

*R. Brewster*

PROCEEDINGS OF THE  
ENTOMOLOGICAL  
SOCIETY OF  
MANITOBA

VOLUME 32-

1976

Proceedings of the  
ENTOMOLOGICAL SOCIETY OF  
MANITOBA

Volume 32  
1976

P.S. Barker  
Editor, Proceedings

## ENTOMOLOGICAL SOCIETY OF MANITOBA

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An official publication of the Entomological Society of Manitoba,  
printed by the Society and distributed, free of charge, to members in  
good standing.

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## MINUTES OF THE 32 ANNUAL MEETING

## ENTOMOLOGICAL SOCIETY OF MANITOBA

13:15 h., 5 NOVEMBER, 1976

RAMADA INN, WINNIPEG

A quorum being present, the President called the meeting to order.

Present

Executive: L. Nairn, President; H.G. Wylie, President-Elect;  
G.L. Ayre, Past President; J.E. Guthrie, Secretary;  
W.L. Askew, Treasurer; R.A. Brust, Regional Director;  
and P.H. Westdal, Editor - The Manitoba Entomologist.

Members:

G.E. Bucher	G.B. Neill
J.C. Conroy	C.E. Osgood
T.D. Galloway	W.B. Preston
G.H. Gerber	G.P. Rawn
R.A. Graham	A.G. Robinson
G. Hamilton	D.L. Smith
R.J. Heron	L.B. Smith
A.J. Kolach	W.J. Turnock
D.J. Madder	F.L. Watters
W.J. McCullough	

1. Agenda

Motion - Guthrie/Bucher: Adoption of the Agenda (Appx. A, page 11)

Carried

2. Minutes

Motion - Guthrie/Ayre: Adoption of the minutes of the 31st Annual Meeting held 7 November, 1975 as published in the Proceedings of the Entomological Society of Manitoba.

Carried

BUSINESS ARISING FROM THE MINUTES

- 3(a) The Auditor's report was presented by the Treasurer (Appx. Ca, pages 13-15).

Motion - Gerber/Bucher: Acceptance of the Auditor's report for 1975.

Carried

3(b) Reprint Charges

The President reported that the Executive recommended no change in the charge for reprints. Reprint charges will be periodically reviewed.

3(c) Letters Patent

The Society became incorporated as the Entomological Society of Manitoba Incorporated on 21 July, 1976.

3(d) Representative to Manitoba Environmental Council

Dr. Turnock has been re-appointed by the responsible minister to another term as the Society's representative. Dr. Turnock was recently elected Chairman of the Council.

3(e) Society's Publications

Guidelines for the format and content of the Society's two official publications and Notes for Contributors to The Manitoba Entomologist, have been issued for the guidance of the editors.

3(f) Student Merit Award

Deferred to Committee Reports, item 6 of the agenda.

EXECUTIVE REPORTS

4(a) President (Appx. B, page 12)

The President gave his report during the course of his address of welcome to the 32nd Annual Meeting of the Society.

Motion - Guthrie/Gerber: Acceptance of the President's report.

Carried

4(b) Treasurer (Appx. Ct, page 16)

Motion - Askew/Conroy: Acceptance of the Treasurer's report subject to audit.

Carried

4(c) Dues and Fees

Motion - Askew/Wylie: That the members re-affirm that the annual dues for membership in the Society shall be \$5.00 for a Regular Member and \$2.50 for a Student Member, and that life Membership shall require a donation of \$100.00.

Carried

4(d) Appointment of Auditor

Motion - Askew/Conroy: That Miss Helen Samboluk be appointed to audit the Society's accounts and financial records.

Carried

4(e) Editor - The Manitoba Entomologist (Appx. D, page 18)

Motion - Westdal/Gerber: Acceptance of Editor's report and adoption of its recommendations.

Carried

Action - Executive

4(f) Regional Director to the National Society (Appx. E, page 19)

Motion - Brust/Conroy: Acceptance of the Regional Director's report and adoption of its recommendations.

Carried

Action - Executive

BOARD REPORTS

5(a) Endowment Fund (Appx. F, page 20)

Motion - Brust/Gerber: Acceptance of the Endowment Fund Board report.

Carried

It was noted that 5 year bonds are the better investment at the present time.

5(b) Editorial Board (Appx. G, page 21)

Motion - Bucher/Wylie: Acceptance of the Editorial Board report.

Carried

COMMITTEE REPORTS

6(a) Publicity (Appx. H, page 22)

Motion - Kolach/Brust: Acceptance of Publicity Committee report.

Carried

6(b) Social (Appx. I, page 23)

Motion - Hamilton/Ayre: Acceptance of Social Committee report.

Carried

The members applauded this committee for their efforts during the year.

6(c) Youth and Education (Appx. J, page 24)

Motion - Graham/Galloway: Acceptance of the Youth and Education Committee report.

Carried

The committee were commended for their efforts to introduce students and other young people to Entomology.

6(d) Insect Common Names

Prof. Robinson advised that no proposals for common names of insects were submitted to him during the past year.

6(e) Manitoba Environment Council - Dr. W.J. Turnock (Appx. K, page 25)

Motion - Turnock/Wylie: Acceptance of the report.

Carried

6(f) City of Winnipeg Advisory Group on Insect Control (Appx. L, page 26)

This report was submitted by the ESM representative, L. Nairn.

Motion - Guthrie/Ayre: Acceptance of the report.

Carried

The President observed that the person representing the ESM on the city's Advisory Group should be someone actively involved in insect control. It is not mandatory that the Society's President be the representative.

6(g) Membership

The President reported that he had not constituted a Membership Committee. Instead, he had appointed membership representatives: A. Kolach, B. Bowden, and T. Galloway. They were commended for their efforts.

6(h) Archives - Dr. R.J. Heron (Appx. M, page 27)

Motion - Heron/Turnock: Acceptance of the report and adoption of its recommendations.

