

L. French

PROCEEDINGS OF THE

ENTOMOLOGICAL
SOCIETY OF
MANITOBA

VOLUME 31

1975

Proceedings of the
ENTOMOLOGICAL SOCIETY
of
MANITOBA

Volume 31
1975

Associate Editor: P. S. Barker

Instructions to contributors

All materials prepared for the Proceedings should be typed, using an IBM typewriter with Gothic type, single spaced on 8½ x 11 plain white paper (no letterhead).

The margins should be 1¼ inches on the left and right sides with 2½ inches at the top and bottom of the pages.

Committee reports should use the following standardized format in order to eliminate re-typing for publication:

Appendix (leave blank)
Annual Report of the (fill in) Committee

Text of the report

John Doe, Chairman
Jack Smith
Sam Jones

etc.

Date.

Could you please keep your contributions as short as you can without serious loss of content.

Though suggestions for the improvement of the Proceedings are welcome (through the Editorial Committee), it is with a great sense of amusement that this editor will reject other interference with the editorial process.

Philip S. Barker.

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

MINUTES OF THE
31st ANNUAL MEETING
ENTOMOLOGICAL SOCIETY OF MANITOBA
1:30 P.M., 7 NOVEMBER, 1975
RAMADA INN, WINNIPEG

Present

G.L. Ayre, President; R.N. Sinha, Past President; L. Nairn, President-elect; J.E. Guthrie, Secretary; B.A. Bowden, Treasurer; W.J. Turnock, Editor - the Manitoba Entomologist; and

W.L. Askew	S.R. Loschiavo
P.S. Barker	W.J. McCullough
R.A. Brust	C.E. Osgood
G.E. Bucher	W.B. Preston
J.C. Conroy	A.J. Robinson
T. Galloway	R. Semple
G.H. Gerber	D.L. Smith
R. Graham	L.B. Smith
G. Hamilton	W.J. Turnock
R.J. Heron	F.L. Watters
S.C. Jay	H. Westdal
A.J. Kolach	H.G. Wylie

Also present: F.E. Webb, visitor and former member.

In Memoriam

At the request of the President, the members observed a moment of silence in memory of the late R.D. Dixon.

1. Agenda

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

Carried

2. Minutes

Motion - Guthrie/Conroy: Adoption of the minutes of the 30th Annual Meeting held 8 November, 1975 as published in the Society's Proceedings, and errors subsequently corrected in the Newsletter to reflect the minutes as recorded.

Carried

BUSINESS ARISING FROM THE MINUTES

3(a) 1972-73 and 1973-74 Audits

The President read the summary Auditor's report and tended the detail reports for examination by the members.

Motion - Gerber/Westdal: That the audits for the fiscal years 1972-73 and 1973-74 (Appx. B) be accepted.

Carried

Motion - Guthrie/Nairn: That Mr. John Critchley be appointed to perform the audit for the fiscal year 1974-75.

Carried

3(b) ESC Manpower Survey

The President referred to the motion passed at the 30th Annual Meeting, in which \$100.00 was authorized as a contribution to the National Society's Manpower Survey. The ESC has obtained a grant for this survey, consequently donations from the regional societies are not being solicited.

Motion - Turnock/Gerber: That the motion passed at the previous annual meeting pertaining to the payment of \$100.00 as a contribution to the Entomological Society of Canada Manpower Survey (para. 3(d), minutes of 30th Annual Meeting) be rescinded.

Carried

EXECUTIVE REPORTS

4(a) President (Appx. C)

Motion - Guthrie/Usqood: That the President's report delivered to the Society during the course of his opening remarks to the 31st Annual Meeting of the Entomological Society of Manitoba, be accepted.

Carried

4(b) Treasurer (Appx. D)

Motion - Bowden/D.L. Smith: Acceptance of the Treasurer's report subject to audit.

Carried

4(c) Endowment Fund - R.A. Brust (Appx. E)

Motion - Brust/Conroy: Acceptance of the report and adoption of its recommendations.

Carried

4(d) Editor - Manitoba Entomologist (Appx. F)

Motion - Turnock/Loschiavo: Acceptance of the report and its referral to the Executive for implementation.

Carried

Action -
Executive

The Editor was congratulated for his work by the members.

4(e) Regional Director to ESM - G.H. Gerber (Appx. G)

Motion - Gerber/Usqood: Acceptance of the report.

