dec. '80)
- McIver, Susan - Jan. '86, p.2: photo, presents Gold Medal to Sinha
- McLeod, Glenn - Oct. '71, p.3: photo in field; Sept. '74, p.4: photo, work transfer
- McLeod, Malcolm N. (Mac) - Oct. '71, p.4: photo and 25-year service
- McLintock, John R.R. - Dec. '71, p.3: photo; Mar. '73, p.4: photo and 25-year service; Sept. '75, supp.: photo, past-president, ESC; July '77, p.4: retirement notice (17 Aug. '77)
- McMahon, Harold - Sept. '74, p.4: retirement notice
- McMullen, R. David - Nov. '70, p.3: photo in orchard; Apr. '78, p.2: photo, biography, Section Head; Oct./Nov. '78, p.4: photo, 25-year service; Mar. '84, p.1: photo, named Fellow ESC
- Miller, C. Doug F. - May '72, p.4: photo, travel to eastern Europe and Asia; Mar. '73, p.1: new Co-ordinator Biosystematics; July '73, p.4: photo, 25-year service; Apr. '83, p.2: photo, retirement (24 Jan. '83)
- Morgan, Cecil V.G. - Mar. '75, p.4: photo and retirement
- Morris, Oswald (Ozzie) - June '83, p.4: photo, to Winnipeg Res. Sta. from CFS; June/July '85, p.4: photo, 25-yr service, biography; July '86, p.4: photo, cooperative project with Egypt
- Morris, Ray F. - Aug. '71, p.4: photo in laboratory; Apr. '81, p.1: photo, book on moths and butterflies; July/Aug. '81, p.3: photo in coffee room; May '84, p.1: photo, President ESC; Mar./Apr. '86, p.B: photo, St. John's Hon. Res. Assoc.
- Mukerji, Mukul - Jan. '74, p.2: photo, transfer to Saskatoon
- Munroe, Douglas - Nov. '73, p.4: photo, PDF at BRI
- Munroe, Eugene - Nov. '71, p.1: photo, exchange scientist to Brazil; Feb. '75, p.4: photo, 25-year service; Dec. '79, p.4: retirement notice (7 Sept. '79); Jan. '82, p.4: photo, awarded ESC Gold Medal
- Mutuura, Akira - Jan. '87, p.B: photo, retirement, brief biography
- Nealis, Vince - Nov./Dec. '85, p.4: group photo, Hymenoptera workshop
- Neilson, Willis - July/Aug. '75, p.4: photo, 25-year service; Feb. '86, p.3: photo in group
- Nelson, W.A. (Bill) - Mar. '85, p.2: Hon. Life Member E.S.Alberta
- Olfert, Owen - June '80, p.4: appointed to Saskatoon
- Oliver, Don - Aug. '71, p.1: collecting trip to Northwest Territories

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- Pankiw, P. - Mar. '80, p.3: photo, biography, retirement; Jan. '82, p.2: photo, biography, honours
- Paradis, Rodolphe - Feb. '71, p.2: photo; June '81, p.3: photo in group; June '83, p.1: photo, retirement, biography; Mar./Apr. '86, p.2: photo in group
- Pelletier, Yvan - Oct./Nov. '83, p.4: photo, joins Fredericton Res. Sta.
- Perron, Jean-Paul - June '72, p.4: retirement notice; Feb. '73, p.2: photo, retirement, biography
- Peschken, Diether; - June/Aug. '76, p.5: photo in group; May/June '82, p.3: photo in group in greenhouse
- Peters, E.G. - July '71, p.4.: photo and 25-year service
- Peterson, Bob - Nov. '72, p.4: photo, exchange scientist to Brazil
- Peterson, D.G. - Aug. '72, p.1: photo, reassignment; Mar. '78, p.4: photo, Special Assistant to ADG; Mar. '79, p.1: photo, biography, retirement
- Pickford, R. - June '71, p.4: photo, 25-year service; Aug. '71, p.1.: photo, to Anti Locust Research Centre; July '72, p.4: photo, return from ALRC.
- Pielou, Pat - Sept. '71, p.4: to Dalhousie U., brief biography
- Pree, David - Mar. '72, photo, joins Kentville station; Mar. '85, p.3: photo in laboratory
- Prentice, Dick - Jan./Feb. '77, p.1: photo, Coordinator (Entomology); Mar. '78, p.3: photo, Research Coordinator (Protection); Mar. '85, p.1: photo, retirement, biography
- Proverbs, M.D.(Jinx) - June '72, p.4: meetings consultation and travel; June '72, p.4: photo, 25-year service; Dec. '73, p.4: photo, trip abroad; Feb. '74, p.4: photo, FAO assignment in Greece; Nov./Dec. '74, supp.: photo with group in laboratory; Feb. '75, p.4: photo, 25-year service [again]; Aug./Sept. '78, p.1: photo, Public Service Merit Award
- Putnam, Lloyd - Feb./Mar. '78, p.4: retirement notice (15 Mar. '78)
- Quiring, Dan - Jan. '85, p.4: photo, appointed to Harrow
- Raine, J. - Jan. '71, p.3: photo in laboratory; Apr./May '77, p.4: photo, 25-year service
- Raworth, David - Feb. '74, supp.: photo, joins Vancouver Res. Sta.
- Read, Dean C. - July/Aug. '75, p.4: photo, 25-year service; June/Aug. '76, p.6: photo, 25-year service
- Redner, Jim - Sept. '74, p.3: photo in group; Apr. '85, p.3: photo in group; Feb. '86, p.4: photo, 25-year service, brief biography
- Rich, G.B. - Feb. '72, p.4: photo, 25-year service; Apr. '73, p.4: photo, death notice
- Richards, Ken - July/Aug. '83, p.4: photo, visits USSR; Dec. '83, p.3: photo in field
- Richards, Rob - Jan./Feb. '79, p.4: photo, 25-year service
- Rivard, Irénée - June '81, p.3: photo in group