Carried

Action - Executive

6(i) Honorary Membership ESC - Dr. H.G. Wylie: - nothing to report.6(j) 1977 ESC-ESM Joint Meeting (Appx. N, page 28)

A brief verbal status report was given by the Coordinating Chairman (J.E. Guthrie). Dr. Conroy, Program Chairman, submitted a summary-report of the program.

Motion - Conroy/Turnock: Acceptance of the report.

Carried

The pros and cons of a reduced registration fee for students attending this conference, particularly those who are members of the ESM, were discussed.

Motion - Robinson/Conroy: That the 1977 Joint Meeting Committee consider recommending a reduced participant fee for any student attending the 1977 ESC-ESM meeting.

Carried

Action - 1977  
Joint Meeting



6(k) Student Award - Dr. F.L. Watters (Appx. O, page 29)

Motion - Watters/D.L. Smith: Acceptance of the report and adoption of its recommendations.

Amendment - Guthrie/L.B. Smith: That the form of the award be a book (or books) chosen by the recipient and appropriately inscribed on the flyleaf. The cost of any award made in 1977 should not exceed \$50.00 and, thereafter, be reviewed annually by the Executive.

Carried

Action - Executive

Main Motion as Amended

Carried

Prof. Robinson expressed appreciation of the creation of this award on behalf of entomology, biology and zoology departments of Manitoba universities.

## ELECTION OF EXECUTIVE

- 7(a) The President reported that during the period of the mail ballot for election to the 1976-1977 Executive, Dr. Osgood (a nominee for President-Elect) had withdrawn his candidacy because of accepting a position in the USA. The President, therefore, declared Dr. J.C. Conroy to be elected President-Elect.

Motion - Westdal/Robinson: That the members ratify the President's declaration of J.C. Conroy to be President-Elect for the ensuing year.

Carried

7(b) 1976-1977 Executive

The President declared the members of the 1976-1977 Executive to be:

President	-	H.G. Wylie
President-Elect	-	J.C. Conroy
Past President	-	L. Nairn
Secretary	-	J.E. Guthrie
Treasurer	-	W.L. Askew
Regional Director	-	R.A. Brust (elected in 1975)

The President ordered the chairman of the Nominations Committee (G.L. Ayre) to destroy the ballots.

## NEW BUSINESS

8(a) Regional Director's Allowance

At the 1975 Annual General Meeting, a motion was passed authorizing the payment of an allowance to the Regional Director, to cover the cost of accommodation and meals while attending meetings of the Governing Board of the E.S.C. This allowance was the cost of accommodation plus \$16.00 per day for meals, for the duration of the Board meetings and including travelling time. Dr. Wylie observed that the cost of meals has increased since last year. Furthermore, it should not be necessary to vote on the Regional Director's allowance at every annual meeting.

Motion - Wylie/Bucher: That the Regional Director's allowance while attending ESC Governing Board meetings and including travelling time, be the cost of accommodation, plus a daily allowance for meals equal to the per diem allowance including incidentals that is in effect for Agriculture Canada employees.

Carried

8(b) By-Laws

The Secretary discussed the reasons for proposing new By-Laws, and the changes reflected therein.

Motion - Guthrie/Ayre: That the By-Laws circulated to the membership under notice of motion dated 22 September, 1976, and including subsequent corrections, be adopted as the By-Laws of the Entomological Society of Manitoba Incorporated. And that all constitutions and by-laws, including their amendments, adopted and proclaimed prior to 5 November, 1976 be rescinded.

Amendment - Gerber/Conroy: The second sentence of paragraph 3 of Article IX referring to the Regional Director be amended to read "He shall be a member of the National Society and shall serve for three years".

Carried

Main Motion as Amended

Carried Unanimously

- 8(c) On behalf of the Society, the President expressed appreciation of the fine scientific program assembled by Dr. Osgood for this year's meeting. Dr. Osgood departs for the United States with all the good wishes of his fellow members and their hopes for happiness and success in his new position.
- 8(d) The members accorded their thanks to the Executive, for their efforts during 1975-1976 on behalf of the Society. The luncheon meetings and their speakers' topics were commended.

## TRANSFER OF OFFICE

- 9(a) After expressing his appreciation for the support received during his term of office, the President discharged all committees appointed during his term. He then installed Dr. H.G. Wylie as President for the term 1976-1977 by presenting him with the Society's gavel.
- 9(b) The incoming President thanked the members for their confidence in him.
- 10(a) The President re-appointed J.E. Guthrie as Coordinating Chairman - 1977 Joint Meeting Committee. Dr. Guthrie promptly re-appointed R.A. Ellis and J.C. Conroy as chairman of the Local Arrangements and Program committees, respectively.
- 10(b) There being no further business the President called for adjournment.

11. Adjournment

Motion - L.B. Smith/: That the 32nd Annual General Meeting of the Entomological Society of Manitoba be adjourned. Carried

The 32nd Annual General Meeting was adjourned by President Wylie at 15:55h., 5 November, 1976.

J.E. Guthrie  
Secretary

L. Nairn  
President

## ENTOMOLOGICAL SOCIETY OF MANITOBA, 1976 - 77 EXECUTIVE

Dr. H.G. Wylie	President Agriculture Canada Research Station 195 Dafoe Road WINNIPEG, Manitoba R3T 2M9 269-2100
Dr. J.C. Conroy	President-Elect Department of Biology University of Winnipeg WINNIPEG, Manitoba
Mr. L. Nairn	Past President Canadian Forestry Service 501 University Crescent WINNIPEG, Manitoba R3T 2N6 269-7379
Dr. J.E. Guthrie	Secretary P.O. Box 41 PINAWA, Manitoba R0E 1L0 753-2311 (261) Res. 753-2622
Mr. W.L. Askew	Treasurer Agriculture Canada, Research Station
Dr. H. Westdal	Editor - The Manitoba Entomologist Agriculture Canada, Research Station
Dr. R. Brust	Regional Director Department of Entomology University of Manitoba WINNIPEG, Manitoba R3T 2N2

Appendix A

A G E N D A

1. Adoption of agenda
2. Adoption of Minutes of the 31st Annual Business Meeting held  
7 November 1975
3. Business arising from Minutes of 31st Annual Meeting
4. Executive Reports
5. Board Reports
6. Committee Reports
7. Results of Election Mail Ballot
8. New business
9. Transfer of office
10. Appointments
11. Adjournment

## Appendix B

## PRESIDENT'S REPORT

It has been a pleasure to serve as President of the Entomological Society of Manitoba in 1976. It has been an active year for both the members and the Executive. Our four luncheon meetings and new members' social had excellent attendance. A highlight in the New Year was the meeting held in Winnipeg by the Governing Board of the Entomological Society of Canada to meet with graduate students. Our membership has increased to 116, including 97 regular members and 19 student members.