Carried

4(f) Letters Patent - J.E. Guthrie

Incorporation of the Society as a Corporation Without Share Capital under the Companies Act of Manitoba was recommended. The major reasons given for this recommendation were:

1. members not liable to civil action when acting on behalf of the Society
2. definition of status for income tax purposes
3. protection of the Society's name from unauthorized use.

Motion - Guthrie/Bucher: The Executive is authorized to incorporate the Entomological Society of Manitoba as a Corporation Without Share Capital under the Companies Act of Manitoba, and to retain the legal counsel of Joseph Lyons, Q.C., of Stonewall, Manitoba for the purpose of securing Letters Patent on behalf of the Society and duly registering the Society under the Manitoba Companies Act.

Carried

COMMITTEE REPORTS

5(a) Youth Education - T. Galloway (Appx. H)

Motion - Galloway/Conroy: Acceptance of the report.

Carried

The President commented on the report of Mr. Galloway's committee in the ESC Bulletin. Mr. Galloway and his fellow committee members were applauded for their work on behalf of the Society.

5(b) Membership - B. Bowden (Appx. I)

Motion - Bowden/Gerber: Acceptance of the report.

Carried

5(c) Publicity - S.C. Jay (Appx. J)

Motion - Jay/D.L. Smith: Acceptance of the report.

Carried

The President remarked that the Newsletter editor needs information and items from the membership, if the Newsletter is to fulfil its purpose.

5(d) Environment - J.C. Conroy (Appx. K)

Motion - Conroy/Gerber: Acceptance of the report and adoption of its recommendation.

Carried

5(e) Social - R.B. Semple (Appx. L)

Motion - Semple/Conroy: Acceptance of the report.

Carried

The President expressed personal thanks to Mr. Semple for the work of the Social Committee. The choice of luncheon meeting speakers during the year was favorably commented on by D.L. Smith and other members.

Motion - Loschiavo/Osgood: The Society by vote of thanks to Mr. Semple and the Social Committee express their appreciation of the social and luncheon meetings, and the efficient arrangements for the 1975 Annual General Meeting.

Carried

- 5(f) City of Winnipeg Advisory Group on Insect Control - G.L. Ayre (Appx. M)

Motion - Guthrie/Osgood: Acceptance of the report.

Carried

- 5(g) Manitoba Environment Council - W.J. Turnock (Appx. N)

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

Carried

Noting that Dr. Turnock's appointment as the Society's representative to the Environment Council terminates in February, 1976, the President thanked him on behalf of the members for the work he has done on the Council in bringing the need for informed entomological knowledge to its attention.

6. Editorial Board - C.E. Osgood (Appx. O)

Motion - Osgood/Turnock: Acceptance of the report and its referral to the Executive for implementation.

Carried

Action -
Executive

ELECTION OF 1976 EXECUTIVE

7. Nominations Committee - R.N. Sinha (Appx. P)

Percentage of mail ballots returned to committee - =68%
Results:

President-elect	- H.G.Wylie
Secretary	- J.E. Guthrie
Treasurer	- W.L. Askew
Regional Director to E.S.C.	- R.A. Brust

Motion - Sinha/Gerber: Acceptance of the report.

Carried

The President ordered the mail ballot destroyed.

Executive Appointments

7(a) The President announced that the following appointments - extraordinary had been made during the year

with the concurrence of the President-elect and the Executive:

1. Editor - Manitoba Entomologist to succeed Dr. Turnock on completion of Volume No. 8 - H. Westdal
2. Archivist - J. Heron
3. Coordinator - 1977 ESC-ESM Joint Meeting - J. Guthrie

7(b) At the request of the President, J. Guthrie gave a report on the progress-to-date of arrangements for the 1977 Joint Meeting:

1. Chairman - Scientific Committee - J.C. Conroy
2. Chairman - Local Arrangements Committee - R.A. Ellis

An agreement in principle has been entered into with the University of Manitoba to hold the meetings at the university during the period 22-24 August, 1977. Additional date reservations have been made for the ESC Governing Board.

Dr. Conroy presented the tentative scientific program (Appx. Q). The membership was asked to give any comments or suggestions to Dr. Conroy or a member of his committee not later than 30 November, 1975.

7(c) The President advised that the names of nominees for the National Society's awards may be sent directly to the ESC, or given to the ESM Executive. Nominations for Honorary Membership in the ESM should be submitted to the Executive.

