

Bulletin

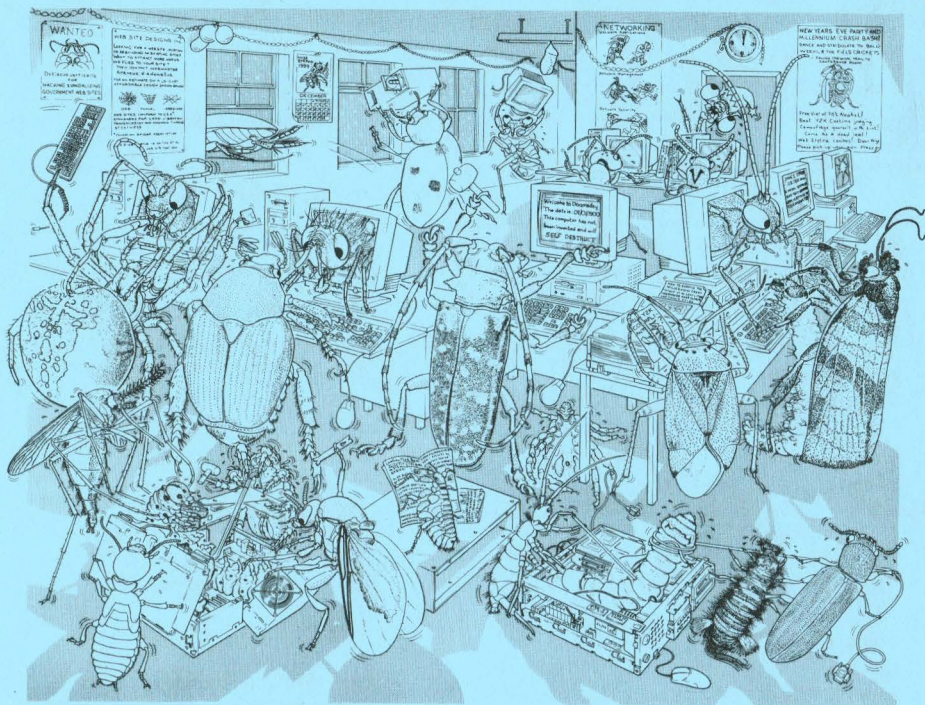
Entomological Society
of Canada

Société d'Entomologie
du Canada

Volume 32

No. 2

June/juin 2000



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

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Web Page for the ESC: <http://www.biology.ualberta.ca/esc.hp/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 du Canada**, publié depuis 1969, présente trimestriellement des informations entomologiques, des occasions, des renseignements sur les opérations de la Société, des dossiers scientifiques d'importance, et des analyses d'ouvrages.

Illustrated on the front cover is a whimsical drawing entitled "The Millenium Bugs." It depicts the chaos and disruption that might have ensued from the inability of computers infected with "Y2K bugs" to roll-over to the year 2000. All insects shown are well established in Canada, except for one which recently invaded North America from Asia. [Drawing courtesy of Barry Flahey, Manotick, Ontario.]

L'illustration de la couverture est un dessin fantaisiste intitulé : "Les bogues du millénaire". Il représente le chaos et le bouleversement qui auraient pu découler de l'incapacité des ordinateurs contaminés par les "bogues de l'an deux mille" à franchir ce passage fatidique. Tous les insectes représentés sont bien établis au Canada, à l'exception d'un qui est originaire d'Asie et a récemment envahi l'Amérique du Nord. [Dessin de Barry Flahey, Manotick, Ontario.]

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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

50th Annual General Meeting

The Annual General Meeting of the Entomological Society of Canada, will be held at the *Palais des Congrès de Montréal* in Montreal, Quebec on December 6, 2000.

La réunion annuelle générale de la Société d'entomologie du Canada, aura lieu au *Palais des Congrès de Montréal* à Montréal, le 6 décembre, 2000.

Governing Board Meeting

The Annual Meeting of the Governing Board will be held at the *Palais des Congrès de Montréal*, in Montreal, on December 2, 2000.

La réunion annuelle du conseil d'administration se tiendra au *Palais des Congrès de Montréal* à Montréal, le 2 décembre 2000.

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 past issues of the *Memoirs* are available from the Ottawa office and may be purchased by Mastercard or VISA as well as by cheque or money order.

<i>Please send all correspondence concerning the Bulletin to:</i>	<i>Please send all correspondence concerning Book Reviews for the Bulletin to:</i>
Dr. Hugh J. Barclay Bulletin Editor Pacific Forestry Centre 506 West Burnside Road Victoria, B.C. V8Z 1M5 Tel: (250) 363-0736 Fax: (250) 363-0775 E-mail: hbarclay@pfc.forestry.ca	Dr. Vince Nealis Chair, Publications Committee Pacific Forestry Centre 506 West Burnside Road Victoria, B.C. V8Z 1M5 Tel: (250) 363-0663 Fax: (250) 363-0775 E-mail: vnealis@pfc.forestry.ca

The deadline for submissions to be included in the next issue (Vol. 32(3)) is **Aug 1, 2000**
La date limite pour recevoir vos contributions pour le prochain numéro (Vol. 32(3)) est le **1 août 2000**

Montréal 2000 Joint Meeting

The organizing committee for the Montréal 2000 Joint Annual Meeting of the Entomological Societies of America, Canada and Québec have provided the *Bulletin* with a list of the Organizing Committee Section Chairs and the web address of the ESA. It appears that arrangements have not yet been finalized, so interested participants should consult the ESA web page at: <http://www.entsoc.org>. Other relevant web pages provided by the ESA are as follows:

Call for Papers: http://www.entsoc.org/annual_meeting/2000/2000_call_for_papers.htm

Deadlines: http://www.entsoc.org/annual_meeting/2000/Deadlines.html

President's Welcome: http://www.entsoc.org/annual_meeting/2000/Presidents'%20Letter.html