A major activity of the Society during the past year has been preparing for the Joint Meeting of the Entomological Society of Canada and the Entomological Society of Manitoba to be held in August 1977. All committees are striving to ensure the complete success of this meeting.

Our society is now incorporated under letters patent and you will be asked at this meeting to adopt new By-Laws of the Entomological Society of Manitoba Incorporated. Guidelines for the Editor and Associate Editor have been established. A student merit award will be presented by the Society in 1977. Seven years ago our Society established an endowment fund for publication of The Manitoba Entomologist. The wisdom of this action will bear fruit within the year as we are now forced to carry the major share of the printing costs.

Our technical session at this meeting has been organized by Dr. C. Osgood, and I take this opportunity to thank our Program Chairman and all participants for contributing to the success of the meeting.

I wish to express my sincere appreciation to the members of the Executive and committees for the progress they have achieved and to all members of the Society for their support. To the incoming Executive, best wishes for a very successful year.

L. Nairn

November 4, 1976

## Appendix Ca

THE ENTOMOLOGICAL SOCIETY OF MANITOBA  
BALANCE SHEET  
FOR THE YEAR ENDING OCTOBER 31, 1975

ASSETS		
Current Account Bank Balance		\$ 1,037.73
Savings Account Bank Balance		278.02
Investments # 667515	\$ 1,600.00	
# 760658	1,200.00	
# 844276	2,500.00	
# 853600	1,500.00	
# 854190	1,200.00	
# B37947	2,000.00	
# D39882	2,000.00	
Petty Cash		12,000.00
		<u>18.00</u>
		<u>\$13,333.75</u>
LIABILITIES AND SURPLUS		
Liabilities	\$ Nil	
Surplus Account		
Balance as at October 31, 1974	\$10,817.37	
Add. Net Income for the period	2,516.38	
		<u>\$13,333.75</u>

Appendix Ca

THE ENTOMOLOGICAL SOCIETY OF MANITOBA  
AUDIT REPORT FOR THE YEAR ENDING  
OCTOBER 31, 1975

I have examined the records of the Entomological Society of Manitoba for the year ended October 31st, 1975.

My examination included a general review of the accounting procedures and such tests of accounting records and other supporting documents as I considered necessary in the circumstances.

In my opinion, the attached financial statements present fairly the financial position of the Society as at the year ended October 31st 1975 and the results of its operations for the year then ended in accordance with generally accepted accounting principles.

Yours sincerely

John Critchley

NOTE: The current account contains an amount of \$164.56 which represents 40% of Membership and Life Memberships, interest and donations and should be transferred to the savings account.



## Appendix Ca

THE ENTOMOLOGICAL SOCIETY OF MANITOBA  
STATEMENT OF RECEIPTS AND DISBURSEMENTS  
FOR THE YEAR ENDING OCTOBER 31, 1975

RECEIPTS		
Memberships	\$ 352.50	
Subscriptions	493.11	
Page Charges	1,200.00	
Committee Income	158.50	
Reprints	1,088.00	
Annual Meeting	437.50	
Premium on U.S. Funds	1.69	
Subscription Refund Cheque not negotiated	6.00	<u>\$3,737.30</u>
DISBURSEMENTS		
Printing	\$ 479.96	
Stationary	55.67	
Typing	327.25	
Postage	105.72	
Bank charges	1.05	
Safety Deposit Box	7.50	
Committee Expense	20.00	
Annual Meeting	628.01	
Other Meetings	429.74	
Miscellaneous - Univ. of Calgary cheque mailed to Society in error	34.00	
Scholarship	20.00	<u>\$2,108.90</u>
Net profit from operations		1,628.40
Add Income from G.I.R. Investments		824.56
Income from Savings Account		63.42
Total Net Income for the Year Ending October 31, 1975		<u><u>\$2,516.38</u></u>

## Appendix Ct

TREASURER'S REPORT  
 ENTOMOLOGICAL SOCIETY OF MANITOBA  
 FINANCIAL STATEMENT - 1 NOVEMBER 1975 - 31 OCTOBER 1976

INCOME

Bank Balance, 1 Nov. 75 - Current	\$ 1,037.73	
- Savings	278.02	
Membership Fees	520.50	
Manitoba Entomologist - Subscriptions	523.23	
- Page Charges	1,230.00	
- Reprint Sales	1,002.00	
Committee Income	172.00	
Investment Income - G.I.R.	1,083.21	
- Savings Interest	79.57	
1975 Ent. Soc. Ann. Meeting	574.00	
Petty Cash	25.00	
		\$ 6,525.26

EXPENDITURES

Bank Balance, 31 Oct. 76 - Current	187.61	
- Savings	516.56	
Petty Cash	25.00	
Printing	1,695.12	
Stationary	52.94	
Typing	328.75	
Postage	161.54	
1975 Annual Meeting	670.49	
Advance on 1976 Ann. Meeting	35.00	
Other Meetings	148.55	
Committee Expenses	199.02	
Advance 1977 Joint Meeting	250.00	
Lawyers' Fee Letters of Patent	149.32	
1973-74-75 Auditors' Fee	65.00	
Honorarium	28.20	
Safety Deposit	7.50	
Bank Charges	4.66	
Investments Bought	2,000.00	
		\$ 6,525.26