NEW BUSINESS

9(a) Regional Director's Allowance

The cost to the Society for the Regional Director's board and lodging while attending meetings of the ESC Governing Board in 1975 was \$162. He attended governing board meetings at Quelfh and at Saskatoon.

Motion - Geher/Bucher: That the Regional Director's allowance for 1976 be \$16.00/day for meals plus the cost of accommodation.

Amendment

Motion - Conroy/Mairn: That the main motion be amended by adding "while attending ESC Governing Board meetings and including travelling time."

Carried

Main Motion as Amended

Carried

9(b) Auditor's Recommendations

The President advised that the members would be requested to approve the Constitution and By-Laws prior to the Society obtaining Letters Patent. Experience gained during one year of operation with the new Constitution and By-Laws would be reflected in the proposed changes. For example: the Auditor has recommended that the Society's fiscal year should be 1 October to 30 September to facilitate closing the

books', and that it investigate different tax registrations. The President also suggested that the Secretary and Treasurer should be Executive, non-voting, appointments to facilitate continuity.

The members were asked to submit any By-Law revisions or amendments, to the Executive not later than 30 January, 1976.

9(c) Merit Award

Professor Robinson briefly described a proposal for a entomology student merit award, outlined in a letter sent to the President, and dated 29 October, 1975.

Motion - Robinson/Sinha: Consideration of an entomology student merit award be referred to the Executive for study and recommendations to the membership.

Carried

Action -
Executive

TRANSFER OF OFFICE

- 10(a) With the exception of Executive appointments - extraordinary (para. 7a), the President discharged all committees appointed during his term of office. The President expressed his thanks for the help and support he has received, and appreciation for the work of Dr. Bodnaryk, chairman of this year's scientific program.

10(b) With expressions of good wishes for the success of his endeavors during his year in office, President Ayre installed L. Nairn as President of the Entomological Society of Manitoba.

11(a) Adjournment

Motion - Conroy/Wylie: That the 31st Annual Meeting of the Entomological Society of Manitoba be adjourned.

Carried

11(b) The 31st Annual Meeting was adjourned by President Nairn at 4:30 P.M., 7 November, 1975.

Secretary

President

Annual Business Meeting
Entomological Society of Manitoba
1330 - 1600 hr, 7 November, 1975

APPENDIX "A"

1. Agenda.
2. Minutes of the 30th Annual Meeting, 8 November, 1974.
3. Business Arising from Minutes.
 - a. 1972 - 1974 Audit.
 - b. Grant to Entomological Society of Canada.
4. Executive Reports.
 - a. President - G.L. Ayre.
 - b. Treasurer - B. Bowden.
 - c. Endowment Fund - R. Brust.
 - d. Editor, Manitoba Entomologist - W.J. Turnock.
 - e. Regional Director, Entomologist Society of Canada
- G. Gerber.
 - f. Letters Patent - J.E. Guthrie.
5. Committee Reports.
 - a. Youth Education - T.D. Galloway.
 - b. Membership - J.R. Palmer.
 - c. Publicity - S.C. Jay.
 - d. Environment - J.C. Conroy.
 - e. Social - R.B. Semple.
 - f. Representative, Insect Control Planning Group,
City of Winnipeg - G.L. Ayre.
 - g. Representative, Manitoba Environmental Council
- W.J. Turnock.
6. Editorial Board - C.E. Osgood.
7. Results of Election for Officers for 1976 - R.N. Sinha.
8. Executive Appointments.
9. New Business.
 - a. Lodging allowance for Regional Director.
 - b. Auditor Recommendations.
 - c. Student Merit Award - A.J. Robinson.

10. Transfer of Office.
11. Adjournment.

APPENDIX "B"

AUDIT REPORT FOR THE PERIODS ENDING
OCTOBER 31, 1973 and OCTOBER 31, 1974

I have examined the records of The Entomological Society of Manitoba for the periods ending October 31, 1973 and October 31, 1974.

My examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence 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 years ending October 31, 1973 and October 31, 1974 and the results of its operations for the years then ended in accordance with generally accepted accounting principles.

John Critchley

NOTE: It would appear that your Society is exempt from taxation under Section 149(1)(1) of The Canadian Income Tax Act, as a non-profit organization, but, under such section the Society would be taxable where its investment income exceeds \$2000.00.

Original passed on to Treasurer 10 November, 1975.