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- Roadhouse, Lloyd - Aug. '72, p.4: move to Environmental Protection Service
- Rockburne, Eric - Mar. '73, p.4: photo, 25-year service; Sept./Dec. '77, supp.: photo, coauthors cutworm book
- Rogers, Dick - Nov./Dec. '85, p.4: photo in group, Hymenoptera workshop
- Rohleder, Hans - Feb. '72, p.4: photo, visiting scientist
- Ross, Bella - Feb. '71, p.4: retirement notice; July '72, p.2: photo and retirement (4 Apr. '72)
- deRuelle, Ray - May '73, p.4: retirement notice; Oct. '73, p.4: retirement, biography
- Salkeld, Helen - Dec. '80, p.4: retirement notice (30 Dec. '80)
- Salt, R.W. - Feb. '71, p.4: retirement notice (Jan, '71); Nov. '72, p.3: photo, ESC Gold Medal
- Sanford, Ken - Mar. '77, p.4: photo, 25-year service
- Sarazin, Mike - Apr. '85, p.3: photo in group; Nov./Dec. '85, p.4: group photo, Hymenoptera workshop
- Sato, Go - June '83, p.2: photo, breeder of Java sparrows; Apr. '85, p.3: photo in group
- Seamans, H.L. - Mar. '75, p.2: photo and obituary
- Sharkey, Mike - Apr. '85, p.3: photo in group; Nov./Dec. '85, p.4: photo in group, Hymenoptera workshop
- Shemanchuk, Joe A. - Sept. '71, p.3: photo in field; Nov. '71, p.1: photo and visit to USSR; Jan./Feb. '76, p.4: photo, 4-month mission in Iran; Apr./June '75, p.4: photo, 25-year service; May '81, p.2: photo, biol. control of mosquitoes; May '81, p.2: photo, alt. host of mosquito pathogen; Mar. '83, p.2: photo, biography, named Fellow ESC; Jan. '87, p.A: photo in group, 35-year medal
- Shewell, Guy - Jan./Feb. '77, p.8: notice of retirement 30 Jan.; June '77, p.2: photo, retirement, biography
- Simard, Léo-Guy - Mar./Apr. '86, p.2: photo, plaque for service to SEQ
- Sinha, Ron N. - March 1971, p.3: photo, Research Station; March 1973, p.4: photo, meetings in Europe; Jan, '86, p.2: photo, ESC Gold Medal
- Smetana, Aleš - Sept, '74, p.3: photo in group; February 1987, p.1: photo, biography; Apr. '85, p.3: photo in group; Feb./Mar. '87: photo, Nepal expeditions
- Smirnoff, Vladimir - May '81, p.2: art exhibit in Ottawa
- Smith, Bernie - July '86, p.B: photo, retirement, biography
- Smith, Ian - Mar. '74, supp.: joins BRI; Sept. '74, p.3: photo in group
- Smith, Lawrie B. - May '71, p.3: photo on ladder at grain tank; Sept. '80, p.4: photo, 25-year service
- Smith, Robert - Jan./Feb. '77, p.8: photo, employed at Kentville; May '81, p.3: photo in group in lab
- Specht, Harold - Oct, '73, p.4: photo, 25-year service; May '81, p.3: photo in group in lab; Feb. '86, p.3: photo in group

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- Stamenkovic, Tomislav - Mar. '75, p.4: 1-yr transfer of work to Vineland
- Steele, Bill - Sept. '79, p.4: joins London Research Institute; Mar. '84, p.3: photo in group
- Stevenson, A.B. - May '72, p.3: photo in Vineland laboratory
- Struble, Dean L. - Sept. '71, p.3: photo in field; June '77, p.4: photo, 1-yr transfer to Switzerland; Apr. '84, p.1: photo, new Section Head; Jan. '85, p.4: photo in group; Jan. '86, supp.: award for pheromone patent
- Swailles, G.Ed - June '72, p.4: photo, 25-year service; Apr. '81, p.3: photo, biography, retirement (29 Dec. '80)
- Syme, Paul - Nov./Dec. '85, p.4: photo in group, Hymenoptera workshop
- Taylor, Maurice E. (Maury) - June '71, p.4: photo, 25-year service; Dec. '71, p.3: photo; Mar. '75, p.4: photo, 25-year service; Sept. '80, p.4: retirement notice (30 Sept. '80)
- Teskey, Herb - Sept./Oct. '76, supp.: photo, 25-year service
- Thompson, Leith - May '72, p.1: photo, Information Division conference; Mar. '74, p.2: photo in group; June/Aug. '76, p.6: photo in group in lab; June '81, p.4: photo, 25-year service; Jan. '86, supp.: photo, Asst. Director, biography
- Tomlin, Alan - July '72, p.2: appointment to London; Jan. '75, supp.: photo, 1-year transfer to Rothamsted; June/Aug. '76, p.3: photo in group
- Tonks, Norman - May '73, p.4: photo, 25-year service; Sept. '74, p.2: photo in group; July '77, p.3: photo in greenhouse
- Trottier, Robert - May '72, p.3: photo in laboratory; June '77, p.4: photo, conference in France; Dec. '78, p.2: photo, Pesticide Info. Section Head; Sept. '79, p.4: photo, pesticide residues meeting; Feb. '80, p.1: photo, acting Director Res. Prog. Serv.; Sept. '80, p.3: photo, Director Research Program Serv.; July/Aug. '82, p.1: photo, seconded to External Affairs; Apr. '85, p.1: photo, Research Coordinator (Protection)
- Turnock, W.J. (Bill) - Oct. '72, p.1: appointment as Section Head; May '74, p.4: photo, 25-year service; Jan./Feb. '77, p.6: workshop on oilseed crop insects; Dec. '78, p.4: photo, trip to USSR; Apr. '83, p.1: photo, biography, named Fellow E.S.C.
- Vernon, Bob - Jan./Feb. '81, supp.: photo, appointment to Vancouver; May '83, p.3: photo in lab
- Vincent, Charles - Sept. '83, supp.: photo, joins St. Jean station; Mar./Apr., p.2: photo in group
- Vockeroth, Dick - Sept. '72, p.4: photo, work transfer; Oct. '72, supp.: photo, 25-year service
- Waddell, Dave - April '79, p.1: photo, biography, retirement
- Watters, Fred L. - July '71, p.4: photo, 25-year service; Apr. '72, p.4: photo, return from FAO; July/Aug.'75, p. 3: photo in group; Sept. '75, p.4: photo, return from UN mission; Jan. '76, p.2: views on Chad with FAO; June '77, p.4: photo, return from FAO HQ assignment; Oct. '82, p.2: photo, biography, retirement (30 Dec. '81)

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Weintraub, Jerry - Sept. '71, p.3: photo in field; Jan. '75, p.4: photo, 25-year service; July/Aug. '75, p.4: photo, co-chaired meeting in Greece; Mar./Apr. '76, p.4: photo, CIDA assignment in Pakistan; Dec. '83, p.4: photo in lab; Jan. '87, p.1: photo, biography, retirement, 35-yr. medal

Westdal, Harry - Mar. '71, p.2: photo, Research Station; Aug. '71, p.4: photo, 25-year service; July/Aug. '82, p.4: photo, biography, retirement (28 Feb. '82)

White, Noel - July/Aug. '82, p.4: photo, joins Winnipeg Res. Station

Wilkinson, A.T.S. (Fred) - Aug. '72, p.4: to Switzerland re crane fly parasites; Jan. '73, p.4: photo, returns from Switzerland