## Appendix Ct

INVESTMENTS

Guaranteed Investments (Royal Trust)		
# 667515	\$ 1,600.00	
# 760658	1,200.00	
# 844276	2,500.00	
# 853600	1,500.00	
# 854190	1,200.00	
# B37947	2,000.00	
# D39882	2,000.00	
# J33544	2,000.00	
Savings Account (Royal Trust)	<u>516.56</u>	
	\$14,516.56	
Total Assets October 1976		
Investments	\$14,516.56	
Current Account	187.61	
Petty Cash	<u>25.00</u>	
	\$14,729.17	\$14,729.17
Total Assets October 1975	\$13,333.75	<u>\$13,333.75</u>
Net Income		\$ 1,395.42

Walter L. Askew  
Treasurer  
October 31, 1976

## Appendix D

## EDITOR'S REPORT

Volume 9 of the Manitoba Entomologist is in the final stages of preparation. Most of the papers have been sent to the printers and authors should be getting galley proofs within a short time. The journal should be out before the end of the year.

Since its inception, the Manitoba Entomologist has been printed at the office of the Queen's Printer through the courtesy of the Manitoba Department of Agriculture. Costs to the Society have been minimal, usually about two to three hundred dollars. In June of 1976, it was learned that this avenue was no longer open to the Society for the publication of the journal. Quotations for typesetting and printing of the journal were obtained from four Manitoba firms, Magnecord Graphics Limited, and the U.M.S.U. Print Shop, Winnipeg, D.W. Friesen and Sons, Altona, and The Springfield Leader, Lac du Bonnet. The Springfield Leader was selected on the basis of the lowest quotation and a personal knowledge of performance by a member of the executive. Indications are that the Manitoba Department of Agriculture will continue its support of the journal. It is anticipated that the cost to the Society for publication of volume 9 will be about one thousand dollars.

In view of the above, it is recommended that page charges be increased from a flat rate of fifteen dollars per page to twenty-five dollars per page of text and thirty-five dollars per figure or table.

P.H. Westdal  
Editor

## Appendix E

SUMMARY OF ANNUAL REPORT OF THE REGIONAL DIRECTOR,  
ENTOMOLOGICAL SOCIETY OF CANADA

The Joint Meeting of the Entomological Society of Ontario and the Entomological Society of Canada, October 25-27, was highlighted by a provocative report on Manpower in Entomology. Three Liberal Members of Parliament gave their views on the report, encouraging Society members to carry their message to the public as well as to their local Members of Parliament in each province.

The Entomological Society of Canada Governing Board is very concerned about the employment situation in entomology, and would like to see the Manpower report publicized as much as possible. They are open to suggestions as to how this might be done most effectively, before the momentum of the report is lost.

The Entomological Society of Canada Governing Board was pleased with the program prepared by the program committee, Entomological Society of Manitoba, for the Joint Meeting in 1977. The Manitoba committee was commended for the advanced state of the scientific and local arrangements programmes.

At the general business meeting of the E.S.C. in Toronto, an increase in dues was approved. Dues in effect January 1978 will be \$25 per member, and \$10 per Student Member. The \$2 discount for Regional Members was cancelled.

The E.S.C. Board of Directors voted down a motion to purchase a headquarters building on Carling Avenue, Ottawa, selected by the E.S.C. Finance Committee. The option to purchase the building for \$52,000 expired November 1, 1976.

The E.S.C. Governing Board asked that each affiliate society appoint an awards committee for the E.S.C. gold medal and Hewitt awards. Outstanding candidates are often not nominated, and it was felt that this could be remedied by the appointment of a committee.

R.A. Brust  
Regional Director, E.S.C.

November 1976

## Appendix F

## SUMMARY OF ANNUAL REPORT OF THE ENDOWMENT FUND COMMITTEE

The Entomological Society of Manitoba in November 1975 set a new objective for the Endowment Fund of \$16,000. This objective is interpreted by the Endowment Fund Committee to be the minimum investment that would generate the necessary funds to ensure publication of the Manitoba Entomologist. The fund increased from \$12,000 to \$14,000 during the past year, as a result of interest reinvestment, page charges for publication of the Manitoba Entomologist and the transfer of 40% of full and student membership dues of the Society. A withdrawal of \$500 from the savings account was made in October 1976, and probably another \$500 will be required to publish the Manitoba Entomologist this year. However, most of the cost of publication will be met by page charges, and only a portion of the cost will be charged to the Endowment Fund. This situation could change next year, if the fund is called upon to meet a greater share of the publication cost and if these costs increase substantially.

All investments of the Endowment Fund are held in 5 year guaranteed interest rate bonds invested in the Royal Trust Co. at 287 Broadway, Winnipeg. Interest on investments are paid January 1 and July 1. The average interest rate is 9.178%.

<u>Amount</u>	<u>Interest Rate %</u>	<u>Maturity Date</u>	<u>Annual Income</u>
2,800	7.75	Oct. 1977	217.00
2,500	8.875	Nov. 1978	221.875
1,500	8.875	Jan. 1979	133.125
1,200	9.125	Apr. 1979	110.50
2,000	10.875	Oct. 1979	217.50
2,000	8.875	July 1980	177.50
<u>2,000</u>	<u>10.375</u>	July 1981	<u>207.50</u>
14,000	9.178		1,285.00

Savings Account Balance November 1976 - \$516.56

S.A. interest November 1976 (8%)

G. Bucher	)		
V. Hildahl	)	Endowment Fund Trustees	November 1976
R. Brust, Chairman	)		

Appendix G

SUMMARY OF ANNUAL REPORT OF THE EDITORIAL BOARD

As the Executive, Entomological Society of Manitoba Incorporated, did not request the Board to recommend publication policies, and as the Editors of the Society's publications did not request any interpretation of editorial policy, the Editorial Board held no meetings in 1976.