STATEMENT OF RECEIPTS AND DISBURSEMENTS for the
Period Ending

	Oct. 31, 1973	Oct. 31, 1974
INCOME		
Memberships	\$230.00	\$435.00
Subscriptions	979.15	507.22
Page charges	1625.00	1567.00
Reprints	948.00	1207.98
Committee Income	168.16	398.95
Grant re Kits	150.00	
Annual meeting & banquet	192.00	323.00
Advance registration	2.00	
University of Calgary		34.00
Other-cash & unexplained deposit		14.64
Error in Bank deposit addition		1.00
	<u>4294.31</u>	<u>4488.69</u>
DISBURSEMENTS		
Printing costs	\$1720.02	\$893.78
1972 Annual meeting cost	352.14	488.56
Stationary	198.68	99.30
Supplies for insect coll. kits	177.75	339.08
Postage	80.75	39.25
Typing	82.00	236.66
Contrib. to W.C.L.P. mtg.	50.00	
Luncheon meetings	27.47	
Bank charges	14.16	22.41
Subscription adjustments	35.94	
Misc. gifts & donations	28.42	
Safety deposit box	7.50	7.50
Other meetings		249.38
Net operational income	<u>1519.48</u>	<u>2425.92</u>
Add. Investment Income	336.43	700.53
Net Income for the period	<u>\$1855.91</u>	<u>\$2763.30</u>

THE ENTOMOLOGICAL SOCIETY OF MANITOBA
 STATEMENT OF ASSETS AND LIABILITIES AND SURPLUS
 FOR THE PERIODS ENDING OCTOBER 31, 1973
 and OCTOBER 31, 1974

ASSETS	<u>OCT. 31, 1973</u>	<u>OCT. 31 1974</u>
Bank Balance(current acct)	\$3023.52	\$ 730.33
Bank Balance(savings acct.)	430.55	54.04
INVESTMENTS		
Canada Savings Bond	800.00	
G.I. Royal 7.75% #667515	1600.00	1600.00
G.I. Royal 7.75% #760658	1200.00	1200.00
G.I. Royal 6.75% #667510	1000.00	
G.I. Royal 8.875% #844276		2500.00
G.I. Royal 8.875% #853600		1500.00
G.I. Royal 9.125% #854190		1200.00
G.I. Royal 10.875% #B37947		2000.00
PETTY CASH		33.00
	<u>\$8054.07</u>	<u>\$10817.37</u>
LIABILITIES AND SURPLUS		
SURPLUS		
As at October 31, 1973	\$8054.07	\$ 8054.07
add: Profit for the Year ending Oct. 31, 1974		2763.30
Surplus as at October 31, 1974		<u>\$10817.37</u>

APPENDIX "C"

PRESIDENT'S ADDRESS
ENTOMOLOGICAL SOCIETY OF MANITOBA

This annual meeting brings to a close another successful year for our Society. As a relative newcomer to Manitoba and the Society, I cannot draw on personal experience to make comparisons of past and present, but I can assume that a solid core of enthusiastic entomologists has been with the Society since its founding nearly 31 years ago. No society continues to succeed and grow, in fact no society will continue to exist, without support from its membership and I think the general condition of our Society when I took office as President is a tribute to many hard working entomologists who have contributed time and effort over the years.

At the time of mailing notices for this meeting we had 108 members. This is only a small increase over the previous year but is the highest membership in the Society's history. At this point we may experience fluctuations but I question if we can expect any marked increases in membership. We are in the position of having almost all full-time entomologists (student and professional) in the Province in our registry. Of greater importance than absolute members, however, is the general attitude of the membership. The facts in this regard speak for themselves. During the past year 30 individuals have been actively engaged in administering our affairs. This is 35% of our members in Winnipeg, the home base of our Society. This figure includes only the executive and individuals working on committees. In addition many more have willingly contributed time, effort or advice when asked to do so by the executive or other committee members. Our social events, particularly our luncheon meetings, have been well attended with 50 to 60% of our Winnipeg members at all meetings.

Considering that these meetings were always held on a week-day when many may have had previous commitments or work obligations I think this record is excellent. With general support such as this from the membership our Society cannot help but be a vigorous and dynamic organization.

It is human nature, however, that once a challenge is met or a goal attained interest is lost. With our Society seemingly at a peak, the question might be asked, where do we go from here?