Wilkinson, Paul R. - May 1972, p.4: photo, transfer to Lethbridge; June/Aug. '74, p.4: photo, 25-year service; Mar. '75, supp.: photo, return to Lethbridge

Wood, George - July/Aug. '75, supp.: photo, 25-year service; May '84, p.2: photo, retirement, biography

Wood Floyd - Dec. '80, p.4: retirement notice (19 Dec. '80)

Wood, Monty - Aug. '71, p.1: collecting trip to Northwest Territories

Wressell, Harry - Apr. '73, p.4: retirement notice

Yoshimoto, Carl - Nov./Dec. '85, p.4: photo in group, Hymenoptera workshop; Jan. '86, p.4: photo, gives workshop at U. of Florida



## **ACKNOWLEDGEMENTS**

The journals searched were not all available in any one library. Likewise, the holdings of any journal in a library are rarely complete. To fill the gaps, we consulted many persons who generously sent photocopies, loaned volumes and entire sets, sent duplicate old or current issues, and even did searches for us: **Richard Anderson**, Librarian, Agriculture and Agri-Food Canada, Fredericton, N.B., **Dr. Robb Bennett**, British Columbia Ministry of Forests, Saanichton, B.C., **Gilles Bizier**, Bibliothécaire, Centre Forestière des Laurentides, St. Foy, P.Q., **Dr. Kenneth Fry**, Alberta Research Council, Vegreville, **David Hull**, Librarian, University of Guelph, Ont. and Archivist for the Entomological Society of Ontario, **Christine Jean**, Département de Biologie, Université Laval, Sainte-Foy, P.Q., **Dr. Daniel Johnson**, Agriculture and Agri-Food Canada, Lethbridge, Alta., **Dr. Robert Lamb**, Agriculture and Agri-Food Canada Research Station, Winnipeg, Man., **Dr. Barry Lyons**, Great Lakes Forestry Centre, Sault St. Marie, Ont., **Dr. Jon Sweeney**, Atlantic Forestry Centre, Fredericton, N.B., **Darlene Tan**, Librarian, Atlantic Forestry Centre, Fredericton, N.B. For nearly all French translations, we thank **Dr. Lucie Royer**, CFS Atlantic Forestry Centre, Corner Brook, Newfoundland, and her ESC Bilingualism Committee.

## **REMERCIEMENTS**

Les revues scientifiques consultées ne sont pas toutes disponibles en un seul endroit et la collection d'une bibliothèque est rarement complète. Nous avons donc dû consulter plusieurs personnes qui ont généreusement envoyé des photocopies de numéros anciens et récents, des volumes et séries complètes, et qui ont même fait des recherches pour nous : **Richard Anderson**, Bibliothécaire, Agriculture et Agroalimentaire Canada, Frédéricton, N.B., **Dr Robb Bennett**, Ministère des forêts de la Colombie Britannique, Saanichton, C.B., **Gilles Bizier**, Bibliothécaire, Centre de foresterie des Laurentides, St. Foy, P.Q., **Dr Kenneth Fry**, Conseil de recherche de l'Alberta, Vegreville, **David Hull**, Bibliothécaire, Université de Guelph, Ont., et archiviste à la Société d'entomologie d'Ontario, **Christine Jean**, Département de Biologie, Université Laval, Sainte-Foy, P.Q., **Dr Daniel Johnson**, Agriculture et Agroalimentaire Canada, Lethbridge, Alta. , **Dr Robert Lamb**, Agriculture et Agroalimentaire Canada, Winnipeg, Man., **Dr. Barry Lyons**, Centre de foresterie des Grands Lacs, Sault St. Marie, Ont., **Dr Jon Sweeney**, Centre de foresterie de l'Atlantique, Frédéricton, N.B., **Darlene Tan**, Bibliothécaire, Centre de foresterie de l'Atlantique, Frédéricton, N.B. Pour la plupart des traductions française, nous rémercions **Dr. Lucie Royer**, SCF Centre foresterie de l'Atlantique, Corner Brook T-N.

## **HERITAGE REFERENCES / RÉFÉRENCES PATRIMONIALES**

(excluding specific biographical items / excluant les articles biographique spécifique)

The following are references encountered during the search for biography of entomologists, and not the product of an exhaustive search. / Les références suivantes ne proviennent pas d'une recherche bibliographique exhaustive; ce sont les références qui ont été rencontrées lors de notre recherche pour documenter la biographie des entomologistes.

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## **Entomological Society of Canada Awards and Scholarships**

### **Annual**

#### *Postgraduate Awards*

Two postgraduate awards of \$2000 will be offered to assist students beginning study and research leading to a first post-graduate degree in entomology. The postgraduate awards will be made on the basis of high scholastic achievement. **Deadline: 10 June 2003**

#### *Research-Travel Grants*

Two research-travel grants of a maximum of \$2000 will be awarded to help students increase the scope of the graduate training. Applications will be judged on scientific merit. **Deadline: 14 February 2004**

### **Special**

#### *Keith Kevan Scholarship 2003*

In memory of Dr. D. Keith McE. Kevan, the Entomological Society of Canada is offering one postgraduate award of \$1000 to assist students in post-graduate programs who are studying systematics in entomology. The award will be made on the basis of high scholastic achievement and excellence in insect systematics. **Deadline: 12 June 2003**

See <http://esc-sec.org/students.htm> for complete details, or Bulletin ESC 2002 34 (4) 165-173, or contact Dave Gillespie at [gillespie@agr.gc.ca](mailto:gillespie@agr.gc.ca)

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## **Prix et bourses d'études de la Société d'entomologie du Canada**

### **Annuel**

#### *Bourse pour étudiants post-gradués*

La Société d'entomologie du Canada offrira deux bourses d'une valeur de 2000 \$ chacune pour aider des étudiantes et étudiants qui débutent des études post-graduées et des recherches en vue de l'obtention d'un premier diplôme d'études supérieures en entomologie. Les bourses seront accordées aux étudiants ou étudiantes en raison des seuls critères de réussite académique. **Date limite le: 10 juin 2003**

#### *Subventions de recherche-voyage au niveau des études supérieures*

Deux subventions de recherche-voyage, le d'un maximum de 2000 \$, ont pour objet d'aider les étudiants et étudiantes à élargir le champ de leur formation supérieure. Les candidatures seront jugées selon leur mérite scientifique. **Date limite le: 14 février 2004**

### **Special**

#### *Bourse Keith Kevan 2003*

En mémoire du Dr D. Keith McE. Kevan, la Société d'entomologie du Canada offrira une bourse de 1000 \$ pour aider les étudiants gradués qui entreprennent des études supérieures en taxonomie des insectes. Cette bourse sera accordée selon des critères d'excellence académique et de la prééminence en taxonomie des insectes. **Date limite le: 12 juin 2003**