Tours: http://www.entsoc.org/annual_meeting/tours.htm

Updates: http://www.entsoc.org/annual_meeting/2000/potential_schedule_change.htm

Section Chairmen / Présidents des sections

Section A: Systematics, Morphology and Evolution

Dr. Jaqueline, Miller, Allyn Museum of entomology, Florida Museum of Natural History
3621 Bay Shore Rd., Sarasota Florida 34234

e-mail: jmiller@virtu.sar.usf.edu, tel: (941) 355-8476 fax: (941) 355-8475

Section B: Physiology, Biochemistry, Toxicology, and Molecular Biology

Dr. Jeffrey P. Shapiro, USDA ARS, 2120 Camden Rd., Orlando Florida 32803

e-mail: jshapiro@asrr.arsusda.gov, tel: (407)897-7376 fax (407) 897-7309

Section C: Biology, Ecology, and Behavior

Dr. Susan Webb, Univ. of Florida, IFAS CFREC, 5336 University Avenue, Leesburg Florida 34748-8232

e-mail: sewe@gnv.ifas.ufl.edu, tel: (352) 360-6686 fax: (352) 360-6691

Section D: Medical and Veterinary Entomology

Dr. L. E. Munstermann, Yale Univ. School of Medicine

60 College St., 614 Leph, New Haven Ct. 06520-8034

e-mail: leonard.munstermann@yale.edu, tel: (203) 785-5533 fax: (203) 785-7552

Section E: Regulatory and Extension Entomology

Dr. Alan A. Schreiber, Agric. Dev. Group, 4518 Desert Dr., Pasco Wa 99301

e-mail: aschreib@cbvcp.com, tel: (509) 543-9757 fax: (509) 543-9757

Section F: Crop and Urban Pest Management

Dr. Michael J. Weiss, Dept. of Plant soil & Entomological Sciences, Univ. of Idaho, Moscow Id 83844

e-mail: pseshead@uidaho.edu, tel: (208) 885-6277 fax: (208) 885-7760

Organizing Committee

Dr. Noubar. J. Bostanian Joint Program Committee member

Hort. Res. & Dev. Centre, Agriculture and Agri-Food Canada

430 Gouin Blvd., St-Jean-sur-Richelieu, Quebec, Canada J3B 3E6

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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 **2001**). 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 2000**.

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 **2001**) 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 2000**.

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 à 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

Greetings to fellow Canadian entomologists! This is turning into the "Year of the Insect". Every time I open the paper or listen to the news I see more evidence in the headlines that people care about what is happening in our science: the entire *Drosophila* genome sequenced (only 14,000 genes?); invasive species; preserving biodiversity, including invertebrates; West Nile encephalitis; longhorn beetles (Asian and otherwise); locusts in Australia; insect-suppressing GM crops; cities (and maybe nations) banishing insecticide use. The public seems to be more and more interested in insect science of all kinds, at all levels. We have a responsibility to encourage this in our communities, in part to ensure a future for entomology in Canada. Posterity is on my mind at the moment, having just completed the last of four Insect Talks to a total of six classes of Kindergarten, Grade 1 and Grade 2 (an experience that should not be missed). Perhaps some of them will be future graduate students or ESC members, or at least become adults with an appreciation for entomology.

It is a very good year for our landmark 50th Annual Meeting, to be held jointly with the Entomological Society of America, and Société d'entomologie du Québec. The three societies are presently focused on the preparations. We want to remind you to watch the ESA website for information on dates, deadlines and places. Please note that abstracts must be submitted via the ESA website. Watch for updates of other news and issues on the ESC website: (<http://www.biology.ualberta.ca/esc.hp/homepage.htm>).

Best regards

Dan Johnson

JohnsonDL@em.agr.ca

<http://res2.agr.ca/lethbridge/scitech/dlj/johnsond.htm>

Important dates for the annual general meeting (from the ESA home page, www.entsoc.org)

June 27: Deadline for submission of regular and student competition 10-minute papers. Use the electronic submission form at www.entsoc.org.

July 25: Deadline for submission of regular and student competition poster display presentations.

August 15: Deadline to be listed in the Annual Meeting Program Book (special meetings, etc.)

Early Nov: Deadline for submission of housing reservations and meeting registrations

Dec. 3-7: The 2000 Joint Annual Meeting of the ESC/SEQ/ESA, Palais des Congrès de Montréal.

Please refer to:

www.entsoc.org

Also, the ESC homepage is

www.biology.ualberta.ca/esc.hp/homepage.htm

The SEQ homepage (also reachable from the ESC homepage) is

<http://www.seq.qc.ca/>

To Our Fellow Entomologists in the U.S.

Dear Members of the Entomological Society of America,

What better way to start the new millennium than by having a Joint Meeting between our three entomological societies? We have to go back 28 years for the last time the Entomological Society of America, the Entomological Society of Canada, and la Société d'Entomologie du Québec, met in Montreal. The host societies, la Société d'Entomologie du Québec - founded in 1873 and an independent society since 1951, and the Entomological Society of Canada - founded in 1863 and an independent society since 1950, are immensely pleased to invite you to attend the meeting this December. We would like this meeting in Montreal to really be something to remember.

You will enjoy, as usual, a leading edge and rich scientific program, which will reflect close collaboration between members from the three societies, and you will be thrilled by all that is offered by the second largest center in Canada and the largest French-speaking city outside of Europe. The Palais des Congrès de Montréal, the site of the meeting, is located only a short walk from Old Montreal. Hope for some light and fluffy snowflakes during an evening walk in the narrow streets of this historical area to add to its genuine magic. See for yourself the French and English influences at the origin of Montreal, a city which celebrates this month its 358th Anniversary. Today, Montreal is truly a cosmopolitan modern city, and one is likely to find almost anything from any nation on the planet. Join the meeting and you will understand that traveling to Montreal is a trip around the World.

The Plenary Session of the 2000 meeting will have Georges Brossard, the initiator and one of the founders of the Montreal Insectarium, as the guest speaker. The Insectarium celebrates its 10th Anniversary this year. With more than 400,000 visitors every year, this internationally recognized City Institution will be a stop to mark in your agenda. The people at the Insectarium are working very hard to offer you special events and exhibits.

We can think of many other reasons for you to join us for the ESA/ESC/SEQ millennium meeting in Montreal. You won't want to miss it. Again, it will be a pleasure to welcome you to Montreal.

François Lorenzetti
President
Société d'Entomologie du Québec

Dan Johnson
President
Entomological Society of Canada

For more information on la Société d'Entomologie du Québec, please go to :
<http://www.seq.qc.ca/>

For more information on the Entomological Society of Canada,
please go to : <http://www.biology.ualberta.ca/esc.hp/homepage.htm>

Please, follow this link for an extended text on the ESA/ESC/SEQ
millennium meeting in Montréal: http://www.entsoc.org/annual_meeting/2000/2000.html

ENTOMOLOGICAL SOCIETY OF CANADA
FINANCIAL STATEMENTS
DECEMBER 31, 1999

McCAY, DUFF & COMPANY LLP, CHARTERED ACCOUNTANTS

AUDITORS' REPORT

To the Members,
Entomological Society of Canada.

