

Bulletin

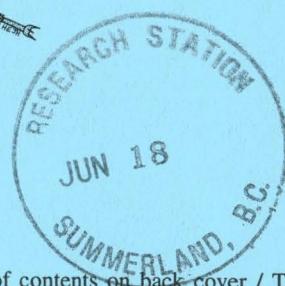
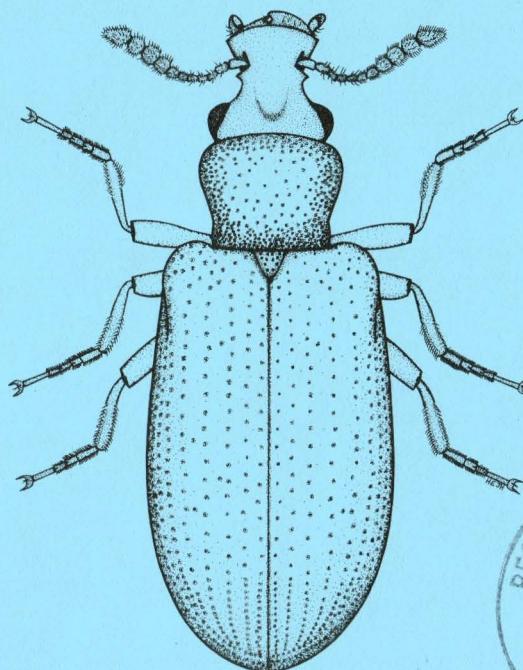
Entomological Society
of Canada

Société d'Entomologie
du Canada

Volume 30

No. 2

June/juin 1998



Entomological Society of Canada
Société d'Entomologie du Canada

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

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des matières sur la couverture-arrière

Date of issue/Date de publication:
June/juin 1998

Web Page for the ESC: <http://www.biology.ualberta.ca/esc.hpl/homepage.htm>

E-mail: entsoc.can@sympatico.ca

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 a Rhinosimus viridiaeus Randall. R. viridiaeus belongs to a group of beetles known as narrow-waisted bark beetles, which are transcontinental in distribution. The adults and larvae are predaceous, feeding on wood-boring beetle larvae within their galleries. [Habitus illustration courtesy of J. Hammond, University of Alberta.]

La page couverture illustre la adulte de Rhinosimus viridiaeus Randall. R. viridiaeus fait partie d'un groupe de coléoptères connu sous le nom de scolyte de l'écorce à faille étroite, qui ont une distribution transcontinentale. Les adultes et les larves sont des prédateurs qui se nourrissent de larves de coléoptères perce-bois à même leurs galeries. [L'illustration est une courtoisie de J. Hammond, Université d'Alberta.]

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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.

SOCIETY BUSINESS/AFFAIRES DE LA SOCIÉTÉ

48th Annual General Meeting

The Annual General Meeting of the Entomological Society of Canada will be held at the *Chateau Frontenac* in Quebec City on November 3, 1998.

La réunion annuelle générale de la Société d'entomologie du Canada aura lieu au *Chateau Frôntenac* à Québec, P.Q., le 3 novembre 1998.

Governing Board Meeting

The Annual Meeting of the Governing Board will be held at the *Chateau Frontenac* in Quebec City on October 31, 1998.

La réunion annuelle du conseil d'administration se tiendra au *Chateau Frôntenac* à Québec, P.Q., le 31 octobre 1998.

Matters for consideration at any of the above meetings should be sent to the secretary at the address below:

Veuillez faire part au secrétaire de tout sujet pouvant faire l'objet de discussion à l'une ou l'autre de ses réunions en communiquant à l'address suivante:

Dr. Rick West
Box 515, Portugal Cove
Newfoundland A0A 3K0
phone and fax: 709-895-2734
email: reely.west@roadrunner.nf.net

The Canadian Entomologist and the Memoirs are available from the Ottawa Office and may be purchased by Mastercard or VISA as well as by cheque or money order.

Please send all correspondence concerning the Bulletin to:

Dr. Hugh J. Barclay
Bulletin Editor
Pacific Forestry Centre
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Please send all correspondence concerning Book Reviews for the Bulletin to:

Dr. Sheila Fitzpatrick
Chair, Publications Committee
Pacific Agri-Food Research Centre
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V0M 1A0
Tel: (604) 796-2221
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E-mail: fitzpatricks@em.agr.ca

The deadline for submissions to be included in the next issue (Vol. 30(3)) is **August 1, 1998**
La date limite pour recevoir vos contributions pour le prochain numéro (Vol. 30(3)) est le **1 août 1998**

**Joint Meeting of the
Entomological Society of Canada and the
Entomological Society of Québec**

Le Château Frontenac, Quebec City, 31 October - 4 November 1998

TENTATIVE PROGRAM

Saturday, 31 October

08:30-17:30 E. S. C. Governing Board Meeting

Sunday, 1 November

09:00-16:30	Registration
10:00-16:30	Workshop: What is the role for research in IPM implementation? (M. Letendre, organizer)
13:30-16:30	Host resistance against the white pine weevil (T. Sahota, organizer)
17:00-19:00	Linnaean Games
19:00-20:30	Opening Ceremonies, ESC Awards, Gold Medal Address
20:30-22:30	Mixer

Monday, 2 November

08:00-16:30	Registration
08:30-12:00	Symposium I: "Applying the Basics of Chemical Ecology in IPM" (J. N. McNeil, organizer). M. Hunter, J Pickett, J-C Gregoire, J. McNeil.
13:30-16:00	Submitted papers / Graduate student paper competitions
15:30-16:30	Heritage Lecture (Dr. Jean-Marie Perron)
16:30-18:00	Entomological Society of Quebec Annual General Meeting
17:30-19:30	Linnaean Games: Finals
19:30-20:30	Students meet the Board
20:30-23:00	President's reception (by invitation only)

Tuesday, 3 November

06:00-09:00	Installation of posters
08:30-12:00	Symposium II: "Evolutionary Ecology: A Conceptual Framework for the Development of IPM" (B. D. Roitberg, organizer). D. Fairbairn, D. Roff, B. Roitberg, J. Conn.
08:30-12:00	Workshop: Insect-flower relations (P. Kevan, organizer).
13:30-16:30	Submitted Papers and Poster session
16:30-18:00	Entomological Society of Canada Annual General Meeting
19:00-23:00	Cocktail and Banquet

Wednesday, 4 November

08:30-12:00	Symposium III: "Insect Physiology and Molecular Biology: Towards the Development of Biorational Insecticides" (M. Cusson, organizer). I. Orchard, R. Nachman, D. Theilmann, S. Palli, M. Cusson.
08:30-12:00	Submitted Papers
08:30-12:00	Workshop: Insect management with physical control methods (C. Vincent and R. Vernon, organizer)
12:30-14:00	Entomological Society of Canada Governing Board Meeting

For additional information, please contact:

Johanne Delisle (Chair) or Michel Cusson (Scientific Program Chair); Canadian Forest Service, P. O. Box. 3800, 1055 P.E.P.S. street, Sainte-Foy (Quebec), G1V 4C7

Telephone: (418) 648-2526

Fax: (418) 648-5849

E-mail: jdelisle@cfl.forestry.ca

Telephone: (418) 648-3944

Fax: (418) 648-5849

E-mail: cusson@cfl.forestry.ca



**Réunion Conjointe de la Société d'entomologie du Canada
et de la Société d'entomologie du Québec**

Le Château Frontenac, Québec, 31 octobre - 4 novembre 1998

PROGRAMME PROVISOIRE

Samedi, 31 octobre

08h30-17h30 Réunion du Conseil d'administration de la S.E.C.