During the past few years a number of proposals have been made regarding activities in which the Society might become involved. All were worthwhile causes and certainly would provide ways to keep us active and sustain our interest. But in addition to undertaking expansion type programs I suggest that the internal operation of our Society could be examined in more detail. In many respects our organization has grown like Topsy and a number of the procedures we follow are the result of piecemeal changes made over the years. Two years ago we adopted a new bookkeeping procedure better suited to the sums of money we now handle and the legislation we are governed by. Now, after our first outside audit, it appears that some changes are advisable. Last year we adopted a new constitution and again, after a year of operating within this constitution, it appears that changes are desirable. This year we had a complete review of our editorial policies which has resulted in suggested changes and has also pointed out that our endowment fund may not be adequate to cover complete publication costs of the Manitoba Entomologist. If the endowment fund is made adequate then, as pointed out by our auditor, we may face some taxation problems. On the other hand we have never done any cost accounting so, in fact, we really do not know what is adequate and what is not. These items are mentioned, not as job list for future executives, but only as examples of some of the many internal matters which require attention.

Without looking too far afield our organization can and does present many challenges. On the premise that challenges create interest and sustain enthusiasm we have one of the basic ingredients for a continued healthy and vigorous society. The other ingredient is the membership. The performance of the membership during the past year leaves me with little doubt that the continued success of the Society is assured.

It was an honour to serve as your President during the past year and it was a pleasure to work with so many co-operative individuals. For the progress of the Society during the year I thank those who served on the Executive and in committees. For personal support and enthusiastic response to our activities I thank all members. To the incoming Executive I extend best wishes for a progressive and successful year.

G. L. Ayre
7 November, 1975

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	
# 837947	2,000.00	
# D39882	2,000.00	
Savings account (Royal Trust)	<u>266.59</u>	
	12,266.59	
Total Assets October, 1975		
Investments	12,266.59	
Current account	1,037.73	
Petty cash	<u>18.00</u>	
	13,322.32	\$ 13,322.32
Total Assets October, 1974	10,817.37	<u>10,817.37</u>
Net Income		<u>\$ 2,504.95</u>

B. A. Bowden
Treasurer
October 31, 1975

APPENDIX 'E'

The endowment fund was initiated by the Entomological Society of Manitoba in 1969 for the purpose of generating monies to publish the Manitoba Entomologist. The fund was initially funded by the sale of life memberships (\$100), donations, page charges (\$15/ page) for publication in the Manitoba Entomologist, and 40% of full and student membership dues of the society. Subsequently, interest on investment certificates and the savings account was also reinvested.

All investments consist of 5 year guaranteed interest rate bonds, invested in the Royal Trust Co. at 287 Broadway, Winnipeg. Interest on investments is paid Jan. 1 and July 1. The average interest rate is 8.98%.

<u>Amount</u>	<u>Interest Rate %</u>	<u>Maturity Date</u>	<u>Annual Income</u>
1,600	7.75	Oct. 1977	124.00
1,200	7.75	Oct. 1977	93.00
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	117.50
<hr/>			<hr/>
12,000			1,077.50

Savings account balance Nov. 1975 - \$431.15

The publications committee of the Entomological Society of Manitoba has recently reviewed the costs of publishing the Manitoba Entomologist and the Proceedings of the Ent. Soc. Man. The estimated cost for publishing the Manitoba Entomologist is \$1860; the proceedings \$357. This cost will undoubtedly increase in the future. The original

objective of a \$10,000 investment appears to be insufficient to guarantee continued publication of the Manitoba Entomologist at the present rate of increases in publication costs.

The endowment committee feels that a reappraisal of the original investment objective is in order, and recommend the following:

Recommendation

Because of increased costs of publication, the endowment fund objective should be raised from \$10,000 to \$16,000.

Endowment Fund Trustees

S.R. Loschiavo
V. Hildahl
R. Brust, chairman

APPENDIX 'F'

EDITOR'S REPORT

The editor is responsible for the preparation and publication of the MANITOBA ENTOMOLOGIST and the PROCEEDINGS OF THE ENTOMOLOGICAL SOCIETY OF MANITOBA.

Activities in 1975

A. Manitoba Entomologist: Various problems delayed the publication of Vol. 7 to January 1975. However, Vol. 8 has progressed at a satisfactory rate and will appear in November, 1975. Papers submitted for Vol. 8 were handled

as follows:

Accepted after minor revision	8
Accepted after major revision	5
Returned to author for major revision	1
Rejected (not suitable for journal)	1

In addition, I decided that the text of Miss Alma Criddle's talk on "The Criddles of Aweme" was of sufficient historical interest to warrant its publication as a special feature in Vol. 8.