We have audited the non-consolidated balance sheet of the Entomological Society of Canada as at December 31, 1999 and the non-consolidated statements of revenue and expenditure - General Fund, surplus and cash flows 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 non-consolidated financial statements present fairly, in all material respects, the financial position of the Society as at December 31, 1999 and the results of its operations and cash flows 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 5.

McCay, Duff & Company LLP

Chartered Accountants

Ottawa, Ontario,
March 14, 2000.

McCAY, DUFF & COMPANY LLP

CHARTERED ACCOUNTANTS

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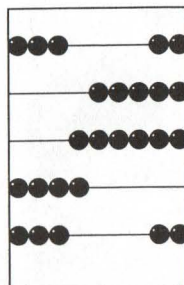
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CONSULTANT: ELDREN E. MCCONNELL, CA

CONSULTANT: JOHN W. FRANKLIN, CA



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ENTOMOLOGICAL SOCIETY OF CANADA

BALANCE SHEET

AS AT DECEMBER 31, 1999

ASSETS

	General Fund	Endowment Fund	Building Fund	Scholarship Fund	1999 Total	Restated 1998 Total
CURRENT						
Cash	\$ 116,759	\$ 10,773	\$ -	\$ 8,570	\$ 136,102	\$ 133,344
Term deposit	26,100	-	-	-	26,100	25,316
Accounts receivable	15,452	-	-	-	15,452	23,070
Accrued interest receivable	2,661	1,060	-	1,593	5,314	4,627
Interfund balances	(463)	-	-	463	-	-
Prepaid expenses	4,438	-	-	-	4,438	1,562
	164,947	11,833	-	10,626	187,406	187,919
INVESTMENTS (note 4)	142,112	64,631	-	99,699	306,442	294,086
	52,083	-	-	-	52,083	62,038
CAPITAL ASSETS (note 6)	-	-	174,827	-	174,827	180,445
	<u>\$ 359,142</u>	<u>\$ 76,464</u>	<u>\$ 174,827</u>	<u>\$ 110,325</u>	<u>\$ 720,758</u>	<u>\$ 724,488</u>
LIABILITIES						
CURRENT						
Accounts payable and accrued liabilities	\$ 29,547	\$ -	\$ -	\$ -	\$ 29,547	\$ 66,410
Deferred revenue	120,635	-	-	-	120,635	111,914
	150,182	-	-	-	150,182	178,324
SURPLUS						
	208,960	76,464	174,827	110,325	570,576	546,164
BALANCE - END OF YEAR	<u>\$ 359,142</u>	<u>\$ 76,464</u>	<u>\$ 174,827</u>	<u>\$ 110,325</u>	<u>\$ 720,758</u>	<u>\$ 724,488</u>

Approved on behalf of the Board:

Governor

Governor

McCAY, DUFF & COMPANY LLP, CHARTERED ACCOUNTANTS

ENTOMOLOGICAL SOCIETY OF CANADA
STATEMENT OF SURPLUS
FOR THE YEAR ENDED DECEMBER 31, 1999

	General Fund	Endowment Fund	Building Fund	Scholarship Fund	1999 Total	Restated 1998 Total
BALANCE - BEGINNING OF YEAR						
AS PREVIOUSLY REPORTED	\$ 199,462	\$ 71,608	\$ 180,445	\$ 107,319	\$ 558,834	\$ 481,231
Correction of error in prior period financial statements (note 7)	(12,670)	-	-	-	(12,670)	-
AS RESTATED	186,792	71,608	180,445	107,319	546,164	481,231
Net revenue (expenditure) for the year	23,362	4,856	(6,812)	3,006	24,412	64,933
Interfund transfers	(1,194)	-	1,194	-	-	-
BALANCE - END OF YEAR	\$ 208,960	\$ 76,464	\$ 174,827	\$ 110,325	\$ 570,576	\$ 546,164

McCAY, DUFF & COMPANY LLP, CHARTERED ACCOUNTANTS

ENTOMOLOGICAL SOCIETY OF CANADA
STATEMENT OF REVENUE AND EXPENDITURE - GENERAL FUND
FOR THE YEAR ENDED DECEMBER 31, 1999

	Canadian Entomologist		Memoirs and Other Publications		Society		1999		Restated 1998	
	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual
REVENUE										
Regular membership	\$ 15,600	\$ 15,480	\$ -	\$ -	\$ 15,600	\$ 15,480	\$ 31,200	\$ 30,960	\$ 30,400	\$ 30,400
Student membership	500	540	-	-	1,380	1,320	1,880	1,860	2,080	2,080
Emeritus	-	-	-	-	780	840	780	840	780	780
Subscriptions	112,250	113,610	-	-	20,000	17,285	132,250	130,895	140,793	140,793
Reprints	13,500	9,655	-	-	-	-	13,500	9,655	11,931	11,931
Page charges	33,000	23,805	-	-	-	-	33,000	23,805	25,320	25,320
Back issues/Royalties	1,500	6,363	-	-	1,200	-	2,700	6,363	2,196	2,196
Sales of Memoirs	-	-	2,000	3,044	-	-	2,000	3,044	4,595	4,595
Sales of Arctic Arthropods and Bibliography	-	-	200	405	-	-	200	405	145	145
Gain on currency exchange	-	-	-	-	-	10,847	-	10,847	16,105	16,105
Miscellaneous	-	-	-	-	1,000	3,269	1,000	3,269	1,940	1,940
REVENUE										
- Carried Forward	\$ 176,350	\$ 169,453	\$ 2,200	\$ 3,449	\$ 39,960	\$ 49,041	\$ 218,510	\$ 221,943	\$ 236,285	\$ 236,285