Voir <http://esc-sec.org/students.htm> pour de plus amples renseignements, ou Bulletin SEC 2002 34 (4) 165-173, ou contacter Dave Gillespie at [gillespie@agr.gc.ca](mailto:gillespie@agr.gc.ca)

## **Book Reviews**

Denlinger, D. L. Giebultowicz, J. and Saunders, D.S. (eds) *2001 Insect timing: Circadian rhythmicity to seasonality*. Elsevier Science Inc., PO Box 945, New York, NY 10160-0757, USA, 244 pp. ISBN:0-444-50608-X (cloth) US 118.00 \$.  
<http://www.elsevier.nl/inca/publications/store/6/2/2/0/3/5/index.htm>

The mechanisms through which plants and animals adjust their activities, at both daily and seasonal levels, have intrigued biologists for many years. Studies on insects have regularly advanced our general understanding of biological clocks and it is, therefore, not surprising that the subject of insect timing figured prominently at the last International Congress of Entomology at Iguassu Falls, Brazil.

This book, edited by three leaders in the field, is the product of three inter-related symposia, addressing recent advances on the molecular and physiological basis of circadian clocks, together with seasonal aspects of the induction and regulation of diapause, cold hardiness and polymorphism. Consequently, the 17 papers are highly varied, not only with respect to subject matter but also the scope of the different contributions. The papers range from broader reviews to recent work on a specific topic by a given research team and, as is often the case with books arising from symposia, chapters differ somewhat in format (e.g. font size and figure quality) and style. However, this does not detract from the overall quality of the volume and the only major error I found was the duplication of page 62 on page 63.

While the diversity of subject matter might deter certain “purists”, I see this as a positive rather than negative attribute of the book, especially for those whose research endeavors are not related directly to the study of daily and/or seasonal periodicity. This format provides the reader with an excellent introduction to the varied behavioral, neuro-ethological, endocrinological and molecular approaches currently being used to elucidate the properties of clocks. Furthermore, one is shown how such approaches may be used to examine subjects as wide ranging as (i) cellular changes on daily and seasonal time scales, (ii) the circadian expression of clock genes in different parts of the central nervous system and peripheral tissues, such as the fat body and malpighian tubules, as well as (iii) photoperiodism from daily, seasonal, geographic and evolutionary perspectives. In addition, the different chapters provide insight into similarities and differences between species, as the studies have used an array of different stages in the life cycles of both hemimetabolous and holometabolous insects. Finally, although a very minor component of the overall work, the reader has the opportunity to see how a fundamental understanding of cold hardiness may offer novel avenues for the control of certain insect pests.

Another important message comes from this book. While ongoing research has significantly expanded our knowledge on different aspects of timing in insects a great deal remains to be elucidated, and many authors address the unresolved questions in their specific areas of interest. This provides readers a wealth of ideas

for projects examining the transduction-translation based feedback loops that coordinate the various clocks found within an organism and how these ensure effective timing in essential daily and seasonal processes.

Consequently, I would recommend this book for anyone wishing to bring themselves up to speed on the current understanding of insect clocks, as well as to those with an interest in entering this important and exciting interdisciplinary field of research.

Jeremy N. McNeil  
Professeur titulaire  
Department of Biology  
Laval University

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Ryan, Michael F. 2002. *Insect Chemoreception: Fundamental and Applied*. Kluwer Academic Publishers, Dordrecht, The Netherlands. xvii + 330 pp. ISBN 1-4020-0270-X (cloth) US125.00\$

This book examines insect chemoreception in its broadest aspects, from reception of various chemicals via the “normal” gustatory and olfactory systems to those chemicals received as toxins (chemical insecticides). In the introductory chapter, the author outlines the major developments in the fields of plant/insect relationships (fundamental), and the development of insecticides (applied) and the ecological consequences of their use.

Part I covers the fundamental aspects of insect chemoreception with chapters on plant chemicals, pheromones, the basic structure of chemoreceptive organs, electrophysiology, and biochemistry of chemoreception. Much has been written on the subject of plant chemicals as they affect insects; however, the author concentrates on the major chemical groups and provides interesting examples of their allelochemical roles. He also includes microbial-insect interactions as well as the different mechanisms of plant/insect coevolution. The chapter ends with a discussion on the fate of the ingested allelochemicals. The chapter on pheromones includes a short description of pheromone-producing glands in different groups, and a clear, concise section on nomenclature of these chemicals. Sex pheromones, their hormonal regulation, and the orientating responses to them are also discussed. Others such as aggregation, oviposition, and epideictic pheromones are treated briefly, followed by more detail on the pheromones of social insects. Very good information is provided on the basic structure of chemoreceptive sensilla and their accessory cells. More emphasis is placed on the olfactory sensilla and the mechanisms by which odour molecules are transferred from the external environment to the sensory dendrites. The chapter on electrophysiology also emphasizes the olfactory system, with discussion of the general characteristics of the action potentials, electroantennogram (EAG) responses, and sensillar circuitry. This is followed by another section on peripheral coding and detailed discussion of CNS processing, particularly of pheromone stimuli. The chapter on biochemistry starts with wise words of caution regarding the frequent usage of the term “receptor” when referring to an insect sensillum; this should be limited to the pharmacological designation of the term, and we should avoid the use of sensory receptor when referring to a sensillum. The author goes on to describe studies of receptor binding, etc. and in more detail, the involvement of G-proteins in signaling

within olfactory neurons. Considerable detail is accorded to studies of the pheromone binding proteins, and less so of general odourant binding proteins.

Part II covers the applied aspects of chemoreception with chapters on plant chemicals in pest control, host plant resistance, pheromones in plant protection, and genetic engineering. Plant chemicals that are considered include various natural insecticides, repellents, and antifeedants. Host plant resistance to insects and the factors affecting it are discussed in relation to the feeding and to the oviposition behaviours of various pests; this chapter is covered in very good detail and the author makes convincing arguments for the inclusion of host resistant plants in Integrated Pest Management programmes. The chapter on pheromones and plant protection deals with the various types of pheromone encapsulation for delivery in the field, the effects of trap design, and of various biological and environmental factors such as insect age, host plant volatiles, temperature, light, wind, on the efficacy of pheromone lures. The use of pheromones is discussed in detail for the pea moth and for some bark beetles. The author suggests that, because of current regulatory problems in both the U.S.A. and the European Union, insecticides are likely not going to be replaced by pheromones in the foreseeable future. More optimism is shown toward the genetic engineering of insect tolerance or resistance into specific crops. The basic approaches used to achieve this are discussed for transgenic tomato, cotton, tobacco, and rice. Social concerns over the use of these techniques is also addressed.