All submitted papers are sent to at least two persons for review: usually one reviewer with a special knowledge in the field and a second with more general qualifications. Nearly one quarter of our membership has reviewed at least one manuscript, and their contribution has been appreciated by the editor. An attempt was made to include younger scientists and students among the reviewers. Their assessments were sound and, in addition, this approach gives them some training in this important area of science.

The Manitoba Entomologist is distributed as follows:

Members	- 100	Exchanges	- 30
Gifts	- 8	Subscriptions	- 78
Abstracting Journals	- 8	TOTAL	- 223

B. Proceedings of the Entomological Society of Manitoba:
Dr. P.S. Barker supervised the publication of Vol. 30 which included reports of the Society's activities in 1974 plus the revised "Constitution and By-Laws."

My term as Editor is completed with the publication of Vol. 8. During this term, I have received help, support

and encouragement from many members of the Society. I would like to thank all of you for this help and hope that you will give the same generous support to my successor.

Recommendations

1. Support the Manitoba Entomologist by submitting a regular flow of articles to the Editor. Papers submitted in the fall and before 30 January are particularly helpful in speeding the preparation of a volume.
2. The journals of other Regional Entomological Societies commonly include an annual record of insect outbreaks and occurrences. Such an "Insects of the Year" should be an annual feature of our journal.
3. The reprint pricing schedule should be reviewed in light of increased costs.

Respectfully submitted

W.J. Turnock

November, 1975

APPENDIX 'G'

RE: MANITOBA REGIONAL DIRECTOR'S REPORT OF
GOVERNING BOARD MEETINGS, AUGUST 16-18, 1975 and
ANNUAL GENERAL MEETING, AUGUST 18, 1975

The President,
The Entomological Society of Manitoba

The following is a summary of the major actions taken by the Governing Board, Entomological Society of Canada, at Saskatoon, Saskatchewan, on August 16-18, 1975.

A. Business arising from previous minutes:

- (i) The President reported that N.R.C. Publications Grant, totalling \$10,000.00, was received by the Society to cover the costs of publication in the Canadian Entomologist, during the current fiscal year, by individuals eligible to receive N.R.C. grants.
- (ii) The President reported that the Society had submitted the names of several members to N.R.C. to set on N.R.C. Granting Committees. These names were not accepted this year, but there is a reasonable chance that one or more people would be acceptable next year if new submissions are made.
- (iii) The Board decided that the Society would not participate in the Habitat Conference in Vancouver in 1976.

B. New business:

- (i) The Editor of the Canadian Entomologist indicated

that he would like to see a Scientific Notes section in the Canadian Entomologist. This matter was referred to the Publications Committee for consideration.

- (ii) Committee on Insect Colonies reported that a new list of Laboratory Colonies of Insects and other Arthropods in Canada is being assembled, and that when this list is completed a notice will appear in the Bulletin.
- (iii) The Joint Meeting of the Entomological Society of Canada and the Entomological Society of Ontario will be held in Toronto from October 24 to 27, 1976.
- (iv) The Elections Committee reported that the results of the elections are as follows:
 - President-elect: M. Ellen MacGillivray
 - Directors-at-large: J. Lucien Auclair
Susan B. McIver
 - Honorary Membership: Williamson J. Brown
Robert J. Glenn.
- (v) The first Entomological Society of Canada Post-graduate Scholarship will be awarded for the 1976-77 academic year. Applications for this award must be submitted to the Secretary of the Society before December 15, 1975.
- (vi) Bernard J. R. Philogene will become the Editor of the Bulletin in January 1976; he succeeds D. C. Eidt.
- (vii) The Editorial Board of Entomological Society of Canada was dissolved and was replaced by a

Publications Committee. The Editor of the Canadian Entomologist and the Editor of the Bulletin will be members of this committee; these individual were not members of the Editorial Board.

- (viii) The Society urges all entomologists to fill out the Manpower Questionnaire distributed recently. It is felt that the results of this study will be very useful when approaching politicians etc., on problems associated with staffing in Entomology in Canada.
- (ix) The Entomological Society of Canada will assume responsibility for organizing the program for one-half day during the Joint Meeting of the E.S.C. and E.S.M. to be held in Winnipeg in 1977. This will be handled by the Program Committee of the E.S.C., in co-operation with the Program Committee of the E.S.M.
- (x) The annual meeting of the E.S.C. in 1978 will not be held jointly with a Regional Society. The E.S.C. will have an independent meeting that year.
- (xi) The Mid-Winter Meeting of the Governing Board of the E.S.C. will be held in Winnipeg in February or March of 1976.
- (xii) The E.S.C. will pay only the travelling expenses of the Governing Board to Governing Board Meetings in 1976. This means that the Regional Director for Manitoba will not receive money for meals and accommodations from the E.S.C. during Governing Board Meetings.
- (xiii) The E.S.C. will apply for another N.R.C. Publications

Grant for the next fiscal year; there is a possibility that the Society will not get this grant.