Dimanche, 1er novembre

09h00-16h30	Inscription
10h00-16h30	Atelier: "Quel est le rôle de la recherche dans la mise en oeuvre de la lutte intégrée?" (M. Letendre, organisateur).
	Atelier: "La résistance au charançon du pin blanc" (T. Sahota, organisateur).
17h00-19h00	Jeux linnéens
19h00-20h30	Inauguration officielle, Prix de la S.E.C., Discours Médaille d'Or
20h30-22h30	Réception générale

Lundi, 2 novembre

08h00-16h30	Inscription
08h30-12h00	Symposium I: "L'écologie chimique fondamentale au service de la lutte intégrée" (J. N. McNeil). M. Hunter, J Pickett, J-C Gregoire, J. McNeil.
13h30-16h00	Communications scientifiques et celles des étudiant(e)s (Prix du Président)
15h30-16h30	Allocation du Patrimoine (Dr. Jean-Marie Perron).
16h30-18h00	Réunion générale annuelle de la Société d'entomologie du Québec
17h30-19h30	Jeux linnéens (Finale)
19h30-20h30	Les étudiants rencontrent le Conseil
20h30-22h30	Réception du Président (sur invitation seulement)

Mardi, 3 novembre

06h00-09h00	Installation des affiches
08h30-12h00	Symposium II "L'Écologie évolutive: une approche conceptuelle pour développer la lutte intégrée" (B. D. Roitberg, organisateur) D. Fairbairn, D. Roff, B. Roitberg and J. Conn.
08h30-12h00	Atelier: "Relations fleurs-insectes" (P. Kevan, organisateur)
13h30-16h30	Communications scientifiques et présentation des affiches
16h30-18h00	Réunion générale annuelle de la Société d'entomologie du Canada
19h00-23h00	Cocktail et Banquet

Mercredi, 4 novembre

08h30-12h00	Symposium III: "Physiologie et biologie moléculaire des insectes: vers le développement d'insecticides bio-rationnels" (M. Cusson, organisateur) Orchard, R. Nachman, D. Theilmann, S. Palli, M. Cusson.
08h30-12h00	Communications scientifiques
08h30-12h00	Atelier: "La gestion des ravageurs par l'utilisation de méthodes physiques" (C. Vincent et R. Vernon, organisateurs)
12h30-14h00	Réunion du Conseil d'administration de la S. E. C.

LISTE DES ATELIERS PROVISOIRES

- (1) Mise en Oeuvre de la lutte intégrée: Où en sommes-nous et où devons-nous aller? (M. Letendre)
- (2) 'Delia', la mouche des racines (P. Dixon)
- (3) Relations fleurs-insectes (P. Kevan)

Pour de plus amples informations, veuillez communiquer avec:

Johanne Delisle (Présidente du comité organisateur) ou Michel Cusson (Président du comité scientifique); Service canadien des forêts, C. P. 3800, 1055 rue du P.E.P.S., Sainte-Foy (Québec), G1V 4C7

Téléphone: (418) 648- 2526

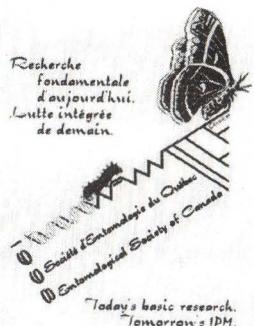
Téléphone: (418) 648- 3944

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Adresse électronique: jdelisle@cfl.forestry.ca

Adresse électronique: cusson@cfl.forestry.ca



**Joint Meeting of the
Entomological Society of Canada and the
Entomological Society of Québec**

Le Château Frontenac, Quebec City (Quebec), 31 October - 4 November
1998

REGISTRATION FORM

Name:

Last First Initial(s)

Title:

City: Province/State:

Postal Code: Telephone:
Fax: E-mail:

Registration fees (in \$CDN) including a banquet ticket and GST.

	Amount paid
Registration, regular member	(\$125)
Registration, non-member	(\$145)
Registration, student member	(\$65)
Registration, student non-member	(\$75)
Registration, accompanying member (\$60)	.....
Name of accompanying person	.....

Activities for participants and their guests

1. Halloween Happy Hour	# persons	x \$10	.....
2. Rally	# persons	x \$0	.....
3. Shopping	# persons	x \$5	.....
4. Ile d'Orléans	# persons	x \$25	.....

Late registration: after August 7 1998, add \$25

Total amount due

Please make cheque payable to "Congrès SEC-SEQ 1998"

Please remember to register for the associates program if desired. For more information on activities, refer to the list of "activities for participants and their guests".

Accommodations: A block of rooms with one double bed (\$95/night) has been set aside for participants at the Château Frontenac. In addition, some rooms with two double beds at \$95/night will be available for students wishing to share a room with another student only. When making your hotel reservation, indicate to the receptionist that you are a student and provide both your name and the name of the other student. Those who need assistance in finding another student with whom to share a room, please contact André Bouchard (address below) before making your reservation. We will do our best to find you a roommate. These rates are only available until September 1st so make your reservations early.

Reservations are available through:

Le Château Frontenac
1 rue des Carrières, Quebec,
(Quebec), G1R 4P5
1-800-441-1414
Telephone: (418) 692-3861
Fax: (418) 692-1751

Return this form and registration fees to:

André Bouchard, Pavillon de l'Envirotron
2480, boul. Hochelaga, Sainte-Foy,
(Quebec), G1K 7P4
Telephone: (418) 656-2131 poste 8873
Fax: (418) 656-7871
E-mail: andre.bouchard@plg.ulaval.ca



Please inform the hotel that you are attending the ESC/SEQ meeting when registering

Réunion Conjointe de la
Société d'entomologie du Canada
et de la Société d'entomologie du Québec

Le Château Frontenac, Québec (Québec), 31 octobre - 4 novembre 1998

FORMULAIRE D'INSCRIPTION

Name:

..... Nom de famille Prénom Initiale(s)

Titre:

Ville: Province/État:

Code postal: Téléphone:

Télécopieur: Adresse électronique

Les frais d'inscription (en \$ canadiens) incluent un billet pour le banquet et la TPS.

Montant à payer

Frais d'inscription, membre régulier	(125\$)	.....
Frais d'inscription, non membre	(145\$)	.....
Frais d'inscription, membre étudiant	(65\$)	.....
Frais d'inscription, étudiant non-membre	(75\$)	.....
Frais d'inscription, membre accompagnant	(60\$)	.....

Nom de l'accompagnant

Activités pour participants et leurs invités

1. "5 à 7" Halloween # personnes	..... x 0 \$
2. Rallye # personnes	..... x 0 \$
3. Magasinage # personnes	..... x 5 \$
4. Ile d'Orléans # personnes	..... x 25 \$

Inscription tardive: après le 7 août 1998, ajoutez 25\$

Montant total

Veuillez faire votre chèque à l'ordre de **"Congrès SEC-SEQ 1998"**

N'oubliez pas de vous inscrire aux programmes des accompagnants si désiré. Pour de plus amples informations sur ces activités, veuillez consulter la liste des "activités pour les participants et leurs invités".

Hébergement: Un bloc de chambres avec un lit double a été mis de côté au Château Frontenac à 95\$/nuit pour les membres réguliers. De plus, des chambres avec deux lits doubles à 95\$/nuit seront disponibles pour les membres étudiants qui désirent partager une chambre avec un autre étudiant seulement. Lorsque vous ferez votre réservation à l'hôtel, indiquez à la réceptionniste que vous êtes étudiant et transmettez-lui le nom de l'autre étudiant. Ceux qui auront besoin d'aide pour trouver un autre étudiant peuvent communiquer avec André Bouchard (adresse ci-dessous) avant de faire la réservation. Nous ferons notre possible pour vous trouver un étudiant désireux de partager les frais d'hébergement avec vous. Ces tarifs sont disponibles jusqu'au 1er septembre seulement, alors veuillez réserver vos chambres assez tôt.

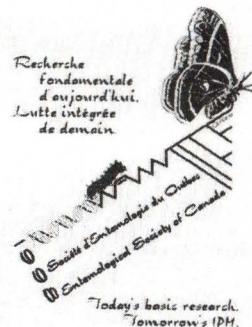
Veuillez réserver auprès de:

Veuillez retourner ce formulaire et les frais d'inscription à:

Le Château Frontenac
1 rue des Carrières, Québec
(Québec), G1R 4P5
1-800-441-1414
Téléphone: (418) 692-3861
Télécopieur: (418) 692-1751

André Bouchard, Pavillon de l'Envirotron
2480, boul. Hochelaga, Sainte-Foy,
(Québec), G1K 7P4
Téléphone: (418) 656-2131 poste 8873
Télécopieur: (418) 656-7871
Adresse électronique: andre.bouchard@plg.ulaval.ca.

Veuillez informer l'hôtel que vous assisterez à la réunion SEC/SEQ



**Joint Meeting of the
Entomological Society of Canada and the
Entomological Society of Québec**

Le Château Frontenac, Quebec City (Quebec), 31 October - 4 November
1998

**FORM FOR SUBMITTED PAPERS, STUDENT PAPERS,
AND POSTER PRESENTATIONS**

DEADLINE: Postmarked June 29, 1998

Information required: Authors's names, name of presenter, address, title, abstract

Abstracts should be 50 words or less; submission by e-mail or on diskette would be much appreciated.
If it is possible, please provide your abstract in both English and French.