G.E. Bucher, Chairman  
D.L. Smith  
G.R. Webster  
F.L. Watters

November 1, 1976

Appendix H

SUMMARY OF ANNUAL REPORT OF PUBLICITY COMMITTEE

During 1976 three newsletters were prepared and distributed to Society members. The newsletters attempted to publicize Society affairs, expected insect problems in Manitoba, industry news, meetings past and future, personalia items and various other items of a timely or pertinent nature. There were no releases prepared for the news media during 1976.

Contributors to the newsletter are very essential to its success. The contributions received from various members for inclusion in the newsletters have been very much appreciated.

Respectfully submitted

A.J. Kolach, Chairman  
Publicity Committee



## Appendix I

## ANNUAL REPORT OF THE SOCIAL COMMITTEE

Planning for 1976 centered around a "New Members" social and periodic luncheons. The "New Members" social was attended by 56 people at the Faculty Lounge, University of Manitoba. The four luncheons throughout the year were well attended at the Ramada Inn with an average of 35 members turning out to hear guest speakers presenting a wide range of interesting current topics.

The total cost of the Social Committee's activities, which included guest speakers luncheons, tax, gratuities, and expenses for the new members social, was approximately \$142.00. This was within our budget approved by the Executive for the Social Committee at the beginning of the year.

On behalf of the Committee, I would like to thank the Executive and membership for their co-operation during our term of office.

G. Hamilton, Chairman, Social Committee  
B. Farmery  
B. Semple

## Appendix J

## SUMMARY OF ANNUAL REPORT OF YOUTH ENCOURAGEMENT COMMITTEE

During 1975-76 the Youth Encouragement Committee continued an active program of disseminating entomological information to interested children. As in previous years, two workshops and two field trips were conducted. The response to these meetings was, to say the least, excellent. It is hoped that future committees will organize functions of a similar nature. The only apparent drawback to such a program is the inability of young children from districts distant from the university campus to attend these functions. Future committees will undoubtedly confront this problem.

We also participated in the Winnipeg School Science Symposium and organized a three day display at the Polo Park shopping centre. The popularity of our exhibits reinforced the view that the public is keenly interested in assimilating and discussing information concerning insects.

Members of the committee were invited to present seminars at a number of elementary and secondary schools in and around Winnipeg. The success of our visits was reflected by the increased number of names on the committee's mailing list.

On behalf of the committee, I wish to thank those members of the Society who gratefully donated their time, enthusiasm and expertise to a worthwhile cause.

Robin A. Graham (Chairman)  
Terry D. Galloway  
Dr. W.B. Preston  
Eileen Adams

## Appendix K

ANNUAL REPORT OF THE REPRESENTATIVE  
ON THE MANITOBA ENVIRONMENTAL COUNCIL

My initial term on the Council expired on 18 February 1976 and I was re-appointed for another two years on the request of the E.S.M. Executive. Until 13 May 1976, I was Chairman of the Environmental Chemicals Committee whose major activities were related to the preparation of briefs on applications for insecticidal programs to the Clean Environment Commission. The Committee obtained expert advice from several E.S.M. members and the briefs stressed the importance of proper application techniques, human safety, and the need to avoid unfavourable weather during application. In April, the Council sponsored Dr. Brust and myself to present information on proper methods of biting fly control to the city council and citizens of Thompson. In May, the Environmental Protection Branch published "A Guide for Mosquito Control in Manitoba" by R.A. Brust, R.A. Ellis and K.W. Plews. This publication was recommended to the Minister by a resolution passed by the Council.

On 13 May 1976, I was elected Chairman of the Council. Several other members of the E.S.C. are members of the Council and they, as well as myself, will continue to provide an entomological viewpoint in the activities of the Council.

W.J. Turnock  
Representative

15 October 1976

## Appendix L

INSECT CONTROL PLANNING GROUP, CITY OF WINNIPEG  
E.S.M. REPRESENTATIVE REPORT

The Insect Control Planning Group met once during the past year. This meeting, held January 26, 1976, was a review of 1975 activities and the implication of the research results on the 1976 program.

Tree protection and mosquito research were the major items reported on and discussed. Dr. R. Ellis, City Entomologist, summarized his report on insecticide efficacy in the 1975 tree protection program. The problem areas of fall cankerworm and forest tent caterpillar infestations were outlined for 1976 as indicated by fall egg-mass surveys. Mosquito control in Winnipeg was discussed in detail by Dr. Ellis, including larvicide evaluations, thermal fogging in relation to restrictions by the Clean Environment Commission and the 1976 forecast of the western equine encephalitis problem. A grant from the province provided funds for a 1976 program to evaluate tree insect pest control operations and to sample for evidence of Dutch elm disease within the city of Winnipeg.

L.D. Nairn  
Representative

31 October 1976

## Appendix M

## SUMMARY OF ANNUAL REPORT OF THE ARCHIVIST

Papers and records of the Society for the period 1945-70 have been sorted and classified in files as follows: 1) membership lists; 2) scientific programs; 3) press clippings (1945-49); 4) minutes etc. of meetings of Manitoba entomologists held in 1943-45 leading to the establishment of the Society; 5) communications of the Manitoba Society's representative on the Common Names Committee of the Entomological Society of Canada; 6) correspondence, minutes, notices, briefs, etc., segregated by years and arranged chronologically.

Most of the files are incomplete in varying degrees. An effort should be made to complete some of them. The file containing correspondence etc., constitutes the bulk of the material. Much of this is of a routine business nature, but some of it relates to highlights in the history of the Society and its activities on the local and national scene.

Through the courtesy of Prof. A.G. Robinson the material is currently stored in the Department of Entomology, the University of Manitoba.

It is recommended that the Executive give early consideration to such questions as the future disposition of this material, the possible desirability of augmenting it and its use.