ENTOMOLOGICAL SOCIETY OF CANADA
STATEMENT OF REVENUE AND EXPENDITURE - GENERAL FUND
FOR THE YEAR ENDED DECEMBER 31, 1999

	Canadian Entomologist		Memoirs and Other Publications		Society		1999		Restated 1998
	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	
REVENUE - Carried forward \$	176,350	\$ 169,453	\$ 2,200	\$ 3,449	\$ 39,960	\$ 49,041	\$ 218,510	\$ 221,943	\$ 236,285
EXPENDITURE									
Publishing and mailing	129,000	85,812	-	-	-	-	129,000	85,812	91,609
Reprint costs	12,000	8,270	-	-	-	-	12,000	8,270	9,160
Bulletin publishing and mailing	-	-	-	-	-	-	-	-	-
Salaries and benefits	16,730	34,845	-	-	13,000	14,487	13,000	14,487	13,586
Editor's expenses	2,500	4,552	-	-	16,730	34,845	33,460	69,691	30,323
Office	3,000	3,814	-	-	3,000	3,814	2,500	4,552	3,984
Professional fees	2,000	1,547	-	-	2,000	2,320	6,000	7,628	4,910
Prizes, awards, brochure	-	-	-	-	1,500	1,505	4,000	3,868	5,450
Honoraria	1,000	1,000	-	-	2,625	2,625	1,500	1,505	1,104
Committees	-	-	-	-	1,800	-	3,625	3,625	3,625
Support of other organizations	-	-	-	-	-	-	1,800	-	1,239
Annual Meetings:	-	-	-	-	1,400	1,300	1,400	1,300	1,100
Grant	-	-	-	-	4,000	2,500	4,000	2,500	2,500
Honorees	-	-	-	-	2,000	1,704	2,000	1,704	981
Governing Board:	-	-	-	-	-	-	-	-	-
Interim meeting	-	-	-	-	2,500	1,292	2,500	1,292	2,161
Annual meeting	-	-	-	-	7,000	3,790	7,000	3,790	4,621
Other meetings	-	-	-	-	1,000	189	1,000	189	-
President's discretionary expenses	-	-	-	-	2,000	-	2,000	-	250
General	-	-	-	-	-	432	-	432	1,000
REVENUE (EXPENDITURE)	166,230	139,840	-	-	60,555	70,803	226,785	210,645	177,613
FROM OPERATIONS	10,120	29,613	2,200	3,449	(20,595)	(21,762)	(8,275)	11,298	58,672
Interest on investments	-	-	-	-	-	12,064	-	12,064	10,764
NET REVENUE (EXPENDITURE) FOR THE YEAR	\$ 10,120	\$ 29,613	\$ 2,200	\$ 3,449	\$ (20,595)	\$ (9,698)	\$ (8,275)	\$ 23,362	\$ 69,436

McCAY, DUFF & COMPANY LLP, CHARTERED ACCOUNTANTS

ENTOMOLOGICAL SOCIETY OF CANADA

STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED DECEMBER 31, 1999

	<u>1999</u>	<u>Restated 1998</u>
CASH PROVIDED BY (USED FOR)		
OPERATING ACTIVITIES		
Net revenue (expenditure) for the year		
- General Fund	\$ 23,362	\$ 69,436
- Endowment Fund	4,856	2,798
- Building Fund	(6,812)	(8,026)
- Scholarship Fund	<u>3,006</u>	<u>725</u>
	24,412	64,933
Item not involving cash - amortization	<u>5,618</u>	<u>5,852</u>
	30,030	70,785
Net change in non-cash working capital balances related to operations		
- decrease in accounts receivable	7,618	13,838
- (increase) decrease in accrued interest receivable	(687)	314
- (increase) decrease in prepaid expenses	(2,876)	7,268
- increase (decrease) in accounts payable and accrued liabilities	(36,863)	10,060
- increase in deferred revenue	<u>8,720</u>	<u>30,979</u>
	<u>(24,088)</u>	<u>62,459</u>
	5,942	133,244
INVESTING ACTIVITIES		
Purchase of investments	(19,350)	(40,000)
Proceeds on disposal of investments	6,995	15,000
Decrease in Investment in Book Project	<u>9,955</u>	<u>12,000</u>
	<u>(2,400)</u>	<u>(13,000)</u>
INCREASE IN CASH AND CASH EQUIVALENTS DURING THE YEAR	3,542	120,244
Cash and cash equivalents - beginning of year	<u>158,660</u>	<u>38,416</u>
CASH AND CASH EQUIVALENTS - END OF YEAR	<u>\$ 162,202</u>	<u>\$ 158,660</u>
CASH AND CASH EQUIVALENTS		
Cash	\$ 136,102	\$ 133,344
Term deposit	<u>26,100</u>	<u>25,316</u>
	<u>\$ 162,202</u>	<u>\$ 158,660</u>

McCAY, DUFF & COMPANY LLP, CHARTERED ACCOUNTANTS

ENTOMOLOGICAL SOCIETY OF CANADA

NOTES TO FINANCIAL STATEMENTS

DECEMBER 31, 1999

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.

(c) Capital Assets and Amortization

Capital assets are stated at cost, less accumulated 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.

(e) Fund Accounting

The purpose of each fund is as follows:

General Fund

This fund accounts for the Society's primary operating activities.

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.

McCAY, DUFF & COMPANY LLP, CHARTERED ACCOUNTANTS

ENTOMOLOGICAL SOCIETY OF CANADA

NOTES TO FINANCIAL STATEMENTS

DECEMBER 31, 1999

2. SIGNIFICANT ACCOUNTING POLICIES (Cont'd.)

(e) Fund Accounting (Cont'd.)

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.

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.

4. INVESTMENTS

	<u>1999</u>	<u>1998</u>
General Fund		
Bonds, at cost (market value 1999 - \$147,292, 1998 - \$141,491)	\$ <u>142,112</u>	\$ <u>129,675</u>
Endowment Fund		
Bonds, at cost (market value 1999 - \$68,452, 1998 - \$72,536)	\$ <u>64,631</u>	\$ <u>64,631</u>
Scholarship Fund		
Bonds, at cost (market value 1999 - \$102,748, 1998 - \$107,866)	\$ <u>99,699</u>	\$ <u>99,780</u>

5. 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, 1999 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.