The many different aspects of plant/insect chemical interactions are very well integrated. There are two negative comments I have about the book. One is the extensive use of acronyms, particularly in the chapter on chemoreceptive organs, but also elsewhere. These encumber the reader unnecessarily. The other is poor printing quality of some of the Figures; enlarging these would have made them much clearer without adding much to the book's total length. Apart from these, the book is very well written, and will serve a diversified audience interested in chemoreception, chemical ecology, and pest control using allelochemicals.

Paul Albert  
Montreal, Quebec, Canada

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Chatenet, G. du 2000. **Coléoptères phytophages d'Europe**. N.A.P Editions, Vitry-sur-Seine, France. 359 + [7] pp. ISBN 2-913688-03-9 51 (couverture rigide) 51,83 Euros (54,12 Euros frais de port inclus)

Chatenet, G. du 2002. **Coléoptères phytophages d'Europe. Tome 2. Chrysomelidae**. N.A.P Editions, Verrières le Buisson, France. 258 + [7] pp. ISBN 2-923688-04-7 (couverture rigide) 54.00 Euros (57 Euros frais de port inclus). Bons de commande disponibles sur le site [www.coleoptere.com/francais/publications.html](http://www.coleoptere.com/francais/publications.html)



Gaëtan du Chatenet est avant tout un peintre naturaliste passionné d'insectes, oiseaux et autres merveilles du règne animal. Comptant à son actif plusieurs ouvrages, il nous livre ici les deuxième et troisième volets d'une série sur les Coléoptères d'Europe. Le premier, paru en 1986 sous le titre «Guide des Coléoptères d'Europe», portait sur plusieurs groupes dont les Adéphages, les Histeridae, les Staphylinidae et les Scarabaeidae.

La présentation des deux livres qui nous intéressent est similaire. L'auteur débute par des généralités sur la morphologie des adultes et des larves accompagnées d'excellentes illustrations au trait; quelques types de nymphes sont aussi illustrés. Il poursuit avec diverses informations sur la récolte, le matériel de chasse et la préparation des coléoptères.

Le corps du texte présente, pour de nombreuses espèces d'Europe occidentale, une description et de courtes notes sur leurs moeurs, leur période d'apparition et leur répartition, le plus souvent en référence à une petite carte adjacente. Le premier volume traite des familles Cleridae (43 espèces traitées), Derodontidae (2), Lymexylonidae (3), Elateridae (119), Cerophytidae (1), Eucnemidae (13), Lissomidae (1), Throscidae (2), Cebionidae (25), Buprestidae (120) et Cerambycidae (338). Le deuxième porte sur la grande famille des Chrysomelidae (423 espèces incluses). La proportion des espèces traitées varie selon les groupes. Par exemple, la presque totalité des espèces de Cerambycidae d'Europe occidentale sont incluses; par contre moins de la moitié des Elateridae de cette région le sont. De même, la majorité des chrysomelides de la sous-famille des Donaciinae sont traitées mais moins du dixième le sont pour la sous-famille des Alticinae. Au milieu de chaque livre se trouvent des planches en couleurs faites à l'aquarelle illustrant la vaste majorité des espèces incluses. Le premier volume illustre 629 espèces sur 43 planches, le second 418 espèces sur 35 planches. L'auteur attribue un nom vernaculaire français à chaque espèce. Il donne aussi un tableau de détermination des sous-familles pour les Cleridae, les Elateridae, les Buprestidae, les Cerambycidae et les Chrysomelidae. Finalement un index des noms scientifiques complète chaque volume.

Comme pour la plupart des ouvrages entomologiques, il est possible de relever des points faibles aux deux volumes. Les titres ne correspondent pas tout à fait à leur contenu. «Principaux Coléoptères phytophages d'Europe occidentale» aurait été plus juste mais sûrement moins attirant du point de vue marketing. Les clés d'identification des sous-familles sont à peu près d'aucune utilité. Par exemple, il n'y a pas de renvois aux couplets 3, 5, 7 et 8 de la clé des sous-familles de Chrysomelidae. La présentation de clés aux espèces aurait certes rendu ces livres beaucoup plus utiles et permis l'ajout de plusieurs autres espèces impossibles ou difficiles à distinguer à l'aide d'un habitus en couleurs, comme chez la sous-famille des Alticinae.

En contre partie, les deux ouvrages de Chatenet sont intéressants sur plusieurs aspects. L'impression et la reliure sont de haute qualité; les illustrations sont très acceptables, en tout cas nettement supérieures à celles publiées dans le premier volume de la série sur les Coléoptères.

L'information fournie est succincte et pertinente et le prix est acceptable. Bien que ces livres s'adressent surtout aux coléoptéristes européens, les nord-américains y trouveront leur compte puisque quantité de genres sont communs aux deux continents et certaines des espèces traitées sont adventices sur notre territoire.

Dans la préface du premier volume, Jean Dorst écrit «d'une consultation aisée et combien attrayante, il [le volume] ravira les naturalistes en leur permettant de se retrouver parmi de fastueux insectes». Cette assertion résume bien l'impression que m'a laissé la consultation de ces deux ouvrages.

Yves Bousquet  
Ottawa, Ontario

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### **Congratulations to Noubar Bostaian and Charles Vincent Félicitations à Noubar Bostaian et Charles Vincent**

Le 4 décembre 2002, Noubar Bostanian et Charles Vincent ont reçu un prix en reconnaissance de leur implication en recherche et développement en phytoprotection des vignobles de la part de l'Association des vignerons du Québec à St-Rémi, Qué.

On 4 December 2002, at St-Rémi, Québec, Noubar Bostanian and Charles Vincent received an Award from the Quebec Wine Growers Association in recognition to their work in wineryard protection.



Noubar Bostaian et Charles Vincent reçoivent un prix de l'Association des vignerons du Québec. De gauche à droite: O. Cariise, J. Lasnier, N.J. Bostanian, C. Vincent et R. Bacon.

Noubar Bostaian and Charles Vincent receiving award from Quebec Wine Growers Association. From left to right: O. Cariise, J. Lasnier, N.J. Bostanian, C. Vincent and R. Bacon.

To know more / Pour plus amples renseignements

Lasnier, J., M. Trudeau, N. J. Bostanian, C. Vincent, H. Goulet & L. Lesage 2001. Les insectes ravageurs de la vigne au Québec. [http://res2.agr.gc.ca/stjean/recherche/vigne2\\_f.htm](http://res2.agr.gc.ca/stjean/recherche/vigne2_f.htm)

Lasnier, J., M. Trudeau, N. J. Bostanian & C. Vincent, H. Goulet & L. Lesage 2001. Insect pests of grapevine in Quebec. [http://res2.agr.gc.ca/stjean/recherche/vigne2\\_e.htm](http://res2.agr.gc.ca/stjean/recherche/vigne2_e.htm)

## **Biological Survey of Canada (Terrestrial Arthropods) Survey Report**

The Scientific Committee met in Ottawa on 17-18 October 2002. A more detailed account of the meeting is included in the Newsletter of the Biological Survey of Canada (Terrestrial Arthropods) 22(1), 2003. (<http://www.biology.ualberta.ca/bsc/bschome.htm>)

### **Scientific Projects**

An overview of scientific projects of the Survey included the following updates.