Category of presentation (please check):

Regular **President's Prize*** **Prix Melville-Duporte**** **Poster**

* Students are eligible for the President's Prize if they meet the following criteria:

1. You must be enrolled in a graduate degree program or have graduated from a program less than six (6) months prior to the meeting.
2. You must be registered at the meeting; and
3. You must be the principal investigator of the paper.

** Students are eligible for the Prix Melville-Duporte if they meet the following criteria:

1. You must be a member of the ESC
2. You must be registered at a university or have completed your studies during the year preceding the meeting; and
3. You must be registered at the meeting.

Note: Students who meet the criteria of both Societies may participate in both competitions.

Oral presentation (regular, President's Prize, Prix Melville-Duporte): 12 min + 3 min discussion. Kodak slide projectors will be the only type of audio-visual equipment available. Slides should be provided in a carousel.

Posters: Maximum dimensions: 1m x 2m (width x height)
Attachment to pannel: Velcro only

Please return to: Michel Cusson (Scientific Program Chair) Canadian Forest Service, P. O. Box. 3800, 1055 P.E.P.S. street, Sainte-Foy (Quebec), G1V 4C7; Telephone: (418) 648-3944; Fax: (418) 648-5849; E-mail: cusson@cfl.forestry.ca



Réunion Conjointe de la
Société d'entomologie du Canada
et de la Société d'entomologie du Québec

Le Château Frontenac, Québec (Québec), 31 octobre - 4 novembre 1998

**FORMULAIRE D'INSCRIPTION: COMMUNICATIONS ORALES
RÉGULIÈRES ET ÉTUDIANT(E)S, ET PRÉSENTATIONS D'AF-
FICHES**



DATE LIMITÉE: portant la marque postale du 29 juin, 1998

Informations demandées: Noms des auteurs, nom du présentateur, adresse, titre, résumé

Les résumés ne doivent pas dépasser 50 mots. Prière d'envoyer vos résumés par courrier électronique ou sur disquette. Pour ceux qui le peuvent, veuillez fournir votre résumé en anglais et en français.

Catégorie de présentation (veuillez cocher):

Régulière _____ **Prix du Président*** _____ **Prix Melville Duporte**** _____ **Affiche** _____

* Les étudiants sont éligibles au Prix du Président s'ils satisfont aux critères suivants:

- 1) ils doivent être inscrits dans un programme d'études graduées ou avoir gradué d'un tel programme dans les six (6) mois précédent la Réunion conjointe;
- 2) ils doivent être inscrits à la Réunion conjointe; et,
- 3) ils doivent être le chercheur principal de la communication.

** Les étudiants sont éligibles au prix Melville Duporte s'ils satisfont aux critères suivants:

- 1) ils doivent être membres en règle de la SEQ
- 2) ils doivent être inscrits dans une université ou avoir terminé leurs études au cours de l'année précédent le congrès
- 3) ils doivent être inscrits à la Réunion conjointe.

N. B. Les étudiants qui satisfont aux exigences des deux Sociétés peuvent participer aux deux compétitions.

Communications orales (régulière, Prix du Président, Prix Melville-Duporte): 12 min + 3 min de discussion. Le seul équipement audiovisuel disponible sera un projecteur à diapositives Kodak. Les diapositives devront être placées dans un panier de projection avant la présentation.

Affiches: Dimensions maximales: 1m x 2m (largeur x hauteur)
Montage sur panneaux: Velcro seulement

Veuillez retourner à: Michel Cusson (Président du programme scientifique) Service canadien des forêts, C. P. 3800, 1055 rue du P.E.P.S., Sainte-Foy (Québec), G1V 4C7; Téléphone: (418) 648-3944; Télécopieur: (418) 648-5849; Adresse électronique: cusson@cfl.forestry.ca

**Joint Meeting of the
Entomological Society of Canada and the
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Le Château Frontenac, Quebec City (Quebec), 31 October - 4 November
1998



ACTIVITIES FOR PARTICIPANTS AND THEIR GUESTS:

SATURDAY, OCTOBER 31: HALLOWEEN HAPPY HOUR

Come and meet us at the Bar Saint-Laurent of the Cahtaeu Frontenac at 5:00 pm. Suggestions for around town evening activities with a Halloween flavour will be provided.

SUNDAY, NOVEMBER 1st: RALLY

Spend an afternoon discovering the secrets of old Quebec and fall under the spell of the charm and warmth of its people. To help you learn about the diversity of the city's architecture, the majesty of its geographical setting, the uniqueness of its fortifications and the history of this jewel in the world's heritage crown, we've organized a rally. So come and join a team and compete for fun and prizes.

**MONDAY, NOVEMBER 2nd: "GALERIES DE LA CAPITALE"
SHOPPING CENTRE**

For the ultimate shopping experience, embark on this excursion to the Galeries de la Capitale, departing at 9:30. Enjoy a leisurely browse through some of the 250 boutiques followed by a stop at your choice of 30 restaurants. During the day, why not stop at the IMAX theater, go for a skate at the indoor skating rink or take in a recent movie at the Cinéma. Fee for transportation (~\$5). Optional activities will be offered on site. Skate rental available at the rink.

TUESDAY, NOVEMBER 3rd: ÎLE D'ORLEANS AND CHUTE MONTMORENCY

Depart at 9:30 for a great tour! First stop will be the Chute Montmorency, an 83-m-high water fall in all its natural splendor. Then, we'll continue on to the Île d'Orléans, an island set off Quebec City in the St. Lawrence River and which constitutes the largest historic area in Quebec. There, owners of the Ferme Monna, a black currant farm, will greet us with a glass of wine. Since no visit in Quebec would be complete without a stop at a sugar house, we'll take you for a traditional meal and maple taffy on snow at the Cabane à sucre L'Entailleur. So, join us for an encounter with architecture, history, craftsmanship, and the St. Lawrence River. The fee (\$25) includes transportation and lunch.

MANY SUGGESTIONS FOR RESTAURANTS, BARS, PUBS AND OTHER ACTIVITIES WILL BE AVAILABLE ON SITE AT ALL TIMES

For further information please contact:

Michèle Roy, Centre de recherche et d'expérimentation en régie et protection des cultures,
Complexe scientifique, D1.110, Ste-Foy, Quebec, G1P 3W8
Telephone: (418) 643-9729; Fax: (418) 646-6855
E-mail: michele.roy@agr.gouv.qc.ca

**Réunion Conjointe de la
Société d'entomologie du Canada
et de la Société d'entomologie du Québec**

Le Château Frontenac, Québec (Québec), 31 octobre - 4 novembre 1998

ACTIVITÉS POUR LES PARTICIPANTS ET LEURS INVITÉS:

LE SAMEDI 31 OCTOBRE: "5 `A 7" HALLOWEEN

Venez prendre un verre avec nous au Bar Saint-Laurent au Château Frontenac. Plusieurs suggestions "halloweenesques" vous seront offertes pour agrémenter votre soirée dans la ville de Québec.

DIMANCHE, 1er NOVEMBRE: RALLYE

En après-midi, partez à la découverte de la vieille Capitale. Laissez-vous tenter par la chaleur de ses gens, la diversité de son architecture, la splendeur de son paysage, ses fortifications uniques en Amérique du Nord et l'histoire de ce Joyau du patrimoine mondial. Nous vous proposons un rallye en équipe aussi divertissant qu'enrichissant au coeur du Vieux-Québec. Venez vous joindre à une équipe et compétitionner pour le plaisir et pour des prix.

LUNDI, 2 NOVEMBRE: GALERIES DE LA CAPITALE

Départ 9h30 pour les Galeries de la Capitale. Le rendez-vous parfait pour le magasinage! Plus de 250 boutiques et 30 restaurants sont là pour vous faire plaisir. Une grande variété. Pour se reposer, au cours de la journée, le théâtre IMAX, la patinoire des Galeries et le Cinéma vous proposent le divertissement complet. Frais de transport (~5\$). Activités facultatives et location de patins si désirée.

MARDI, 3 NOVEMBRE: ÎLE D'ORLÉANS ET CHUTE MONTMORENCY

Départ 9h30 pour la grande tournée! La chute Montmorency, haute de 83 m., lieu de notre premier arrêt, nous dévoile toute sa splendeur naturelle. Ensuite, l'Île d'Orléans, le plus gros arrondissement historique au Québec, s'ouvre à nous. La ferme Monna, où la culture du cassis s'implante, nous accueille avec un verre de vin! Dîner traditionnel à la Cabane à sucre l'Entailleur et dégustation de tire sur neige. Une rencontre avec l'architecture, l'histoire, les artisans et le fleuve St-Laurent. Frais de transport et de repas (25\$).