The following is a summary of the major actions taken at the Annual General Meeting on August 8, 1975.

- (i) The membership approved the Governing Board's decision to withdraw from the Biological Council of Canada, effective December, 1974.
- (ii) The membership approved the motion not to pay the 1975 fees for membership in the Biological Council of Canada.

George H. Gerber
Regional Director (E.S.M.)

APPENDIX 'G' continued.

RE: MANITOBA REGIONAL DIRECTOR'S REPORT OF BOARD MEETING, FEBRUARY 18-19, 1975.

The President,
The Entomological Society of Manitoba.

The following is a summary of the major actions taken by the Governing Board, Entomological Society of Canada, at Quelph, Ontario, on February 18-19, 1975.

A. Business arising from previous Minutes.

- (i) The Board approved the Executive's decision to

withdraw from the Biological Council of Canada effective December 31, 1974. The Board approved the motion not to pay B.C.C. fees for 1975.

- (ii) President reported that a grant application was sent to N.R.C. for money to cover publication costs in the Canadian Entomologist by university staff.
- (iii) President reported that N.R.C. and Agriculture Canada considered the Canadian Entomologist to be a first rate journal.

II. New Business

- (i) The Editor of the Canadian Entomologist reported that it would make his job easier if the people submitting manuscripts provided the names of the people that had edited the manuscript prior to its submission.
- (ii) The Board approved the proposed new By-Laws of the Entomological Society of Canada. The new By-Laws will allow students to hold office and will give them full voting privileges.
- (iii) The Nominating Committee put forward the following candidates for the forthcoming elections of the Society.

President-elect:	J. A. Downes
	M. E. MacGillivray
Directors-at-large:	J. L. Auclair
	J. E. Guthrie
	A. J. McGinnis

- (iv) The Honorary Membership Committee put forward the following candidates for Honorary Membership:

W. J. Brown
R. J. Glenn

- (v) The Achievement Awards Committee reported that the Entomological Society of Canada's Gold Medal for 1975 will be awarded to Dr. G.G.E. Scudder and the C. G. Hewitt Award for 1975 will be awarded to Dr. R. P. Bodnaryk.
- (vi) The Board instructed the Regional Directors to encourage the Regional Student Encouragement Committees' to support T.I.E.G. and make the newsletter of this organization (Teen International Entomology Newsletter) known to young people in the various regions.
- (vii) The report of the Organizing Committees of the ESC - AES Halifax Meeting, Dalhousie University, August 26-29, 1974, was presented to the Board. The report is brief and will be of limited value to our Committees for 1977.
- (viii) The Regional Director of Saskatchewan reported on the details of the program for the ESC - ESS Meeting to be held in Saskatoon, Aug. 18-22, 1976. They appear to have put together a very good program.
- (ix) The theme of the 1976 ESC - ESU Meeting will be: "Role of Entomologists in Food and Fibre Production for the Future." The meeting probably will be held in Toronto.

(x) The report of the Future Meetings Committee was approved by the board. The major recommendations of the report are:

(a) Most annual meetings of the ESC will be held jointly with one of the affiliated societies as equal partners, on a rotational basis. It is not yet clear as to how much input the Entomological Society of Canada will have into the planning of Joint Annual Meetings. Some time is supposed to be devoted to this topic at the next Board Meeting.

(b) From time to time, the usual joint meeting will be replaced by an independent ESC Annual Meeting without participation by an affiliated society.

(c) In case of Joint Meetings, the Regional Director from the host region will have an important liaison function.

(xi) Science Policy Committee Report and Business

(a) The Entomological Society of Canada has received a \$25,000.00 grant to conduct its Manpower Study.

(b) The Board instructed the committee to draft an outline for the Biological Survey of Insects and to investigate the steps for getting this survey operational.

(c) The Board instructed the Program Committee to investigate the feasibility of organizing special symposia to be held at Annual Meetings or on other occasions. The Regional Director of Manitoba was appointed to this committee.