R.J. Heron

5 November 1976

## Appendix N

JOINT ANNUAL MEETING OF THE ENTOMOLOGICAL SOCIETY OF CANADA AND  
OF THE ENTOMOLOGICAL SOCIETY OF MANITOBA

(August 22-24, 1977)

The theme of the Joint Meeting of the two Societies will be "Insect Damage Assessment". The keynote speaker, P. Gove, Minnesota Pollution Control Agency, will address the meeting on "Entomological Information Needed by Regulatory Bodies". The feature Symposium, to be held on August 23, will be on "Damage Assessment in the Agro-Ecosystem". F.L. McEwen, University of Guelph, will chair the session and four speakers will form the panel. These are: F.L. Watters, Agriculture Canada, Winnipeg, who will speak on "Assessing Losses in Stored Products"; W.G. Ruesinck, Illinois Natural History Survey, Urbana, who will speak on "Assessing Losses using Plant Models"; R.H. Burrage, Agriculture Canada, Saskatoon, who will speak on "Assessing Losses in Field Crops"; and C.H. Buckner, Chemical Control Research Institute, Ottawa, who will speak on "The Impact of Pesticides on Non-Target Organisms". A second Symposium, to be held on August 24, will consider "Insect Factors in Human and Animal Health". S. McIver, University of Toronto, will chair the session and four speakers will participate. These are: D.M. McLean, Department of Medical Microbiology, University of British Columbia, who will speak on "Insects Affecting Humans: Disease Vectors"; R.A. Ellis, City of Winnipeg Entomologist, who will speak on "Insects Affecting Urban Dwellers: tree, lawn, garden and household pests"; G.F. Bennett, Department of Biology, Memorial University, who will speak on "Insects Affecting Wildlife"; and C.D. Steelman, Louisiana State University, who will speak on "The Development of Pest Management Programmes for Livestock". This second Symposium is being organized by the Entomological Society of Canada.

Special Interest Groups will be arranged on request.

The scientific programme will also include the presentation of the Hewitt Award, the Gold Medal Award and Address, and a presentation by Miss Alma Criddle on "The Criddles of Aweme".

J. Conroy

## Appendix 0

## STUDENT ACHIEVEMENT AWARD

A committee comprising C. Jay, D. Smith, and F.L. Watters, was appointed by the Executive of the Entomological Society of Manitoba to consider a suggestion that the Society should sponsor an undergraduate achievement award for a student of entomology. The three committee members met on 13 July 1976 to discuss the proposal. We wish to make the following recommendations to the Executive regarding various aspects of this award.

1. Eligibility

The award should be made to an undergraduate student in his/her final year of a Bachelor's degree course at one of the three universities or their affiliated colleges in the Province of Manitoba. Candidates for the award should be chosen from students in Department of Entomology, Biology or Zoology who are majoring or planning to major in entomology.

2. Selection

A candidate (or candidates) for the award should be nominated by the Departmental Council of Entomology, Biology or Zoology which should then forward relevant supporting information to the Executive of the Society. Candidates should be nominated by June of the year in which the award is to be made.

3. The Society should not be obliged to make an award every year. In certain years when more than one outstanding student may qualify for an award, the Society may be justified in making an award to each student.

4. Criteria

The award is to be made to a student who shows an exceptional interest in entomology as evidenced by his/her insect collections, insect photography, published articles of entomological interest, excellence in class assignments in entomology, insect experiments, or

## Appendix 0

outstanding contributions during summer employment etc. A minimum academic standard of C<sup>+</sup> in the final year should be attained in entomology, biology or zoology.

6. Awards Committee

An awards committee comprising a chairman and 2 members of the Society should be appointed by the Executive of the Society each year. The committee should be charged with the responsibility of obtaining nominations for the award and for making the appropriate recommendations to the Society.

7. Nature of the Award

A suitably enscripted plaque is recommended as an award. The following enscriptation is proposed:

The Entomological Society of Manitoba  
Undergraduate Student Award  
Presented to  
Tribolium john  
For Superior Achievement in Entomology  
1977

8. Cost of Plaque

A 9" x 7" plaque may be purchased from Kelbert Trophies Ltd., 505 Century St., Winnipeg, at a cost of about \$8.00. Suitable machine engraving costs 5 cents a letter. There would be no advantage to making a bulk purchase, according to the distributor of these trophies.

F.L. Watters  
Chairman

17 September 1976



ENTOMOLOGICAL SOCIETY OF MANITOBA INC.

BY-LAWS

(Adopted 5 November 1976)

ARTICLE I - NAME

As prescribed in the Letters Patent of Incorporation, the Corporation shall be known as the Entomological Society of Manitoba, hereinafter referred to as the Society.

ARTICLE II - AFFILIATION

The Society shall be affiliated with the Entomological Society of Canada, hereinafter referred to as the National Society.

ARTICLE III - OBJECTS

As prescribed in the Letters Patent of Incorporation, the objects of the Society shall be:

1. The study, advancement and promotion of entomology, and the exchange and dissemination of entomological knowledge.
2. To establish an Endowment Fund for the purpose of the publication of scientific journals.
3. To establish, support and maintain such projects as the Society deems appropriate.

ARTICLE IV - HEAD OFFICE

As prescribed in the Letters Patent of Incorporation, the head office of the Society shall be located in the City of Winnipeg in the Province of Manitoba, Canada.

BY-LAWS

ARTICLE V - MEMBERSHIP

1. Membership in the Society shall be open to persons who support the objects of the Society.
2. Members may withdraw from the Society by a written resignation delivered to the Secretary, but dues paid shall not be refunded.
3. There shall be two classes of membership: ACTIVE and HONORARY.
4. ACTIVE MEMBER: A person who supports the objects of the Society may become an Active Member. Only Active Members may vote and hold office. Active Members shall include Regular Members, Life Members and Student Members.
  - a. Regular Member: A person may become a Regular Member on payment of prescribed dues.
  - b. Life Member: A person may become a Life Member by written application delivered to the Secretary and on payment of the prescribed fee.
  - c. Student Member: A person who supplies evidence of student status may become a Student Member on payment of prescribed dues.
5. HONORARY MEMBER: An Active Member or former Active Member who has made an outstanding contribution to the Society or to the advancement of entomology may be elected an Honorary Member of the Society. Five Active Members of the Society may submit a name in writing to the Secretary for election to Honorary Member. The number of Honorary Members shall not exceed ten percent of the total active membership of the Society.
  - a. Honorary Members are not required to pay dues.