**PLUSIEURS SUGGESTIONS DE RESTAURANTS, BARS/PUBS ET AUTRES ACTIVITÉS
SERONT DISPONIBLES SUR PLACE EN TOUT TEMPS**

Pour de plus amples informations veuillez communiquer avec:

Michèle Roy

Centre de recherche et d'expérimentation
en régie et protection des cultures,
Complexe scientifique, D1.110
Ste-Foy, Québec, G1P 3W8
Téléphone: (418) 643-9729
Télécopieur: (418) 646-6855
Adresse électronique: michele.roy@agr.gouv.qc.ca



**Joint Meeting of the
Entomological Society of Canada and the
Entomological Society of Québec**

Le Château Frontenac, Quebec City (Quebec), 31 October - 4 November
1998



FOURTH ANNUAL CANADIAN LINNAEAN GAMES

The ESC-ESQ Joint Meeting Organizing Committee and the SAC are planning a bilingual version of the fourth annual Linnaean Games. The games involve teams of four people competing against each other to answer questions about entomology. They have been a great success in past years. The primary goal is to provide an activity for students at meetings that is both educational and entertaining. The games are named after Carolus Linnaeus, to recognize his contributions to entomology. For more information about the history and the rules of the games, refer to the Bulletin of the Entomological Society of America (now American Entomologist), 31(3):5-6.

The preliminary round of the games in Quebec City are scheduled for Sunday, November 1st at 17:00 and the finals are scheduled for Monday, November 2nd at 17:30. Subject areas for questions will include: behavior, Canadian entomological current events and history, crop protection, ecology, forestry, morphology, physiology, taxonomy, and toxicology. Questions will be presented orally and visually, with the aid of slides.

The Student Affairs Committee invites student members of the E.S.C. to register, either as a team of four people, or as individuals (so we can put you on a team). Depending on the response, there may be space available for a "drop-in" team to be filled at registration. Please send your response by August 1, 1998.

Linnaean Games Registration Form

Name of team:

Institution:

Team members:

.....
.....
.....

or:

Name of individual:

Institution:

The Logo

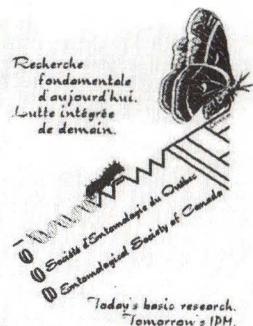
Please return this form to:

André Bouchard, Pavillon de l'Envirotron
2480, boul. Hochelaga, Sainte-Foy,
(Quebec), G1K 7P4
Telephone: (418) 656-2131 poste 8873
Fax: (418) 656-7871
E-mail: andre.bouchard@plg.ulaval.ca

The logo incorporates the themes of the three symposia, paying a tribute to *Hyalophora cecropia*. This insect's natural beauty is unquestionable and studies on different aspects of its life cycle have greatly contributed to our general entomological knowledge. The logo is the work of Claude Everaerts, a researcher with C. N. R. S. in Dijon, who was on sabbatical leave at Laval University, in 1997.

Réunion Conjointe de la
Société d'entomologie du Canada
et de la Société d'entomologie du Québec

Le Château Frontenac, Québec (Québec), 31 octobre - 4 novembre 1998



QUATRIÈMES JEUX ANNUELS LINNÉENS CANADIENS

Le comité organisateur de la réunion conjointe de la SEC-SEQ et le comité des affaires étudiantes organisent une version bilingue des quatrièmes jeux linnéens canadiens. Le jeu met en compétition des équipes de quatre joueurs qui doivent répondre à des questions d'entomologie. Ces jeux ont connu un grand succès dans le passé. Le but principal des jeux est de donner aux étudiant(e)s qui sont à la réunion l'occasion de participer à une activité à la fois éducative et divertissante. Les jeux sont nommés en l'honneur de Carl von Linné afin de reconnaître sa contribution au domaine de l'entomologie. Pour de plus amples renseignements sur l'histoire et les règles du jeu, veuillez consulter le Bulletin de la Entomological Society of America (American Entomologist), 31 (3):5-6.

La manche préliminaire des jeux de Québec est prévue pour dimanche, le 1er novembre à 17h00 et la finale pour lundi, le 2 novembre à 17h30. Les questions porteront sur les sujets suivants: le comportement, les événements actuels et l'histoire de l'entomologie canadienne, la protection des plantes, l'écologie, la morphologie, la physiologie, la taxonomie et la toxicologie. Les questions seront posées sous formes orale et visuelle à l'aide de diapositives.

Le comité des affaires étudiantes invite tous les membres étudiants de la SEC à s'inscrire en équipe de quatre personnes ou individuellement (nous nous chargerons de vous placer dans une équipe). Il est possible qu'il y ait des places disponibles pour former une équipe improvisée au moment de l'inscription. Veuillez faire parvenir votre réponse avant le 1er août 1998.

Formulaire d'inscription: Jeux Linnéens canadiens

Nom de l'équipe:

Institution:

Nom des membres:

.....

.....

.....

ou:

Nom (personne seule):

Institution.....

Veuillez retourner à:

André Bouchard, Pavillon de l'Envirotron
2480, boul. Hochelaga, Sainte-Foy,
(Québec), G1K 7P4

Téléphone: (418) 656-2131 poste 8873

Télécopieur: (418) 656-7871

Adresse électronique: andre.bouchard@plg.ulaval.ca

Le Logo

Le logo représente les thèmes des trois symposia et rend hommage à *Hyalophora cecropia* dont la beauté naturelle est incontestable. De plus, l'étude de différents aspects de son cycle de vie a grandement contribué à notre connaissance générale de l'entomologie. Le logo est l'œuvre de Claude Everaerts, un chercheur du C.N.R.S. à Dijon qui était en année sabbatique à l'Université Laval, en 1997.

Call for Nominations

Achievement Awards Committee

Gold Medal for Outstanding Achievement in Canadian Entomology and The C. Gordon Hewitt Award

Members of the Society are invited to nominate individuals whom they regard as eligible for these awards (for the year **1999**). Nominations should be sent in an envelope marked "Confidential" to the following address:

**Achievement Awards Committee
Entomological Society of Canada
393 Winston Avenue
Ottawa, Ontario
K2A 1Y8**

and should comprise: (1) the name and address of the nominee(s); (2) a statement of relevant achievements; and (3) the name of the nominator and at least one seconder. To be considered by the Achievement Awards Committee, nominations must bear a postmark no later than **December 31 1998**.

The following conditions govern these awards:

1. Outstanding contributions should be judged on the basis of
 - (a) superior research accomplishment either as a single contribution or as a series of associated endeavours and which may be either in entomology or a related field where the results obtained are of great consequence;

or

 - (b) dedicated and fruitful service in the fields of Society affairs, research, administration or education.
2. No more than one of each award shall be granted per year but, where circumstances warrant, more than one individual may be mentioned in a single award.
3. Recipients need not be members of the Society providing their contribution is judged to have a major impact on entomology in Canada.
4. The award may be granted on different occasions to the same recipient but for different contributions to entomology in Canada.
5. Nominees for the C. Gordon Hewitt Award must be less than 40 years of age throughout the calendar year in which the award is both announced and awarded.

Comité des décorations

Médaille d'Or pour Contributions Exceptionnelles à l'Entomologie Canadienne et Prix C. Gordon Hewitt

La Société invite les membres à lui faire parvenir les noms des personnes qu'ils considèrent éligibles à ces deux prix. Veuillez envoyer vos nominations (pour l'année **1999**) au:

**Comité des décorations
La Société d'entomologie du Canada
393 Winston Avenue
Ottawa, Ontario
K2A 1Y8**

dans une enveloppe portant la mention "Confidentiel". La nomination doit contenir: (1) le nom ainsi que l'adresse du (ou des) candidat(s) désigné(s); (2) un compte rendu des réalisations pertinentes; et (3) le nom du parrain et celui d'au moins une deuxième personne appuyant la mise en nomination. Pour être acceptées par le Comité, les nominations devront porter un sceau postal d'au plus tard le **31 décembre 1998**.