#### *Grasslands*

A successful symposium on “Arthropods of grasslands: ecology and interactions” was held at the 2002 annual meeting of the Entomological Society of Canada. Letters of invitation to potential authors for the first grasslands volume (with a title similar to that of the symposium) will soon be sent out. A planned field trip to the tall grass prairie reserve in July 2002 had been rained out, but plans are being made for a trip there or elsewhere next year. The Committee also discussed potential funding avenues for the grasslands project.

#### *Family keys*

A project to produce keys for all the insect families of British Columbia (which had stopped when funding was withdrawn) has now received additional funding, support that will lead to production of the key for Canada.

#### *Arctic invertebrate biology*

An article in the Survey Newsletter (21(2): 64-66), which coincided with a letter-writing campaign by the Association of Canadian Universities for Northern Studies, addressed the imminent collapse of Canadian polar science. Nevertheless some arctic-related work is going on (see item 4 below). It was suggested that the government could help to establish sovereignty over the Canadian arctic by supporting field researchers in the Arctic. A symposium on Biology of the Arctic, to be held in Toronto in January at the meeting of the Society for Integrative and Comparative Biology, includes a paper on the seasonal adaptations of arctic insects.

#### *Insects of Keewatin and Mackenzie*

A field trip in summer 2002 by canoe along 300 km of the Thelon River visited an area containing trees and other organisms well north of their typical range, and yielded very interesting material. An expedition will take place in 2003, likely farther to the east.

### **Other scientific F priorities**

#### *Invasions and reductions*

Several members of the Committee are cooperating to evaluate how to use coccinellids as a model to investigate invasive species. Some data have been received and protocols to get all the specimen data in a similar format are being discussed.

*Survey web site*

Major updates to the Survey's website include a section on 'Specific sources of funding' (under the 'Biodiversity unding' brief), the Spring and Fall BSC newsletters (including additional photographs for the article on the Thelon River expedition), and the 2002 Grasslands newsletter. The online database of workers has been upgraded and the Survey is soliciting updates. Members of the Committee commented that the website is a rich and generous resource.

*Voucher specimens*

Examples were provided about the deposition policies of museums, good and bad voucher policies and journal policies with respect to published papers. A complete draft of a Survey brief on voucher specimens will soon be available for final review by the Committee.

*Other priorities*

The Committee also received information on earlier and currently less active projects, a prospective project about arthropods and fire, and updates about old-growth forests, endangered species, damaged ecosystems, faunal analysis, Survey publicity and other subjects.

**Liaison and exchange of information**

*Canadian Museum of Nature*

Dr. Mark Graham, Director, Research Services, reported on activities from the Global Biodiversity Information Facility. Canada is a member of GBIF [[www.gbif.org](http://www.gbif.org)]. The organization has a staff of 14 and there are 21 member countries. The aim is to co-ordinate information on biodiversity so that member countries can share and access it. One work program aims to digitize information on the natural history specimens on earth. Another aims for a complete list of all species names. GBIF will have programs to grant seed money, primarily for informatics research. The Museum is starting a new 5-year planning focus. Environmental change will be a key issue for the next 5 years. The Museum is helping to organize a consortium of natural history museums.

Members of the Committee expressed their hope for the success of the natural history consortium. They also pointed out that GBIF parallels a similar pattern over previous years with other organizations, where substantial funds were used to build frameworks but no money ever filtered down to the needed work on specimens. Therefore, these initiatives are starting to lose the support that they need from grass-roots scientists. Moreover, informatics schemes tend to be seriously incomplete because they contain known data, but in many insect groups there are very large numbers of undescribed or poorly known species too. A means must also be found to give credit for the work of providing information for these databases.

*Agriculture and Agri-Food Canada*

Dr. Gary Gibson noted that the research branch of Agriculture and Agri-Food Canada, including the group formerly known as the Eastern Cereal and Oilseed Research Centre, is undergoing reorganization. Systematists in Ottawa have been assigned to the Biodiversity theme within the program of Environmental Health. A systematic entomology position is being staffed at the Canadian National Collection, the first new one in 12 years. Visiting scientists and others

working unattended after hours at the Centre must now receive security clearance. All documents including scientific ones on federal government websites must now be available in both official languages, a requirement that has had repercussions on projects in progress. There are other consequences of the requirement for French and English versions. For example, members of the Committee noted that many primary publications have been removed from web resources because they are not available in both languages, and scientists are forbidden from listing the titles of their publications on government websites unless they are available in both languages.

*Entomological Society of Canada*

Dr. Gibson reported on behalf of Society President Dr. Sandy Smith about the recent annual general meeting held in Winnipeg, and outlined the changes that have been made at *The Canadian Entomologist*.

*Canadian Forest Service*

Dr. John Huber was representing the Canadian Forest Service because most staff had been called to a meeting to discuss new priorities. The CFS continues to reorganize and examine its directions; budgets have been put on hold and will be reallocated for the remainder of the fiscal year. Ideas being considered are how national priorities relate to the biodiversity theme and how to identify scientific work that will address critical national needs and offer opportunities for products that result in high impact and visibility. At Forestry there will be 40% turnover of scientific staff over the next 5 years. The Director General wants the Science Branch to show increased relevance to clients, to balance regional needs with national objectives, to integrate science and policy more strongly, and to focus on important issues. The number of listed projects will be reduced. These proposals will lead to further exercises and discussions.

*Environment Canada*

A new Water Quality Directorate at Environment Canada combines the various aspects of water quality such as contaminants and pathogens that currently are under different directorates. The Ecological Monitoring and Assessment Network is now part of the Knowledge Integration Directorate. The General Status of Species program at the Canadian Wildlife Service is planning for the report "Wild Species 2005", which will include national ranks for a range of taxonomic groups including some insects.

*Parasitology module, Canadian Society of Zoologists*

Dr. Marcogliese reported that work continues on the protocols for EMAN. The stickleback project also continues. Most of the presentations from a Biodiversity symposium at the International Congress of Parasitology will be published in a special issue of the *Journal of Parasitology* in 2003.

*Parks Canada*

Dr. Danks reminded the Committee that Mr. Alvo, Parks Canada, attended the April meeting. Dr. Danks had sent him extensive information about the Survey. Its receipt had been acknowledged. No Parks representative was able to come to this meeting.