BY-LAWS

- b. Honorary Members shall receive copies of the Society's publications.
- c. Honorary Members who retain Active Membership shall have all the privileges of Active Membership.

ARTICLE VI - DUES AND FEES

1. The dues prescribed for Regular Membership and Student Membership shall be determined by resolution of the Executive and shall be approved by Active Members at an annual meeting.
2. Dues shall be due on the first day of November each year.
3. Regular and Student Members whose dues are more than twelve months in arrears shall be considered to have resigned their membership in the Society.
4. The fee prescribed for Life Membership shall be determined by resolution of the Executive and shall be approved by Active Members at an annual meeting.

ARTICLE VII - THE EXECUTIVE

1. The Society shall be managed by the Executive, hereinafter referred to as the Executive. The Executive shall be composed of the OFFICERS and the EXECUTIVE MEMBERS.
2. The Executive is empowered to act on behalf of the Society within the bounds of these By-Laws, and to pay all expenses incurred on behalf of the Society which are not inconsistent with these By-Laws. All expenditures shall be submitted for ratification at the next annual meeting of the Society.

BY-LAWS

3. The Executive shall meet at the call of the President or at the written request of three members of the Executive.

ARTICLE VIII - OFFICERS

1. The Officers of the Society shall be the President, the President-Elect and the Past President.

2. The Officers of the Society shall hold office from the end of one annual meeting until the end of the next.

3. The President shall be that person who has most recently completed a term of office as President-Elect. Should the office of President become vacant, it shall be filled by the President-Elect, who will then serve his normal term as President.

The President shall be the chief executive officer of the Society and shall see that the business of the Society is carried out.

The President is empowered to conduct the affairs of the Society between meetings of the Executive subject to ratification by the Executive when it next meets.

4. The President-Elect shall be elected by annual mail ballot and shall fill the office of the President when it becomes vacant. Should the office of the President-Elect become vacant, it may be filled temporarily by the Executive until an election can be held.

5. The Past President shall be that person who has most recently completed a term of office as President. Should the offices of President and President-Elect both become vacant, the Past President shall fill the office of President until an election can be held. Should the office of Past President become vacant, it may be filled temporarily by a former President of the Society or a person appointed by the Executive.

BY-LAWS

ARTICLE IX - EXECUTIVE MEMBERS

1. The Executive Members of the Society shall be one Member at Large and the Regional Director to the National Society, hereinafter referred to as the Regional Director.

2. The Member at Large shall be elected by annual mail ballot and shall serve on the Executive from the end of one annual meeting until the end of the next.

Should the office of Member at Large become vacant, it may be filled temporarily by the Executive until an election can be held.

3. The Regional Director shall be elected by mail ballot. He shall be a member of the National Society and shall serve for three years.

Should the office of Regional Director become vacant, it may be filled temporarily by the Executive until an election can be held.

The Regional Director shall discharge his duties in accordance with the By-Laws of the National Society and the objects and interests of the Society.

If the Regional Director is unable to attend a meeting of the Governing Board of the National Society, the Executive is empowered to appoint an Alternate with full proxy to represent him.

ARTICLE X - THE EXECUTIVE STAFF

1. The Executive Staff of the Society shall be the Secretary, the Treasurer, the Editor - The Manitoba Entomologist and the Editor - Proceedings of the Entomological Society of Manitoba.

2. The Executive Staff shall be appointed annually by the Executive. They shall conduct the affairs of the Society according to the instructions and policies determined by the Executive and by Active Members at annual, general, or special meetings. Consecutive annual appointments are permitted.

BY-LAWS

3. The Executive Staff shall serve as advisors to the Executive but are not members of the Executive.

ARTICLE XI - TRUSTEES

1. The Trustees of the Society shall be the Executive Staff.
2. The Trustees of the Endowment Fund shall be the Endowment Fund Board.

ARTICLE XII - THE ENDOWMENT FUND

1. As prescribed in the Letters Patent of Incorporation, the Society shall establish an Endowment Fund for the purposes of publication of scientific journals and the support of such projects as the Society deems appropriate.
2. The Endowment Fund Board shall consist of the Chairman and two members. They shall be appointed by the Executive and shall serve for three years. Consecutive three year term appointments are permitted.
3. The Endowment Fund Board shall manage the Endowment Fund according to the policies determined by the Executive and by Active Members at annual, general or special meetings. They shall serve as Endowment Fund advisors to the Executive but are not members of the Executive.

ARTICLE XIII - PUBLICATIONS

1. The official publications of the Society shall be The Manitoba Entomologist and the Proceedings of the Entomological Society of Manitoba.
2. The Society may publish a newsletter. Its title, frequency and method of publication shall be determined by the Executive.

BY-LAWS

ARTICLE XIV - THE EDITORIAL BOARD

1. The Editorial Board shall consist of the Chairman and at least two but not more than four Active or Honorary Members.
2. The Chairman and members of the Editorial Board shall be appointed annually by the Executive or by the President subject to ratification by the Executive.
3. The Editorial Board are not members of the Executive.
4. The Editorial Board shall:
  - a. Recommend publication policies for the Society's official publications to the Executive.
  - b. At the request of either of the Editors, interpret editorial policy and adjudicate material submitted for publication in the Society's official publications.

ARTICLE XV - COMMITTEES

1. The committees shall include a Nominating Committee which shall be chaired by the Past President. The Nominating Committee shall consist of the Chairman, and three Active or Honorary members appointed by the President subject to ratification by the Executive.
2. Other committees may be established by the President subject to ratification by the Executive, as are required for the good conduct of the affairs of the Society, or for achieving the Society's objects. One member of each committee shall be designated to be the Chairman by the Executive.
3. The terms of reference of all committees shall be established by the President subject to ratification by the Executive.