Les conditions suivantes régissent le choix des récipiendaires de ces prix:

1. Les contributions exceptionnelles devraient être jugées dans le contexte
 - (a) d'un accomplissement hors pair en recherche, soit comme résultat d'une seule contribution ou d'une série d'efforts reliés et ayant abouti à des résultats de grande valeur. Cette recherche aura été réalisé en entomologie ou tout autre domaine connexe.

ou

(b) de service dévoué et fructueux au profit de la Société, de l'administration de recherche, ou de l'éducation.
2. Chaque prix ne sera décerné qu'une seule fois par année. Cependant, lorsque les circonstances le justifient, plusieurs personnes peuvent collectivement devenir récipiendaires d'un prix.
3. Les récipiendaires ne doivent pas nécessairement être membres de la Société pour autant que l'on juge que leur contribution a eu un impact majeur sur l'entomologie au Canada.
4. Chaque prix peut être décerné plus d'une fois au même récipiendaire mais pour différentes contributions à l'entomologie au Canada.
5. Le candidat désigné pour le prix C. Gordon Hewitt doit être âgé de moins de 40 ans pour toute la durée de l'année au cours de laquelle le prix est annoncé et décerné.

President's Report

This brief update considers developments since my last report (*Bulletin* 30(1): 14-16). A few updates about the membership of committees are given elsewhere in this Bulletin. Both scientific and logistic arrangements for the 1998 joint annual meeting with the Société d'entomologie du Québec in Quebec City are proceeding well thanks to the energy of the organizing committee. The content and setting of the meeting are outlined in this issue of the *Bulletin*, and I invite anyone who is able to do so to register as early as possible, because advanced registrations are helpful to the meeting organizers.

The Society's Treasurer, Dr. Gary Gibson, is leaving Canada in a few months time for one year of study leave. The Society is very fortunate that a highly qualified temporary replacement has been found for the period that Gary will be absent. The Governing Board is very happy to endorse the appointment of Dr. Bob Foottit as Treasurer for this period. I will assist Dr. Foottit on occasions when he is away conducting field work, for example. Dr. Foottit served with distinction as Society Treasurer some years ago, so that the disruption caused by this change will be minimized.

Many of the Society's committees have been active over the past several months, especially the Marketing, Publications, and Membership Committees. The final reports of their work will be available at the annual meeting of the Governing Board, which takes place at the time of the joint annual meeting.

The Society's Executive Council held its mid-term meeting on April 17, 1998, and dealt with a wide range of issues, ranging from matters arising from past operations to rationalizing the way in which secretarial files are handled. Items of particular interest to members include the fact that in 1998, thanks largely to the changed publication procedures, the Society will be on a much sounder financial footing, and should begin to make up for the operating losses incurred over the past several years. The new publication arrangements have been working satisfactorily, and steps are being taken to develop a longer term agreement with National Research Council Press. Finally, recommendations are being developed by the Finance Committee, and by a new ad-hoc committee set up for the purpose, about both financial matters and general guidelines for future joint annual meetings, intended to help the ESC and the affiliated societies with necessary planning.

Compte rendu du président

Ce bref compte rendu porte sur les faits nouveaux survenus depuis mon dernier rapport (*Bulletin* 30(1):14-16). Quelques mises à jour sur la composition des comités figurent ailleurs dans le présent Bulletin. Les dispositions scientifiques et logistiques en vue de la réunion annuelle conjointe de 1998 avec la Société d'entomologie du Québec qui se tiendra dans la ville de Québec sont en bonne voie, grâce à l'énergie du comité organisateur. Le contenu et les modalités de la rencontre sont énoncés dans cette édition du *Bulletin* et j'invite tous ceux qui sont en mesure de le faire à s'inscrire au plus tôt, parce que les inscriptions hâtives simplifient la tâche des organisateurs de la rencontre.

Le trésorier de la Société, le Dr Gary Gibson, quitte le Canada dans quelques mois pour une année d'étude. La Société a l'immense chance de pouvoir profiter de la présence d'un remplaçant temporaire hautement qualifié. Le conseil d'administration est très heureux d'appuyer la nomination du Dr Bob Foottit au poste de trésorier pour cette période; je serai d'ailleurs appelé à le seconder lorsqu'il devra s'absenter pour faire du travail sur le terrain, entre autres. Le Dr Foottit a déjà assumé le rôle de trésorier de la Société il y a quelques années, de sorte que les perturbations que pourrait entraîner ce changement seront minimisées.

Bon nombre de comités de la Société sont actifs depuis plusieurs mois, spécialement ceux du marketing, des publications et des adhésions. Les comptes rendus finals de leur travail seront disponibles à la réunion annuelle du conseil de direction qui aura lieu en même temps que l'assemblée annuelle conjointe.

Le conseil exécutif de la Société a tenu sa réunion de mi-mandat le 17 avril 1998, laquelle portait sur un vaste éventail de sujets, allant des opérations antérieures à la rationalisation de la manipulation des dossiers du secrétariat. Les points présentant un intérêt particulier pour les membres portent notamment sur le fait qu'en 1998, grâce en grande partie aux nouvelles modalités de publication, la Société bénéficiera d'une meilleure assise financière et devrait de ce fait rattraper les pertes de fonctionnement accumulées au cours des dernières années. Les nouvelles dispositions relatives à la publication ont fonctionné de façon satisfaisante, et on est à élaborer une entente à plus long terme avec les Presses du CNRC. Enfin, le comité des finances est à rédiger des recommandations, de concert avec un comité spécial mis sur pied à cette fin, au sujet des questions financières et de l'orientation générale des réunions annuelles conjointes à venir, lesquelles devraient aider la Société d'entomologie du Canada et les sociétés affiliées en ce qui concerne la planification nécessaire.

H.V. Danks
Ottawa, Ontario

Student Affairs Committee Update

There has been a change in the organization of the Student Affairs Committee (SAC) for the 1997-1998 term. Laura Hooper, who was Chair of the SAC for the current term, resigned several months ago for personal reasons. I stepped back into the position of Chair of the Committee this term to finish the work that we started. All other Committee members remain in place, and are contributing significantly to promote student issues within the ESC.

Our main effort this term will be to organize a bilingual version of the Linnaean Games for the 1998 meeting in Quebec. As in the past, the SAC plans that the Games in Canada be a friendly event that will be enjoyable and educational to the contestants and audience. Briefly, the Games involve teams of students that compete by answering questions on various aspects of entomology. We have not established the format for the upcoming Games, but likely there will be French- and English-language sessions of the Games. I hope to get prizes to award to members of the top team(s). I plan to post details about the Games on the ESC home page (www.biology.ualberta.ca/esc.hp/homepage.htm) as soon as possible. Also, see the March 1998 Bulletin for application forms and some info about the Games.

Another goal for the SAC is to update the Directory of Entomological Education in Canada. The Directory contains information about entomology training in Canada and resides on the ESC home page.

Students across the land should be aware that membership in the Entomological Society of Ontario now is free for students. Membership forms can be obtained from the ESO at the URL, www.utoronto.ca/forest/eso/form.htm. FMI on the ESO surf to www.utoronto.ca/forest/eso/eso.htm.

If you have an issue that may be of interest to the SAC, contact me at: Agriculture and Agri-Food Canada, Lethbridge Research Centre, PO Box 3000, Lethbridge, AB, T1J 4B1, Canada; e-mail danyk@em.agr.ca; fax 403-382-3156; phone 403-327-4591, extension 462. The e-mail address of the SAC is esc-student@sfu.ca.

Troy Danyk
Chair, Student Affairs Committee
Lethbridge, Alberta

ENTOMOLOGICAL SOCIETY OF CANADA

FINANCIAL STATEMENTS

DECEMBER 31, 1997

Page 1.

**MCCAY, DUFF
& COMPANY**

CHARTERED ACCOUNTANTS

141 LAURIER AVE., WEST

6TH FLOOR

OTTAWA, ONTARIO K1P 5J3

TEL: (613) 236-2367

FAX: (613) 236-5041

I (800) 267-6551

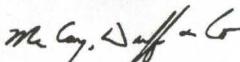
AUDITORS' REPORT

To the Members of the
Entomological Society of Canada.

We have audited the balance sheet of the Entomological Society of Canada as at December 31, 1997 and the statements of revenue and expenditure - General Fund, surplus and changes in financial position for the year then ended. These financial statements are the responsibility of the Society's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform an audit to obtain reasonable assurance whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation.

In our opinion, these financial statements present fairly, in all material respects, the financial position of the Society as at December 31, 1997 and the results of its operations and the changes in its financial position for the year then ended in accordance with generally accepted accounting principles, except that they are not prepared on a proportionate consolidated basis as described in note 4.



Chartered Accountants

Ottawa, Ontario,
March 20, 1998.

JOHN W. FRANKLIN, C.A.

THOMAS W. HOWARTH, C.A.

BRYAN E. SULLIVAN, C.A.

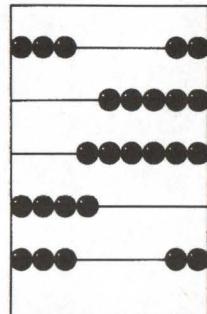
ALBERT G. MONSOUR, B.ADMIN. C.A.