McCAY, DUFF & COMPANY LLP, CHARTERED ACCOUNTANTS

ENTOMOLOGICAL SOCIETY OF CANADA

NOTES TO FINANCIAL STATEMENTS

DECEMBER 31, 1999

6. CAPITAL ASSETS

	<u>1999</u>			<u>1998</u>
	<u>Cost</u>	<u>Accumulated Amortization</u>	<u>Net</u>	<u>Net</u>
Land	\$ 40,000	\$ -	\$ 40,000	\$ 40,000
Building	<u>202,799</u>	<u>67,972</u>	<u>134,827</u>	<u>140,445</u>
	<u>\$ 242,799</u>	<u>\$ 67,972</u>	<u>\$ 174,827</u>	<u>\$ 180,445</u>

7. CORRECTION OF ERROR IN PRIOR PERIOD FINANCIAL STATEMENTS

The 1998 subscription revenue was overstated in the amount of \$12,670. The correction of this error has resulted in the restatement of 1998 subscription revenue amount to \$140,793 from \$153,463. The correction of this error has also led to the restatement of 1998 deferred revenue amount to \$111,914 from \$99,244. These corrections have resulted in the 1998 net revenue for the year decreasing from \$82,106 to \$69,436. The 1999 opening balance of surplus has been restated to reflect this correction.

8. COMPARATIVE FIGURES

The 1998 surplus balance - beginning of year has been decreased by \$6 from \$481,237 to \$481,231. The 1998 accrued interest receivable has been reduced by the same amount. This change has been made in order to agree the 1998 Scholarship Fund surplus balance in the Entomological Society of Canada financial statements to the 1998 Scholarship Fund surplus in the separate Scholarship Fund financial statements.

McCAY, DUFF & COMPANY LLP, CHARTERED ACCOUNTANTS

ENTOMOLOGICAL SOCIETY OF CANADA
SCHEDULE OF ENDOWMENT FUND REVENUE AND EXPENDITURE
FOR THE YEAR ENDED DECEMBER 31, 1999

	<u>1999</u>	<u>1998</u>
REVENUE		
Interest revenue	\$ 4,856	\$ 4,569
EXPENDITURE		
Page charges and reprints	<u>-</u>	<u>1,771</u>
NET REVENUE FOR THE YEAR	<u>\$ 4,856</u>	<u>\$ 2,798</u>

McCAY, DUFF & COMPANY LLP, CHARTERED ACCOUNTANTS

ENTOMOLOGICAL SOCIETY OF CANADA
SCHEDULE OF BUILDING FUND REVENUE AND EXPENDITURE
FOR THE YEAR ENDED DECEMBER 31, 1999

	<u>1999</u>		<u>1998</u>
	<u>Budget</u>	<u>Actual</u>	<u>Actual</u>
REVENUE			
Rental income	\$ 6,300	\$ 6,469	\$ 6,279
EXPENDITURE			
Amortization	5,620	5,618	5,852
Insurance	750	727	730
Property taxes	7,700	4,386	5,057
Repairs and maintenance	750	1,054	1,012
Utilities	<u>2,750</u>	<u>1,496</u>	<u>1,654</u>
	<u>17,570</u>	<u>13,281</u>	<u>14,305</u>
NET RENTAL REVENUE			
(EXPENDITURE) FOR THE YEAR	<u><u>\$ (11,270)</u></u>	<u><u>\$ (6,812)</u></u>	<u><u>\$ (8,026)</u></u>

McCAY, DUFF & COMPANY LLP, CHARTERED ACCOUNTANTS

ENTOMOLOGICAL SOCIETY OF CANADA
SCHEDULE OF SCHOLARSHIP FUND REVENUE AND EXPENDITURE
FOR THE YEAR ENDED DECEMBER 31, 1999

	<u>1999</u>	<u>1998</u>
REVENUE		
Interest revenue	\$ 7,185	\$ 6,879
Recovery of award	463	-
Donations	<u>4,358</u>	<u>1,846</u>
	12,006	8,725
EXPENDITURE		
Scholarship awards and travel grants	<u>9,000</u>	<u>8,000</u>
NET REVENUE FOR THE YEAR	<u>\$ 3,006</u>	<u>\$ 725</u>

McCAY, DUFF & COMPANY LLP, CHARTERED ACCOUNTANTS

PERSONALIA

In Memory

Rodolphe Omer Paradis (1923-2000)

Le 15 mars 2000 est décédé, à l'âge de 76 ans, Rodolphe O. Paradis, un entomologiste éminent du Québec. Dans le numéro Hiver 1997 (vol. 5, No. 1, p. 14) de la revue *Antennae* et dans les *Echos Phytosanitaires* de Juin 1988 (No. 34), des textes sont parus pour souligner sa carrière et, à sa mémoire, nous reprenons ici quelques éléments de ces textes. Né le 27 août 1923 à Saint-Bernard de Dorchester, il obtint un Baccalauréat en sciences agricoles de l'Ecole d'Agriculture de La Pocatière (1950), une M.Sc. en entomologie de l'Université Laval (1953) et un Ph. D. de l'Université McGill (1964). Il fit carrière en tant que chercheur sur les ravageurs du pommier et des petits fruits à la Station de recherches d'Agriculture Canada à Saint-Jean-sur-Richelieu de 1950 jusqu'à sa retraite en 1982.

Le Dr. Paradis a oeuvré au sein de plusieurs sociétés scientifiques. Il a été, entre autres, président de la Société de Protection des Plantes du Québec (SPPQ) en 1965-66 et président de la Société d'entomologie du Québec (SEQ) en 1972-73. De plus, il a été éditeur des *Annales de la Société d'entomologie du Québec* de 1967 à 1977 et du *Canadian Journal of Plant Sciences* de 1970 à 1973. Pour souligner sa contribution à l'entomologie, la Société d'entomologie du Canada lui a remis le titre de Fellow en 1975 tandis que la SEQ le nomma membre honoraire en 1983 et la SPPQ lui décerna la même distinction en 1988.

En tant qu'agronome, le Dr. Paradis a toujours eu pour principe que son travail se devait d'être pratique afin que les producteurs puissent en retirer profit le plus rapidement possible. A ce titre, il a grandement collaboré à la rédaction de documents de vulgarisation. Il y aurait beaucoup d'anecdotes à raconter à son sujet. Quoiqu'étant un homme en apparence réservé, il manquait rarement une occasion pour pousser une bonne blague. Ainsi, il a déjà raconté que ses initiales, R.O.P., signifiaient «report on productivity».

Il laisse dans le deuil son épouse, Jeannine Moore, trois fils (Martin, Charles et Patrice), et quatre petits-enfants.

Marcel Mailloux et Charles Vincent
Saint-Jean-sur-Richelieu, Qc

John Conroy (1939-2000)

John Conroy passed away suddenly at the Health Sciences Complex at Winnipeg. John was a professor at the University of Winnipeg. He was 61, and leaves behind a wife and family.