BY-LAWS

4. The term of appointment of all committees shall not exceed the term in office of the President which appointed them.

ARTICLE XVI - MEETINGS

1. The Annual Meeting of the Society shall be held in the autumn preferably in November.

2. General Meetings of the Society may be called by the President.

3. A Special Meeting of the Society shall be held at the discretion of the Executive or on the written request of at least ten Active Members of the Society. The meeting must be held within thirty days of receipt of the request.

Written notice of such special meetings must be given to all Active Members of the Society at least fourteen days in advance of the meeting, and the purpose for which the meeting is to be held shall be stated. No other matters shall be dealt with at such a special meeting.

4. At all meetings of the Society, the Executive, the Endowment Fund Board, the Editorial Board, or committees, the Chairman shall cast a vote only in the event of a tie.

5. The President shall be Chairman at all meetings of the Society and of the Executive, and shall be ex officio member of all boards and committees.

In the absence of the President all meetings of the Society and of the Executive shall be chaired by the President-Elect.

In the absence of the President and the President-Elect, all meetings of the Society and of the Executive shall be chaired by the Past President.



BY-LAWS

ARTICLE XVII - ELECTIONS

1. Elections shall be by secret mail ballot.
2. Each question constitutes a separate ballot and spoiling a vote for one question does not spoil the other questions.
3. Each question on the ballot shall be determined by a simple majority of the votes cast unless otherwise specific in these By-Laws.
4. The Nominating Committee shall submit to the Secretary nominations for the offices to be filled by election. These are President-Elect, Member at Large and, when required, Regional Director. At least two names shall be submitted for each office. In addition, nominations may be submitted to the Secretary over the signatures of at least three Active Members of the Society. Each nomination shall be accompanied by a signed statement from the nominee indicating willingness to accept office if elected, and a brief biography of the nominee.
5. All nominations must be submitted to the Secretary not later than thirtieth of June.
6. The ballot shall contain the names of the nominees in alphabetical order for each office to be filled.
7. Honorary Members shall be elected by secret mail ballot.
8. The ballot shall be mailed to all Active Members of the Society on or before the first day of August. To be counted, all ballots must be received by the Secretary not later than the fifteenth of September of the same year.
9. The Secretary shall notify all candidates in writing of the results of the election. The names of elected candidates shall be announced at the next annual meeting.

BY-LAWS

ARTICLE XVIII - QUORUM

1. At any meeting of the Society, fifteen Active Members shall constitute a quorum.
2. At all meetings of the Executive, three of its members shall constitute a quorum.
3. At all meetings of a committee appointed by the President, a simple majority of its members shall constitute a quorum.
4. At all meetings of the Editorial Board and the Endowment Fund Board, a simple majority of the members shall constitute a quorum.
5. In elections or other business conducted by mail ballot, fifteen votes on any question shall constitute a quorum.

ARTICLE XIX - FISCAL YEAR

The fiscal year of the Society shall be from the first of September to the thirty-first of August.

ARTICLE XX - AUDITOR

The Active Members of the Society shall at each annual meeting appoint an auditor who shall audit the accounts of the Society. A vacancy in the office of auditor may be filled by the Executive.

ARTICLE XXI - SIGNING OFFICERS

The signing officers of the Society shall be the President or the President-Elect and the Treasurer or the Secretary.

BY-LAWS

ARTICLE XXII - CORPORATE SEAL

The Seal shall be the common seal of the Society by which all sealed instruments of the Society shall be attested under the hands of the signing officers. All contracts, documents and instruments in writing so signed shall be binding upon the Society without any further authorization or formality. The Seal shall be in the custody of the Secretary.

ARTICLE XXIII - RULES AND REGULATIONS

1. In these By-Laws the singular shall include the plural and the plural the singular.

2. In these By-Laws the masculine shall include the feminine.

3. Unless otherwise specified, meetings of the Society, the Executive, the Editorial Board, the Endowment Fund Board, and all committees, shall be governed by the usages and customs of the House of Commons of Canada so far as they may be applicable.

4. The Executive may prescribe rules and regulations, not inconsistent with these By-Laws, relating to the management and operation of the Society and of the Endowment Fund. Such rules and regulations shall have force and effect only until the next annual meeting of the Society, at which time they shall be submitted for confirmation as Standing Rules.

Unless approved by a two-thirds majority of the Active Members present at the Annual Meeting, they shall from that time cease to have force and effect.

5. A copy of Standing Rules shall be available to members of the Society on request.

6. Standing Rules may be amended or repealed, without giving previous notice, by a two-thirds majority vote of Active Members present at an annual meeting.

BY-LAWS

ARTICLE XXIV - AMENDMENT OF BY-LAWS

1. The By-Laws may be amended or repealed by two-thirds majority vote of Active Members. The vote shall be by mail ballot.

Amendment or repeal of these By-Laws may be proposed by the Executive or over the signatures of ten or more Active Members.

2. Proposals to amend or repeal shall be shown to the Active Members for consideration at least once, and at least two months shall elapse before they may be voted on.

The vote shall take place no later than twelve months after the proposals have been received by the Secretary.

ARTICLE XXV - DISSOLUTION

In the event of the dissolution of the Society, all the remaining assets after paying of liabilities shall be distributed to the Entomological Society of Canada Scholarship Fund and/or one or more recognized charitable organizations in Canada which shall be the decision of the meeting authorizing the said dissolution.

Dated: 5 November 1976

\_\_\_\_\_  
J.E. Guthrie

Secretary

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L. Mairn

President

Editor's Note

I wish to thank all the contributors for their efforts to comply with the instructions to contributors outlined in PROCEEDINGS of the ENTOMOLOGICAL SOCIETY OF MANITOBA 31: 2 (1975).

Philip S. Barker  
Editor, Proceedings