BLAIR E. DAVIDSON, B.COMM. C.A.

G. WARREN TRICKEY, B.COMM. C.A.

ROBERT D. SHANTZ, B.MATH. C.A.

CONSULTANT - ELDREN E. McCONNELL, C.A.



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ENTOMOLOGICAL SOCIETY OF CANADA

BALANCE SHEET

AS AT DECEMBER 31, 1997

	ASSETS			1997 Total	1996 Total
	General Fund	Endowment Fund	Building Fund	Scholarship Fund	
CURRENT					
Cash	\$ 5,149	\$ 18,988	\$ -	\$ 14,279	\$ 38,416
Accounts receivable	36,908	-	-	-	36,908
Accrued interest receivable	2,402	774	-	1,771	4,947
Due from General Fund	-	-	-	770	770
Due from Endowment Fund	583	-	-	-	583
Prepaid expenses	8,830	-	-	-	8,830
	53,872	19,762	-	16,820	90,454
INVESTMENTS (note 3)	129,675	49,631	-	89,780	269,086
INVESTMENT IN BOOK PROJECT (note 4)	74,038	-	-	-	74,038
CAPITAL ASSETS (note 5)	-	-	186,297	-	186,297
	<u>\$ 257,585</u>	<u>\$ 69,393</u>	<u>\$ 186,297</u>	<u>\$ 106,600</u>	<u>\$ 619,875</u>
	LIABILITIES				<u>\$ 645,792</u>
CURRENT					
Accounts payable and accrued liabilities	\$ 56,350	\$ -	\$ -	\$ -	\$ 56,350
Deferred revenue	80,935	-	-	-	80,935
Due to General Fund	-	583	-	-	583
Due to Scholarship Fund	770	-	-	-	770
	138,055	583	-	-	138,638
	SURPLUS				146,882
	<u>\$ 119,530</u>	<u>\$ 68,810</u>	<u>\$ 186,297</u>	<u>\$ 106,600</u>	<u>\$ 481,237</u>
BALANCE - END OF YEAR	<u><u>\$ 257,585</u></u>	<u><u>\$ 69,393</u></u>	<u><u>\$ 186,297</u></u>	<u><u>\$ 106,600</u></u>	<u><u>\$ 619,875</u></u>
					<u><u>\$ 645,792</u></u>

Approved on behalf of the Board:

Governor _____

Governor _____

Page 3.

ENTOMOLOGICAL SOCIETY OF CANADA

STATEMENT OF SURPLUS

FOR THE YEAR ENDED DECEMBER 31, 1997

	General Fund	Endowment Fund	Building Fund	Scholarship Fund	1997 Total	1996 Total
BALANCE - BEGINNING OF YEAR	\$ 138,524	\$ 65,871	\$ 242,800	\$ 102,121	\$ 549,316	\$ 552,215
Change in accounting policy (note 9)	-	-	(50,406)	-	(50,406)	(44,056)
AS RESTATED	138,524	65,871	192,394	102,121	498,910	508,159
Net revenue (expenditure) for the year	(16,951)	2,939	(8,140)	4,479	(17,673)	(9,249)
Interfund transfers	2,043	-	2,043	-	-	-
BALANCE - END OF YEAR	<u>\$ 119,530</u>	<u>\$ 68,810</u>	<u>\$ 186,297</u>	<u>\$ 106,600</u>	<u>\$ 481,237</u>	<u>\$ 498,910</u>

ENTOMOLOGICAL SOCIETY OF CANADA

STATEMENT OF REVENUE AND EXPENDITURE - GENERAL FUND
 FOR THE YEAR ENDED DECEMBER 31, 1997

	Canadian Entomologist		Memoirs and Other Publications		Society		1997		1996	
	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual
REVENUE										
Regular membership	\$ 17,600	\$ 16,280	\$ 1,600	\$ 1,380	\$ 17,600	\$ 16,280	\$ 36,800	\$ 33,940	\$ 36,840	
Student membership	1,250	1,280	-	-	1,250	880	2,500	2,160	2,160	2,340
Emeritus	-	-	-	-	600	600	600	600	600	580
Subscriptions	108,000	110,169	40,000	42,844	12,000	-	160,000	153,013	157,168	
Reprints	14,000	15,497	-	-	-	-	14,000	15,497	13,500	
Page charges	33,000	36,854	7,200	15,976	-	-	40,200	52,830	40,196	
Back issues	3,500	1,137	-	-	-	-	3,500	1,137	3,225	
Sales of Memoirs	-	-	2,500	13,879	-	-	2,500	13,879	2,823	
Sales of Arctic	-	-	-	-	-	-	-	-	-	
Arthropods and	-	-	-	-	-	-	-	-	-	
Bibliography	-	-	-	-	-	-	-	-	-	
Gain on currency	-	-	-	-	-	-	-	-	-	
exchange	-	-	-	-	-	-	-	-	-	
Miscellaneous	-	-	-	-	-	-	-	-	-	
REVENUE										
- Carried Forward	\$ 177,350	\$ 181,217	\$ 51,300	\$ 74,079	\$ 34,650	\$ 20,136	\$ 263,300	\$ 275,432	\$ 262,619	

McCAY, DUFF AND COMPANY, CHARTERED ACCOUNTANTS

ENTOMOLOGICAL SOCIETY OF CANADA
STATEMENT OF REVENUE AND EXPENDITURE - GENERAL FUND
FOR THE YEAR ENDED DECEMBER 31, 1997

	<u>Canadian Entomologist</u>		<u>Memoirs and Other Publications</u>		<u>Society</u>		<u>1997</u>		<u>1996</u>	
	<u>Budget</u>	<u>Actual</u>	<u>Budget</u>	<u>Actual</u>	<u>Budget</u>	<u>Actual</u>	<u>Budget</u>	<u>Actual</u>	<u>Budget</u>	<u>Actual</u>
REVENUE - Carried forward\$	177,350	\$ 181,217	\$ 51,300	\$ 74,079	\$ 34,650	\$ 20,136	\$ 263,300	\$ 273,432	\$ 262,619	
EXPENDITURE										
Publishing and mailing	93,600	106,873	13,200	38,166	-	-	106,800	145,039	126,819	
Reprint costs	7,500	11,345	-	-	-	-	7,500	11,345	7,859	
Bulletin publishing and mailing	-	-	22,124	19,263	17,600	14,241	17,600	14,241	16,729	
Salaries and benefits	60,398	62,605	100	-	11,748	14,447	94,270	96,315	92,429	
Editor's expenses	2,000	3,074	500	-	-	-	2,100	3,074	2,207	
Office	3,000	1,987	-	-	2,500	1,987	6,000	4,967	8,445	
Professional fees	1,600	3,136	-	-	1,600	3,136	3,200	6,272	3,300	
Prizes, awards, brochure	-	-	-	-	1,200	1,558	1,200	1,558	2,308	
Honoria	1,000	1,000	400	-	2,625	2,625	4,025	3,625	3,625	
Committees	-	-	-	-	1,000	1,237	1,000	1,237	672	
Support of other organizations	-	-	-	-	1,700	2,900	1,700	2,900	900	
Annual Meetings: Grant	-	-	-	-	4,000	2,500	4,000	2,500	4,000	
Honorees	-	-	-	-	2,000	548	2,000	548	774	
Governing Board:										
Interim meeting	-	-	-	-	2,000	1,605	2,000	1,605	477	
Annual meeting	-	-	-	-	8,500	4,551	8,500	4,551	6,362	
Other meetings	-	-	-	-	1,000	-	1,000	-	-	
President's discretionary expenses	-	-	-	-	2,000	2,000	2,000	2,000	-	
General	<u>169,098</u>	<u>190,020</u>	<u>36,324</u>	<u>58,422</u>	<u>59,473</u>	<u>54,006</u>	<u>264,895</u>	<u>302,448</u>	<u>278,069</u>	
REVENUE (EXPENDITURE)	8,252	(8,803)	14,976	15,657	(24,823)	(33,870)	(1,595)	(27,016)	(15,450)	
FROM OPERATIONS										
Interest on investments	-	-	-	-	13,000	10,063	13,000	10,063	10,474	
NET REVENUE (EXPENDITURE) FOR THE YEAR	\$ 8,252	(\$ 8,803)	\$ 14,976	\$ 15,657	(\$ 11,823)	\$ (23,805)	\$ 11,405	(\$ 16,951)	\$ (4,976)	