Heritage Articles

Who Was Wilfred A Reeks?

The following article was written for the Atlantic Forestry Centre in-house newsletter Out on a Limb in celebration of the Canadian Forestry Service centennial, "A century of innovative solutions".

Ed Reeks was born in 1906 in Round Hill, Annapolis Co., NS. Armed with a BSc and MSc from McGill and experience with agricultural insects, he started as a "Temporary Investigator" in the Gaspé in 1931, where he assisted Lee Simpson in European spruce sawfly investigations. (Lee had been around since Tothill's day, and retired soon after I arrived in Fredericton in 1956.)

The next year, he and Malcolm Prebble, both still temporary, undertook biological studies of the sawfly. They were destined to become a very successful team under difficult working conditions. Charlie Smith assisted, with "his faculty for constructing cages, etc.". By 1933 all three of them were no longer "temporary" and they were joined by one Carl Atwood about whom I've written in another article.

Prebble, with Reeks, established a camp on the headwaters of the Cascapedia River, a place of canvas tents, bloodthirsty flies, and meals prepared over smoky fires when they were almost too tired to eat. (The Fredericton laboratory was responsible for forest entomological work in the Gaspé as well as in the Maritimes.) Reeks took charge of the camp at Parke Reserve, near St. Alexandre, in 1934, where he got involved with AB Baird in studying and screening imported parasites for use against the sawfly. In the winter he worked at the Parasite Lab., Belleville, Ont. where he also sought morphological differences between Canadian and European forms of the sawfly. This resulted in discovery of distinctions important to subsequent work on its biological control.

In addition to his work on the European spruce sawfly, the larch sawfly, and other insects, Ed became responsible for the Forest Insect and Disease Survey in our region with the departure of Lloyd S. Hawboldt for NS Lands and Forests in 1943. This was now wartime, with shortages of everything, and everybody either took on extra responsibilities or things just didn't get done, and wood was vital to the war effort.

After the war, with an increase in resources, Ed was responsible for the Survey, which included Newfoundland even before confederation, and investigations of both European spruce sawfly and larch sawfly, all major projects. By 1947 he was Second-in-Charge under Reg Balch.

In 1955 Ed was made Officer-in-Charge of the Forest Biology Laboratory in Winnipeg. His experience with the larch sawfly served him well there where a serious outbreak was raging. From Winnipeg, he went to Sault St. Marie as O-i-C, then Ottawa in 1965, where he was Entomology Coordinator. At that time coordinators were appointed for various divisions of the work of Canada Agriculture (for that was our department back then). I remember him as the one coordinator in Ottawa who was able to cope with the red tape, committees, and endless meetings, and still find time to coordinate entomological research - and do it well. Doug Embree, who knew him better than I, described him as laid back, yet hard working and always approachable - commendable qualities in a leader.

Ed Reeks retired in 1971 and died in 1993. He certainly made a mark on the Maritimes, on the Atlantic Forestry Centre, on CFS, and indeed on forestry and entomology in Canada.

Reference: *Bulletin of the Entomological Society of Canada* 4(4): 4

Doug Eidt
Keswick Ridge, NB

The European Spruce Sawfly Virus Story

Shortly after my story about AB Baird appeared in the *Bulletin* (31:70) I received a very nice and informative letter from SFU Professor Emerita Thelma Finlayson commenting on the European Spruce Sawfly virus incident in which Baird was involved. Dr. RE Balch (see article in the March 2000 issue) also commented on the incident during an interview with me in 1987, also mentioning Arthur Gibson and suggesting others were involved. The whole story will perhaps never be known but Thelma shed some light on the matter. Her comments, with her permission, follow:

"I read your resume of A.B. Baird in the Vol. 31 (2) issue of the *Bulletin* with great interest as I was at the Belleville lab for several years when A.B. was the Director and I was working on the Spruce Sawfly Project which at that time was directed by my late husband, Roy Finlayson. "Of particular interest was the paragraph at the bottom of page 70 for your story is indeed NOT apocryphal. Here is the true story of that incident:-

"Four shipping cylinders were received (if I remember correctly they were from Europe) at the Belleville lab containing diseased larvae of the spruce sawfly for the specific purpose of placing in the field in the hope that the disease would become established and exercise some control. A.B. threw up his hands in horror and ordered that these containers be incinerated immediately for fear the disease would get into our propagation cultures and decimate them. Roy objected on the basis that we might have a potentially beneficial biological control agent. He was overruled and the diseased larvae were destroyed.

"Because of the size of the project the annual reports of the project were not written from the very beginning (Roy was a procrastinator of this type of thing). I had been working on the grasshopper project with Chester Smith but was seconded to the spruce sawfly project to write all the annual reports, the source of the information being the twice-monthly reports that always had been written. I completed all the reports, including an account of the incinerated larvae, they were typed and either the original or copies were placed in the Entomology Library in the K.W. Neatby Building in Ottawa.

"When Bryan Beirne became Director at Belleville he spent considerable time reviewing work that had been done prior to his arrival. During one such conversation I happened to mention the incident of the diseased larvae and what a shame it was that we could not claim the credit for having placed the disease in the field. By then it was recognized what an important part the disease had played in the control of the sawfly. When I told him that it was all in the Annual Report that I had written some years before, he sent me to Ottawa specifically to find that report and bring it back to Belleville. It was the only report of all that I had written that was not on the shelves. We never did find out what had happened to that particular report.

"Because it was so long ago I do not remember the year in which the incident occurred so am unable to tell you which report to look for - in case you are interested in finding it. I am so happy to have an opportunity to tell this tale because Roy fretted about it for the rest of his life. It is ironical that the disease (at least at that time) was totally ineffective against any of the parasites we were rearing!

"Best wishes, Thelma Finlayson"

I see the whole affair as a lesson on the importance of scientific integrity for both scientists and their employers. It is regrettable that the German entomologist who sent the diseased larvae, suggesting they might be effective, did not receive recognition for what turned out (albeit accidentally) to be a dramatic transformation of a terrible pest into a scarce species in our fauna.

Doug Eidt
Keswick Ridge, NB

PUBLICATIONS

Hollande, A. et J. Théron au soin de G. Dellacasa. 1998. *Aphodiidae du Nord de l'Afrique (Coleoptera Scarabaeoidea)*. Monografie XXI, Museo Regionale di Scienze Naturali, via Giolitti, 36 - 10123 Torino, ITALY. Hardcover ISBN 88-86041-18-7. 80,000 LIT (about \$60 Cdn.) plus postage. 280 pages, 371 figures.