Prompted by the recent announcement of 10 new national parks and 5 new national marine conservation areas over the next 5 years, the Committee noted that despite the mandate of

ecological integrity and recognition of the need to study the parks and gather baseline data, there is no additional funding. Therefore, the Committee drafted a letter (subsequently refined and sent) to relevant decision makers, pointing out the need for adequate resources and for the use of existing outside expertise for study of Parks biota.

*Natural Sciences and Engineering Research Council of Canada*

The NSERC reallocation process has been completed (including some input from the Committee). Funding through the Grant Selection Committee handling systematics and other topics (and other life sciences committees) was cut significantly, to the benefit of chemistry, physics, computers and informatics.

**Other items**

*Reports on regional development of potential interest*

Members of the Committee summarized information of interest to the Survey from various parts of the country. Among many other items, in British Columbia, an attractive field handbook on the dragonflies of British Columbia and the Yukon has been published. The future of the successful pest management program at Simon Fraser University is still uncertain. In the prairies, the 50<sup>th</sup> annual meeting of the Entomological Society of Alberta (October 24 – 26) included a keynote address by Dr. George Ball summarizing 50 years of entomology in Alberta. In Ontario, the Royal Ontario Museum is continuing with its major upgrade. Personnel changes across the province were reviewed. In Quebec, a record number of samples was received by the pest diagnostic clinic including some new records for North America. The joint meeting of the Conférence Internationale Francophone d'Entomologie and the Société d'Entomologie du Québec was held in July. Faculty positions have been or are being filled by entomologists in several institutions. A new network, le Réseau Québécois de la Biodiversité, has been formed. In the Maritimes and Newfoundland, a workshop was organized by the Biodiversity Convention Office and the Federal-Provincial Territorial Working Group in July to draft an outline of a research agenda for biodiversity. A faculty position in biodiversity is available at the University College of Cape Breton. For the arctic, the fact that the Polar Continental Shelf Project's budget was cut by 20% last year (so that some arctic researchers did not receive any logistic support) had led to an active letter-writing campaign to members of parliament and other agencies.

*Other matters*

The Committee also considered information about other subjects, including international liaison, membership of the Scientific Committee, and operations of the Biological Survey Secretariat.

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## **Personalia**

In Memory

### **Aylward Ernest Richardson Downe (1928-2002)**

Excellence is a rarely achieved goal, which many of us strive for in our lives, and when achieved, it usually pertains to a highly specialized skill or narrow area or expertise. True excellence, however, the kind that raises the standards of performance not for one, but for many, can only be embodied. Excellence of this kind figures frequently in reveries, rarely in reality. Al Downe was one of the few who embodied excellence in his life, his work and his leisure. He blazoned a trail for many young academics, and stood as an example to them.

Born in 1928, Al had a spotty high school career, but this was a momentary blip on his academic record, for while working on oil rigs in northern Alberta, he became fascinated by the fossils of invertebrate organisms that he encountered on the drilling sites. This fascination led him back into the academic stream, and he completed a BSc in entomology at the University of Alberta in 1952. By invitation, he then pursued an MA in Biology at Queen's University under A. S. West's tutelage, receiving that degree in 1954. After working as a research officer with the federal Department of Agriculture, he returned to Queen's University and Professor West's lab to embark on a PhD program, which he finished in 1961. For the first three years of his professional career Al was an assistant professor at Kansas State University, then an associate professor at the University of Saskatchewan in Regina. In 1967, he once more moved to Queen's University, this time to stay till his retirement in 1993. He was promoted to professor in 1970 and served as department head from 1977 till 1980. His stellar career at Queen's did not go unnoticed: he was elected a fellow of the Entomological Society of Canada and a member of the New York Academy of Science. However, the awards that meant most to him came from the Biology Department student body, which twice voted him their teacher of choice (1991 and 1993).

Al Downe's research was concerned primarily with haematophagous insects and the physiological mechanisms of reproduction, insecticide resistance, immuno-chemistry and recently also recombinant DNA techniques. In 1989, Queen's University received three million dollars from a Centre of Excellence grant to apply advanced biotechnology to insect pest management. Al was one of the principle investigators of this project with Bill Bendena, Virginia Walker and Gerry Wyatt from the Biology Department, and Eric Carstens and Peter Faulkner from Microbiology and Immunology. During his tenure at Queen's, Al took two sabbatical leaves, both to work with Lewis Davies at the University of Durham, an association he frequently referred to as significant for his career. Saying that Al published close to 200 peer-reviewed scientific publications, taught thousands of undergraduates, and successfully supervised over three dozen graduate students may be a valid summary of this man's career output, but it does not do justice to the breadth and depth of this person, or the impact he made on our lives.

Al was a fine colleague. One could count on getting valuable advice from him, partly because he was a master at phrasing criticism in a way, which made it easier to swallow. However, he did not suffer pomp or false dignity easily, and was known to be able to hit upon the perfect put down for any occasion. I will always remember him for his obvious enjoyment of life. Humour was a big part of Al; even when later in his life he was not well physically. The last time I talked with him, an obvious touch of cynicism had crept into his humour, but humour it was. I miss his laughter. I miss him.

Al is survived by his wife Evelyn, his daughters Kathryn and Pamela, and his son Alan.

Dolf Harmsen, Kingston, Ont.

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### **William Arnold Nelson (1918 - 2002)**

William Arnold (Bill) Nelson died on October 12, 2002 after a short illness with cancer. He was born in Lethbridge, Alberta on June 24, 1918 where he completed his secondary education. He received his BSc. in chemistry and biological sciences at the University of Alberta in 1944 and MSc and PhD at McGill University in Medical Entomology in 1948 and 1957 respectively.



Bill joined the Experimental Farm Service, Canada Department of Agriculture, at Lethbridge in 1941 as a summer student and served in this capacity for two summers. Through 1943 to 1947, Bill was as Agricultural Assistant with The Dominion Entomological Laboratory working on a project on wheat stem sawfly resistance in wheat. In 1948, he transferred to the Livestock Insects Laboratory, which later changed names to Veterinary-Medical Entomology Section and then to Animal Parasitology Section, to conduct research on pests of sheep and cattle. He demonstrated that sheep acquire resistance to keds, this being mediated locally in the skin, and that this resistance response caused economic losses in mutton wool, indicating the necessity for control of the pests. He demonstrated that cattle acquire a similar resistance to sucking lice.

Bill's research on host-parasite relationship in livestock pests has been widely recognized and the results have been published in about 30 scientific papers. He co-authored and internationally recognized review of literature on host-parasite relationships. He was invited to lecture at symposiums in Australia, Washington, D. C. and in Canada.