McCAY, DUFF AND COMPANY, CHARTERED ACCOUNTANTS

ENTOMOLOGICAL SOCIETY OF CANADA
STATEMENT OF CHANGES IN FINANCIAL POSITION
FOR THE YEAR ENDED DECEMBER 31, 1997

	<u>1997</u>	<u>1996</u>
CASH PROVIDED BY (USED FOR)		
OPERATING ACTIVITIES		
Cash from operations		
Net revenue (expenditure) for the year		
- General Fund	\$(16,951)	\$(4,976)
- Endowment Fund	2,939	2,556
- Building Fund	(8,140)	(8,596)
- Scholarship Fund	<u>4,479</u>	<u>1,767</u>
	(17,673)	(9,249)
Item not involving cash		
- amortization	<u>6,096</u>	<u>6,350</u>
	(11,577)	(2,899)
Net change in non-cash working capital balances related to operations		
- increase in accounts receivable	(8,539)	(12,427)
- increase in accrued interest receivable	(6)	(1,374)
- (increase) decrease in prepaid expenses	(1,901)	2,938
- increase (decrease) in accounts payable and accrued liabilities	46,393	(1,121)
- increase (decrease) in deferred revenue	<u>(55,990)</u>	<u>583</u>
	(20,043)	(11,401)
INVESTING ACTIVITIES		
Purchase of investments	-	(19,771)
Decrease in Investment in Book Project	<u>5,179</u>	<u>28,329</u>
	<u>5,179</u>	<u>8,558</u>
DECREASE IN CASH POSITION DURING THE YEAR		
	(26,441)	(5,742)
Cash position - beginning of year	<u>64,857</u>	<u>70,599</u>
CASH POSITION - END OF YEAR	\$ <u>38,416</u>	\$ <u>64,857</u>

ENTOMOLOGICAL SOCIETY OF CANADA

NOTES TO FINANCIAL STATEMENTS

DECEMBER 31, 1997

1. PURPOSE OF ORGANIZATION

The purpose of the Organization is to study, promote and advance the study of entomology through meetings, symposia and the publication of original research results. Entomological Society of Canada is incorporated without share capital under Part II of the Canada Companies Act and is exempt from income taxes.

2. SIGNIFICANT ACCOUNTING POLICIES

(a) Accrual Basis of Accounting

Revenue and expenditure are recorded on the accrual basis, whereby they are reflected in the accounts in the period in which they have been earned and incurred respectively, whether or not such transactions have been finally settled with the receipt or payment of money.

(b) Investments

Investments are recorded at cost which approximates market value.

(c) Amortization

Amortization is being claimed on the building at the rate of 4% on the reducing balance basis.

(d) Volunteer Services

The Organization receives volunteer services, the value of which cannot be reasonably estimated. Therefore, no representation of these costs are reflected in the financial statements.

3. INVESTMENTS

	<u>1997</u>	<u>1996</u>
General Fund Bonds, at cost (market value 1997 - \$139,126, 1996 - \$139,647)	\$ <u>129,675</u>	\$ <u>129,675</u>
Endowment Fund Bonds, at cost (market value 1997 - \$55,754, 1996 - \$54,842)	\$ <u>49,631</u>	\$ <u>49,631</u>
Scholarship Fund Bonds, at cost (market value 1997 - \$95,834, 1996 - \$96,152)	\$ <u>89,780</u>	\$ <u>89,780</u>

ENTOMOLOGICAL SOCIETY OF CANADA

NOTES TO FINANCIAL STATEMENTS

DECEMBER 31, 1997

4. INVESTMENT IN BOOK PROJECT

The Entomological Society has invested in the joint project for the publication of "Diseases and Pests of the Vegetable Crop in Canada" in conjunction with the Canadian Phytopathological Society. Both revenue and expenditure are to be shared in an equitable manner. The investment is recorded using the cost method. For the December 31, 1997 fiscal period no accrual was made for sales net of costs as it will be recognized as received. The remaining investment is expected to be recovered over the next few years. The financial statements are in accordance with generally accepted accounting principles, except that they are not prepared on a proportionate consolidated basis.

5. CAPITAL ASSETS

	1997		1996	
	Cost	Accumulated Amortization	Net	Net
Land	\$ 40,000	\$ -	\$ 40,000	\$ 40,000
Building	<u>202,799</u>	<u>56,502</u>	<u>146,297</u>	<u>152,393</u>
	<u>\$ 242,799</u>	<u>\$ 56,502</u>	<u>\$ 186,297</u>	<u>\$ 192,393</u>

6. ENDOWMENT FUND

The direction of the bequest, by which this fund was founded, states that without imposing any legal obligation, hope is expressed that the principal will not be eroded and that the income will be utilized to aid in the publication of the Canadian Entomologist.

7. BUILDING FUND

This fund was created through an appropriation from the General Fund to recognize the expenses of the building independent of operational expenditures. Prior Board approval has been given to appropriate from the General Fund an amount equal to the current year net expenditure in the Building Fund, excluding amortization on the building.

8. SCHOLARSHIP FUND

This fund was created with the objective of awarding scholarships for post-graduate studies in entomology. The fund derives its revenue from donations and from the interest on the invested capital. The money is awarded in three different forms: scholarship for post-graduate studies, travel grant to subsidize student travel expenses incurred in relation to their post-graduate studies; or the Keith Kevan Scholarship which is a scholarship for post-graduate studies oriented toward systematics.

ENTOMOLOGICAL SOCIETY OF CANADA

NOTES TO FINANCIAL STATEMENTS

DECEMBER 31, 1997

9. CHANGE IN ACCOUNTING FOR CAPITAL ASSETS

During the year, the Society adopted the accounting policy of amortizing the building on a reducing balance basis at the rate of 4%. The surplus balance for the Building Fund at January 1, 1997 has been reduced by \$50,406 representing the accumulated amortization to that date. Of the \$50,406, \$6,350 is applicable to 1996 and has been charged to revenue for that year. The remaining \$44,056 is applicable to years prior to January 1, 1996 and the balance of Building Fund surplus at that date has been adjusted accordingly.

10. COMPARATIVE FIGURES

Certain comparative figures have been reclassified to conform with current year presentation.

Page 10.

ENTOMOLOGICAL SOCIETY OF CANADA

SCHEDULE OF ENDOWMENT FUND REVENUE AND EXPENDITURE
FOR THE YEAR ENDED DECEMBER 31, 1997

	<u>1997</u>	<u>1996</u>
REVENUE		
Interest revenue	\$ 4,022	\$ 4,062
EXPENDITURE		
Page charges and reprints	<u>1,083</u>	<u>1,506</u>
NET REVENUE FOR THE YEAR	<u>\$ 2,939</u>	<u>\$ 2,556</u>

ENTOMOLOGICAL SOCIETY OF CANADA

SCHEDULE OF BUILDING FUND REVENUE AND EXPENDITURE

FOR THE YEAR ENDED DECEMBER 31, 1997

	1997		1996	
	Budget	Actual		Actual
REVENUE				
Rental income	\$ 6,120	\$ 6,192	\$ 6,090	
EXPENDITURE				
Amortization		6,096		6,350
Insurance	600	728		718
Property taxes	4,500	4,453		4,430
Repairs and maintenance	2,055	1,162		1,413
Utilities	1,570	1,893		1,775
	8,725	14,332		14,686
NET RENTAL REVENUE (EXPENDITURE) FOR THE YEAR	<u>\$ (2,605)</u>	<u>\$ (8,140)</u>	<u>\$ (8,596)</u>	

ENTOMOLOGICAL SOCIETY OF CANADA

SCHEDULE OF SCHOLARSHIP FUND REVENUE AND EXPENDITURE
FOR THE YEAR ENDED DECEMBER 31, 1997

	<u>1997</u>	<u>1996</u>
REVENUE		
Interest revenue	\$ 6,849	\$ 6,347
Donations	<u>2,384</u>	<u>2,343</u>
	9,233	8,690
EXPENDITURE		
Scholarship awards and travel grants	4,754	6,905
Service charges	<u>-</u>	<u>18</u>
	<u>4,754</u>	<u>6,923</u>
NET REVENUE FOR THE YEAR	<u>\$ 4,479</u>	<u>\$ 1,767</u>

NEWS OF ORGANIZATIONS

Applications published in the Bulletin of Zoological Nomenclature

The following Applications were published on 31 March 1998 in Vol. 55, Part 1 of the *Bulletin of Zoological Nomenclature*. Comment or advice on any of these applications is invited for publication in the *Bulletin* and should be sent to the Executive Secretary (I.C.Z.N.), c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K. (e-mail: iczn@nhm.ac.uk).