This publication is based upon a manuscript completed by André Hollande and Jean Théron in 1970. Sadly, both of these authors passed away before it was finally printed. A publishing delay of nearly 30 years creates many difficulties, especially in a group of insects that are as avidly collected and studied as this group of beetles. Fortunately, Giovanni Dellacasa has done an admirable job in updating (to 1995) the nomenclature, taxonomy, and distribution of the species through a series of 104 footnotes. This was done to maintain the integrity of the original manuscript, and functions quite well. Dellacasa also added a résumé, bibliography, and an index that were lacking in the original work.

The text (in French) is divided into a Forward (2 pp.), Catalogue of taxa (11 pp.), brief Introduction (4 pp.), and a General Discussion of the morphology, taxonomically important characters, and biology of Aphodiids (27 pp.). This is followed by the Systematic treatment of the taxa (206 pp.), and completed with résumés in French, Italian, and mangled English (6 pp.), Bibliography (10 pp.), and an Index (10 pp.). Although the title says North Africa, the geographic scope of this work is limited to Morocco, Algeria, and Tunisia. The catalogue lists 149 species in 17 genera, but only 123 species are treated in the volume. The remaining 26 species were either described after 1970, or were not known to occur in the area by the French authors. The morphological discussion is detailed and well illustrated, although the choice of terminology for some structures is at times misleading or incorrect. However, Hollande and Théron were particularly astute in recognizing the value of genitalic and epipharyngeal characters in resolving basic problems within the systemics of this group. Since these characters are now widely applied by many Aphodiid workers, this publication provides an interesting historical perspective to the study of Scarabaeoid systematics.

The systematic portion of the book includes identification keys to the tribes, genera (and subgenera for *Aphodius*), and species, plus detailed descriptions and distributional data. The highlight of this work is perhaps the inclusion of many excellent pen and ink line drawings. In total, close to 100 species are illustrated in 371 figures, arranged in 82 plates spread throughout the text. A typical plate includes dorsal habitus, dorsal and lateral views of the male genitalia, and a view of the epipharynx. Of 4 subgenera and 1 new species proposed by Hollande and Théron, only 2 subgenera (*Nialosternus* and *Parabolidus*) have withstood the passage of time.

This quality bound volume, with its wealth of illustrations, makes a nice complement to Baraud's authoritative reference on the North African fauna (Coléoptères Scarabaeoidea. Faune du Nord de l'Afrique, du Maroc au Sinaï. 1985. Éditions Lechevalier, Paris) and is likely to find a welcome spot on the bookshelves of most serious scarab workers. Considering that over a dozen of these "North African" species (in 5 genera) are also found in Canada, this should include numerous North American bookshelves as well.

Bruce D. Gill
Woodlawn, Ontario

Peter C. Barnard, ed. *Identifying British Insects and Arachnids: an annotated bibliography of key works*. 1999. Cambridge University Press. ISBN 0 521 63241 2 (hb) \$80.00 U.S.

The publication of the first edition of A checklist of British Insects by G.S. Koet and C. Hincks in 1945 caused an upsurge in amateur and professional entomology in the British Isles, and it can be expected that this new publication will do likewise. It not only points the way into the huge literature that can be utilized for the identification of British insects and arachnids, but it outlines where more work is needed.

The main 33 chapters on taxa have been prepared by the staff of the Entomology Department of the Natural History Museum in London. There are about 23,500 species of insects and approximately 240 arachnid species in the British Isles, and this book contains well over 2000 references relevant for their identification. Much of the literature is European and not in English. References up to the end of 1997 are included, with a few early ones from 1998. The annotated comments with most of these references are particularly useful for those thinking of building their own library on a group.

The size of the various chapters and the number of references for each order ranges from 2 for the Thysanura to over 700 for the Hymenoptera, and relates to the number of species in each taxon. All chapters contain a brief account of the general biology of the group, and most have a summary of the higher classification down to the family level. References to various geographic recording schemes are also included.

For someone who has had difficulty keeping up with the whole British and European systematic entomology literature over the past 40 years, this publication was most welcome. It will be invaluable to those scientists having to identify the ever increasing number of alien species in the New World, most of which in the past have been of European origin.

For those unfamiliar with the British fauna, it may be of interest to note that there are three native cockroaches (*Ectobius* spp.) confined to Wales, southern England, and the Channel Islands, and that three stick insects of New Zealand origin have now established breeding colonies in the south-west of England (Devon, Cornwall and Isles of Scilly) and Eire. Further, that there has been recent confirmation of the antlion *Euroleon nostras* (Fourcroy) breeding in East Anglia. Indeed, even those familiar with the British fauna will find much of interest in this book. The reviewer was interested to learn that The Hymenoptera of Costa Rica (Hanson, P. & Gauld, I.D. (Eds.) 1995 Oxford University Press) is regarded as definitely the best book currently available on the order as a whole. Also, that C.H. Lindroth's 1974 Coleoptera: Carabidae handbook for the identification of British insects will still suffice for accurate identification of most British ground beetles, and that the three volume British Spiders by G.H. Locket and A.F. Millidge remains the definitive identification manual for almost the entire British list.

The introductory section of this book on 'Sources of Information' will help the layperson understand references, and how to find them, and the final 'Index' provides reference to the higher categories mentioned in the text. It gives a complete alphabetical list of the higher taxa of British insects and arachnids (except the numerous families of mites). However, page numbers are given only for the main occurrence of the taxon, and no genera or species are indexed. There is also no overall general index to the references cited.

G.G.E. Scudder
Vancouver, B.C.

AWARDS

Nature Discovery Fund Makes First Award

The Nature Discovery Fund of the Canadian Museum of Nature, a fund developed to promote taxonomy in Canada and facilitate the discovery and naming of Canada's biodiversity, has made its first award. NDF is pleased to announce that Ms. Stephanie Boucher of the Department of Natural Resource Sciences, McGill University, Ste-Anne-de-Bellevue, is the first recipient of funding in support of her work "Diversity of Agromyzidae (Diptera) in disjunct grasslands of the southern Yukon". Ms. Boucher has just completed an MSc. in Entomology at McGill University. Funding from NDF will go towards the publication of her thesis results. For further information about the fund and for instructions on application procedures, please visit <http://nature.ca/English/natfunde.htm>.