Bill was an avid photographer and loved to travel. He took great interest in the cultural life in Lethbridge. He was a strong supporter of the Lethbridge Symphony and served on the Lethbridge Allied Arts Council. Bill was an active member of the Entomological Society of Alberta and the American Society of Parasitologists and he served as Associate Editor of the Journal of Medical Entomology. He was an Honorary Life Member of the Entomological Society of Alberta, and Honorary Life Member of the Schizophrenia Society of Alberta and a member of the Regional



Mental Health Advisory committee. Bill was a lay reader with Anglican Church active in giving communion to residents of nursing homes.

Besides his loving wife Margaret, Bill is survived by his children Kathryn, Murray, and Mark and four grandchildren. Bill will be missed by his family and many friends and colleagues.

Joe Shemanchuk

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### **Recent Deaths**

André A. Beaulieu, St-Jean-sur-Beaulieu Quebec, died on 11 February 2003 at age 91. André was director of the station at St-Jean-sur-Richelieu from 1962-1972.

Doug Ferguson, died on 4 November 2002 at age 76. Both Doug and his wife Charlotte were from Nova Scotia. Doug was a lepidopterist at the USDA, Washington DC.

Arthur Ghent died 2 or 3 years ago at the age or about 73. Arthur was a professor in the Biology Department at the University of Illinois.

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### **News of Organizations and Meetings**

#### **Annual General Meeting of Entomological Society of Saskatchewan**

AAFC Saskatoon Research Centre, Saskatoon, Sask., Canada, 9<sup>th</sup> May 2003

Contact: Cedric Gillott, Department of Biology, University of Saskatchewan, 112 Science Place Saskatoon, SK S7N 5E2. Phone: (306) 966-4401; Fax: (306) 966-4461;

E-mail: [gillott@duke.usask.ca](mailto:gillott@duke.usask.ca)

Web Site: <http://www.usask.ca/biology/ess/>

#### **63<sup>rd</sup> Annual Meeting of Acadian Entomological Society and Maine Entomological Society**

Bar Harbor, Maine, USA, 22-24 June 2003

Contact: Andrei Alyokhin, Department of Biological Sciences, 5722 Deering Hall, University of Maine, Orono, ME 04469, Phone: (207) 581-2977, Fax: (207) 581-2969

E-mail: [andrei.alyokhin@umit.maine.edu](mailto:andrei.alyokhin@umit.maine.edu)

Web Site: <http://www.upei.ca/~aes/2003meeting.htm>

#### **51<sup>st</sup> Annual Meeting of the Entomological Society of America**

Cincinnati, Ohio, USA, 26-29 October 2003

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

**51<sup>st</sup> Annual Meeting of the Entomological Society of Alberta**

Athabasca University, Athabasca, Alberta, Canada, 2-4 October 2003

Contact: Robert Holmberg, Centre for Science, Athabasca University, 1 University Drive, Athabasca, AB T9S 3A3, Phone: (780) 675-6203, E-mail: [robert@athabascau.ca](mailto:robert@athabascau.ca)

Web site: <http://www.biology.ualberta.ca/courses.hp/esa/esa2003.htm>

**54<sup>th</sup> Annual Meeting of the Lepidopterists' Society**

Olds College, Olds, Alberta, Canada, 23-27 July 2003

Contact: Felix Sperling, Department of Biological Science, M-354 Biological Sciences Centre, University of Alberta, Edmonton, AB T6G 2E9, Phone: (780) 492-3991

E-mail: [felix.sperling@ualberta.ca](mailto:felix.sperling@ualberta.ca)

Web page: <http://alpha.furman.edu/~snyder/snyder/lep/meet.htm>

**The XV<sup>th</sup> International Plant Protection Congress,**

Beijing, China, 6-11 July 2003.

Sponsored by The International Association for the Plant Protection Sciences, and Organised by China Society of Plant Protection.

Contact: Ms. WEN Liping, Secretariat, 15th IPPC, c/o Institute of Plant Protection, Chinese Academy of Agricultural Sciences, Beijing 100094 China, Phone: 0086 10 62815913 , Fax: 0086 10 62815913, E-mail: [ippc2003@ipmchina.net](mailto:ippc2003@ipmchina.net)

Web page: <http://www.ipmchina.net/ippc/ippcwelcome.html>

**II International Congress of Coleopterology**

Prague, Czech Republic, 14 - 21 Sept 2003

European Association of Coleopterology, Czech Entomological Society and Forestry and Game Management Research Institute Jiloviste

Contact: Milos Knizek, Secretary of the Congress, Forestry and Game Management Research Institute, Jiloviste - Strnady, Praha 5 - Zbraslav, CZ - 156 04, Czech Republic

Phone: 420-2-57921643, Web page: <http://www.coleocongress2003.cz/>

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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.**

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.

Le **Bulletin de la Société d'entomologie de 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

*Illustrated on the front cover is Tephritis angustipennis (Loew) (Diptera: Tephritidae). This fruit fly is markedly boreal in distribution in North America, occurring from Alaska and the Mackenzie River Delta east to Nova Scotia, south to central Colorado and southern Michigan, and also in northern and eastern Europe. It has been reared from one species each of Achillea (Asteraceae), Aster (Asteraceae) and Tanacetum (Asteraceae); unlike many species of the family it is of little or no economic importance. Habitus drawing by B Flahey, from McAlpine et al. (Editors) 1981-1989, "Manual of Nearctic Diptera, Vol 2", reproduced with permission from Agriculture and Agri-Food Canada.*

*On trouvera sur la couverture une illustration de Tephritis angustipennis (Loew) (Diptera: Tephritidae). Cette mouche a une répartition principalement boréale et se rencontre d'un bout à l'autre de l'Amérique du Nord, depuis l'Alaska et le delta du Mackenzie jusqu'en Nouvelle-Ecosse et au centre du Colorado et du Michigan. On la trouve également en Europe orientale et septentrionale. Elle a été élevée avec succès sur une espèce de chacun des genres suivants: Achillea (Asteraceae), Aster (Asteraceae) et Tanacetum (Asteraceae); contrairement à plusieurs espèces de la même famille, cette mouche est sans importance économique. Habitus dessiné par B Flahey, d'après McAlpine et al. (éditeurs) "Manual of Nearctic Diptera Vol. 2", reproduit avec la permission d'Agriculture et Agroalimentaire Canada.*

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**Officers of Affiliated Societies, 2002-2003** ..... inside back cover



The **Entomological Society of Canada** was founded in 1863 primarily to study, advance and promote entomology. It supports entomology through publications, meetings, advocacy and other activities.

**La Société d'entomologie du Canada** a été établie en 1863 principalement pour promouvoir l'étude et l'avancement de l'entomologie. Elle soutient l'entomologie par l'entremise de publications, de réunions et d'autres activités.