Case 2958 *Corisa propinqua* Fieber, 1860 (currently *Glaenocorisa propinqua*; Insecta, Heteroptera): proposed conservation of the specific name

A. Jansson, Zoological Museum, P.O. Box 17, FIN-00014 University of Helsinki, Finland (e-mail: antti.jansson@helsinki.fi)

Abstract. The purpose of this application is to conserve the specific name of the water-boatman *Glaenocorisa propinqua* (Fieber, 1860). Fieber (1848) established the name *Corisa dohrnii* for what was probably (at least in part) the same taxon, but this name has been treated as a synonym of various names and has not been used as valid for more than 50 years; its suppression is proposed.

Keywords. Nomenclature; taxonomy; Heteroptera; CORIXIDAE; water-boatmen; *Corisa dohrnii*; *Glaenocorisa propinqua*.

Case 2957 *Phytobius* Dejean, 1835 (Insecta, Coleoptera): proposed conservation

H. Silfverberg, Zoological Museum, Box 17 (N. Järnvägsgatan 13), FIN-00014 Helsingfors Universitet, Finland

Abstract. The purpose of this application is to conserve the weevil generic name *Phytobius* Dejean, 1835, in its current usage as placed on the Official List of Generic Names in Opinion 1529 (1989). It is threatened by the homonym *Phytobius* Schönherr, 1833 which was established with a different type species.

Keywords. Nomenclature; taxonomy; Coleoptera; CURCULIONIDAE; weevils; *Phytobius*; *Phytobius quadrituberculatus*.

Case 3023 DASYPODIDAE Börner, 1919 (Insecta, Hymenoptera): proposed emendation of spelling to DASYPODAIDAE, so removing the homonymy with DASYPODIDAE Gray, 1821 (Mammalia, Xenarthra)

The late Byron A. Alexander and Charles D. Michener, Snow Entomological Museum, Snow Hall, University of Kansas, Lawrence, Kansas 66045, U.S.A. (e-mail for Prof Michener: michener@falcon.cc.ukans.edu)

Alfred L. Gardner, Biological Resources Division, U.S. Geological Survey, National Museum of Natural History, Washington, D.C. 20560-0111, U.S.A. (e-mail: gardner.alfred@nmnh.si.edu)

Abstract. The family-group name DASYPODIDAE Börner, 1919 (Insecta, Hymenoptera) is a junior homonym of DASYPODIDAE Gray, 1821 (Mammalia, Xenarthra). It is proposed that the

homonymy between the two names, which relate to short-tongued bees and armadillos respectively, should be removed by emending the stem of the generic name *Dasypoda* Latreille, 1802, on which the insect family-group name is based, to give DASYPODAIDAE, while leaving the mammalian name (based on *Dasypus* Linnaeus, 1758) unchanged. *Dasypus novemcinctus* Linnaeus, 1758, the type species of *Dasypus*, has a wide distribution in the southern United States, Central and South America. The genus *Dasypoda* ranges throughout most of the Palearctic region.

Keywords. Nomenclature; taxonomy; Hymenoptera; Mammalia; Xenarthra; bees; armadillos; DASYPODAIDAE; DASYPODIDAE; *Dasypoda*; *Dasypus*.

Opinions published in the Bulletin of Zoological Nomenclature

The following Opinions were published on 31 March 1998 in Vol. 55, Part 1 of the *Bulletin of Zoological Nomenclature*. Copies of these Opinions can be obtained free of charge from the Executive Secretary, I.C.Z.N., c/o The Natural History Museum, Cromwell Road, London SW7 5BD, U.K. (e-mail: iczn@nhm.ac.uk).

OPINION 1890. *Scarabaeus rufus* Moll, 1782 (currently *Aphodius rufus*), *Scarabaeus rufus* Fabricius, 1792 (currently *Aegialia rufa*) and *Scarabaeus foetidus* Herbst, 1783 (currently *Aphodius foetidus*) (Insecta, Coleoptera): specific names conserved.

OPINION 1891. *Crenitis* Bedel, 1881, *Georissus* Latreille, 1809 and *Oosternum* Sharp, 1882 (Insecta, Coleoptera): conserved.

PUBLICATIONS

BOOK REVIEW

Bright, Donald E. and Robert E. Skidmore. 1997. A Catalog of Scolytidae and Platypodidae (Coleoptera), Supplement 1 (1990-1994). NRC Research Press, Ottawa, Ontario, 368 pp., ISBN 0-660-16709-3 (Paperback: \$45.00 CAN in Canada, \$45.00 US elsewhere).

Scolytid and platypodid workers world-wide have been very well served in recent years by the Herculean efforts of Steven Wood and Donald Bright in the production of a Catalog of Scolytidae and Platypodidae. Part 1 consisted of a bibliography containing about 21,500 references spanning the years 1758 to 1984 (Wood and Bright 1987). Part 2 consisted of a taxonomic index to the approximately 7300 described species in these families, as well as several hundred references which updated the bibliography to the end of 1989 (Wood and Bright 1992). These books are invaluable to anyone interested in these two families! I applaud the continued commitment of Don Bright and Robert Skidmore to updating the 1992 catalog, and am pleased to see the first supplement now published.

The first supplement updates the taxonomy, distribution, biology, and literature pertaining to these two families to the end of 1994. Each taxon, from family to subspecies, is conveniently listed with its page number from the 1992 catalog. Synonyms are listed under their own page number, not that of the valid species name. All new genera and species described since completion of the 1992 catalog are included, and are placed at the end of the appropriate tribal or generic section, respectively, without page numbers. New information about each taxon is arranged in the same order as in the 1992 catalog, i.e., Figures, Distribution, Hosts, Notes (taxonomic), and References. The references are sub-divided into eight subject areas, e.g., anatomy, behavior, surveys, taxonomy. The bibliography included with this supplement lists

1420 references, most published between 1990 and 1994, but also some earlier references missed in the 1992 and 1987 bibliographies, and some 1995 references pertaining to taxonomy. Two separate host lists, one for each family, provides alphabetical lists of plant genera and species; each plant taxon is followed by a list of beetle taxa recorded from it. Furthermore, the authors propose 12 new synonymies and six new combinations, and list three unavailable names.

Remarkably, I encountered very few typographical errors, attesting to the careful editing of the manuscript. As a more rigorous test of the completeness of this supplement, I undertook to reconcile the information contained in my considerable library of scolytid literature to that provided in this supplement. The test was passed with honors! All of the taxonomic changes of which I am aware were included in the supplement. Furthermore, 97% of the references in my library were captured in this bibliography. Having first-hand experience with compilation of bibliographies, I rate Bright's and Skidmore's 'batting average' as outstanding. Incidentally, the 1987 and 1992 bibliographies achieved equally high batting averages.

I highly recommend this publication to anyone who has an interest in Scolytidae and Platypodidae. It is an indispensable reference tool of high quality! While the supplement has great use and value on its own, it is increased if you also have the 1992 publication (original taxonomic index). Congratulations to Don and Bob on the publication of this supplement. I hope that the commitment to updating the Catalog of Scolytidae and Platypodidae will continue. I encourage the authors to consider publishing the entire catalog in an electronic format sometime in the future.

David Langor
Canadian Forest Service, Edmonton

IN MEMORY

Paul Klassen (1923-1998)

Paul Klassen passed away in Carman, Manitoba on April 25, 1998 at the age of 74. He was born in Ohrloff, Russia and moved with his parents to Canada in 1924. Paul grew up on a farm in Manitoba and was interested in all aspects of nature, especially butterflies. Since his retirement in 1981 Paul was devoted to studying butterflies. Over the years, he collected throughout Manitoba and elsewhere in western Canada amassing a meticulously curated collection of over 30,000 lepidopteran specimens.

In 1984 he published his Checklist of Manitoba Butterflies in the Journal of Lepidopterists' Society and served for many years as the society's provincial coordinator. In 1986 he received the Norman Criddle Award from the Entomological Society of Canada in recognition of outstanding work among amateur entomologists. Paul developed the original concept and was senior author of *The Butterflies of Manitoba* published in 1989. More recently Paul worked with school children providing talks and workshops on butterflies while devoting research time to his new book *From the Steppes to the Prairies* a history of his family in Russia and Canada. In 1993 Paul was awarded an honorary life-time membership to the Manitoba Naturalists Society.

Prior to his death, Paul made arrangements for his collection to be transferred to The Manitoba Museum where the collection will be housed and made available for research and exhibition. Among others, we, his co-authors, sadly miss our friend.

Dr. W. Brian McKillop
Dr. William B. Preston
Dr. Richard Westwood

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