Robert S. Anderson
Canadian Museum of Nature

McGill University Honours Entomologists

Le 2 juin 2000, lors de la cérémonie de la collation des grades au Campus Macdonald de l'Université McGill, le Dr. Robin K. Stewart, entomologiste au Department of Natural Resources Sciences, a été nommé professeur émérite.

Lors de la même cérémonie, le Dr. Terry A. Wheeler, entomologiste au Department of Natural Resources Sciences, a reçu le Prix Macdonald Campus de distinction pédagogique.

On 2 June 2000 during the spring convocation at Macdonald Campus of McGill University, Dr. Robin K. Stewart, entomologist at the Department of Natural Resource Sciences, was awarded the status of Emeritus Professor.

During the same ceremony, Dr. Terry A. Wheeler, entomologist at the Department of Natural Resource Sciences, was presented the Macdonald Campus Award for Teaching Excellence

MEETINGS

The North American Forest Insect Work Conference

May 14 - 18, 2001 at the Crowne Plaza-Chateau Lacombe Hotel, Edmonton, Alberta, Canada
Hosted by the Canadian Forest Service, Alberta Land and Forest Service, and the University of Alberta

The overall objective of the North American Forest Insect Work Conference (NAFIWC) is to consider and discuss the current status and future needs of forest entomology education, research, forest health and forest pest management in North America.

A series of plenary sessions, concurrent workshops, and a poster session will focus on changing

local, regional, and global conditions and consider their implications on future directions of forest pest management within the context of sustainable forest management to mitigate and minimize adverse effects of global change.

For further information, contact our website: <http://nofc.cfs.nrcan.gc.ca/nafiwc/>

or E-mail: nafiwc@nofc.cfs.nrcan.gc.ca, or one of the following organisers:

Jan Volney, Canadian Forest Service, Natural Resources Canada, Tel: (780) 435-7329
Hideji Ono, Alberta Land and Forest Service, Alberta Environment, Tel: (780) 427-6807
John Spence, Dept. of Biological Sciences, University of Alberta, Tel: (780) 492-3003

IPM Meeting, First Announcement

The IOBC, IPM in Glasshouses, West Palearctic and Nearctic working groups will meet jointly, on the 8, 9, 10 and 11 **May, 2002**, at the Laurel Point Inn, in Victoria, British Columbia, Canada. The meeting will feature 4 days of presentations and workshop discussions on Integrated Pest Management in Glasshouses, and will include a research tour of the dynamic glasshouse industry in southwestern British Columbia. The meeting will be restricted to 150 delegates, on a first-come, first-served basis. To be placed on a mailing list to receive further details, please contact: D.R. Gillespie, Pacific Agri-Food Research Centre, Agriculture and Agri-Food Canada, P.O. Box 1000, Agassiz, British Columbia, Canada. V0M 1A0.; Fax (604) 796-0359, or email: gillespie@em.agr.ca

NET, SHOVEL AND AXE

The Frenchman River Swim

Heat waves danced across the shimmering landscape of scrub grass and sage. A blazing sun beat down on the parched and deserted land, and turned the interior of a car, as it crossed the flats, into a heat-oven. The open car windows offered little relief from the broiling heat. Jason continued on his way hoping that he would soon find some shade in which he could find relief.

An undulating line of shrubs and scrub trees came into his field of view. "Ah," thought Jason, "the Frenchman River must be just ahead. Hope there is enough water in that stream to, at least, cool my feet." He stopped the car just short of the crossing; a gravelly ford over which a thin trickle of water tinkled its way south from the headwaters in the Cypress Hills.

Jason got out of the car, removed his boots and socks, and stood in the tepid water. There was hardly enough water to cover the soles of his feet but it was cool and refreshing. As he walked downstream he suddenly came to a place where the river bed ran between two clay banks, narrowing the channel to three feet and increasing the depth of water to about 12 inches. "Now here is a bit of good luck," mused Jason, "this is taylor-made for bathing."

Quickly he stripped off his clothes and lay stretched out at full length in the stream. As he lay there

relishing the cooling water, he closed his eyes against the harsh brightness of the sun and relaxed. "Oh, to stay like this forever, especially in this terrible heat," thought the field entomologist.

"Will someone get that goddam car out of the way so that I can get my cattle across?" These explosive words galvanized the semi-comatose bather into immediate action. He shot erect from his "bath" in all the regal splendor of complete nudity only to confront a dusty, querulous and sweat-streaked cowboy astride an equally tired and dusty buckskin.

"Well, are you just going to stand there like Adam or can you get your ass in gear and move the car. I haven't got all day to play nursemaid to a skinny dipper." These words, brought an instant reponse from the bather as he clutched his clothes and ran for the car. It was certainly embarrassing to be caught "red-handed" and goofing-off on the job especially when he was driving a government car emblazoned with "CANADA AGRICULTURE" on its door panel. Of greater import was to get away and hide from the accusing eyes - or was there a twinkle there too - of the rider.

It was only when he had raced down the road away from the river crossing, did his heat-numbered mind make him aware that the impatient cowboy had been a cowgirl.

Contributed by Paul Riegert

Perfumed Fish

"Ye gods, Bob," asked his room mate, "are you the inside man at the skunk works? You smell fishier than fish and twice as awful." Bob had just emerged from the shower in a room in the Healey Hotel in Swift Current, Saskatchewan. He and Jason had worked all day in the heat and dust on the plots at the Dominion Experimental Station. They had been anticipating a cooling and refreshing shower before dinner, but the odour was something they had not reckoned with.

Prolonged hot weather and no rainfall had drastically lowered the water level behind the Duncairn Dam on Swift Current Creek. Thousands of fish had died and had decomposed. They had washed up in heavy windrows along the shore; the stench was overpowering! The waters impounded by the dam were the source of the city's water supply. Now it's citizens did not only get water from their taps, the odour of fish was an unexpected and unwanted bonus.

"We will have to deaden the smell, somehow," suggested Jason, "and I have just the solution." With that he took a newly-purchased bottle of Mennon's After-Shave Lotion and poured it all over the body of his freshly-showerd but malodorous room mate. "I'm not going to shower; just wash my face and hands. You get dressed and we'll go out for dinner."

As they sat in the restaurant, enveloped in a pungent cloud of after-shaving lotion, a voice drifted across the room: "Phew! Some guys will go to any length to attract attention for a date."

Contributed by Paul Riegert

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