G.H. Gerber,
Regional Director (E.S.M.)
March 10, 1975
GHG/tr

APPENDIX 'H'

YOUTH ENCOURAGEMENT COMMITTEE REPORT 1974-1975

While 1973-74 was a year of expansion and experimentation for the Youth Encouragement Committee, 1974-75 was a year of concentration and progress. From the previous years, a mailing list of over sixty students had been compiled. With this core of young people, we primarily attempted to develop their interests. Active recruitment to this group was decreased in importance this year. It appeared that those in our group who demonstrated the keenest interest had had an interest in insects previous to their youth encouragement involvement.

The most notable addition to our programme was two field trips to which the young people on our mailing list, their parents and friends, were invited. The first took place at Bird's Hill Provincial Park. More than thirty people arrived at the park for the collecting excursion and picnic lunch. The parents, for the most part, demonstrated a keen interest in the activities of their children. The day ended with a workshop held in the Department of Entomology at the University of Manitoba. Here, the students were given instructions on how to pin, label and display the insects that they had collected during the day. Almost all of the students who had participated in the day's activities attended the workshop.

A second field trip was held in early August at La Barriere Park. Again, about thirty people attended the outing. The varied nature of the park, from the aquatic habitat of the La Salle River, to the oak and poplar stands, provided an excellent opportunity to collect many insects in their different life stages.

The field trips were probably the most important events of our entire programme this year. They not only served to focus the interest of the young enthusiasts on collecting insects, but also provided supervised experience and a valuable bit of background information to develop further on their own.

The committee again took part in the Manitoba Science Symposium held at the University of Winnipeg. Unfortunately, organizations such as ours were stationed at the Museum of Man and Nature, away from the main centre of activity at the university. Our exposure was poor, and a disappointingly low number of people visited the display. Provided with a more suitable location, the Symposium could offer innumerable contacts with students and teachers interested in biology from across the province.

As before, an important part of our activities involved the elementary and secondary schools in the Winnipeg area. Members of our committee and a few helpful society members visited several classrooms to provide instruction in insect collecting, or to discuss related areas of particular interest to the students. We also manned a display and workshop at a meeting of the Manitoba Science Teacher's Association in October.

We offered, at cost, various basic entomological supplies such as insect pins and ethyl acetate. Plastic display boxes were available to the students as well. The construction in the home of equipment such as insect nets and spreading boards was encouraged.

With this enthusiastic group of budding entomologists, the Youth Encouragement Committee appears to have a rewarding future. It is hoped that the next committee may be able to extend and improve upon the programme of the past year.

T. D. Galloway (Chairman)
R. A. Graham
7 November, 1975

W. P. Preston
L. B. Smith

APPENDIX 'I'

ANNUAL REPORT
MEMBERSHIP COMMITTEE
THE ENTOMOLOGICAL SOCIETY OF MANITOBA

During the past year 6 new members have been added to list of members.

On review of the membership list it is easily noted Provincial and Federal agencies are well represented within the Society. It is also easily noted the industry is not taking an active role in this Society. Only 6 members are currently on the membership list who are employed by Agra business. During 1975 the membership committee tried to encourage more representatives of industry to become active within the Society without a major response. However, as these people could make a contribution to this Society in future years, this program should be continued for next season as any major amount of new members must come from this sector.

November 7/75

J. R. Palmer
Chairman Membership Committee

APPENDIX 'J'

PUBLICITY CHAIRMAN'S REPORT

When material and important items of interest to the members of the Entomological Society of Manitoba were available, newsletters (two in total) were printed during 1975.

I believe the newsletter should be continued as a medium for exchange and dissemination of entomological knowledge among our members.

S. C. Jay

APPENDIX 'K'

REPORT OF THE ENVIRONMENT COMMITTEE

The object of this Committee was to act for the Entomological Society of Manitoba on public issues where the practice of Entomology affected the environment. The Society has a member on the Manitoba Environment Council (Dr. W. J. Turnock). This means that we have a direct pipeline to this Council, as well as to the Clean Environment Commission. The need for our Environment Committee must now be questioned as its only role would appear to be of liaison between our representatives. I have nothing to report for the past year as the Committee did nothing. I would therefore recommend that the Environment Committee of the Entomological Society of Manitoba be disbanded and that it only be reconstituted if, and when, the need arises for an examination of a specific problem.

Respectfully submitted by:

J. C. CONROY,
Chairman.

APPENDIX 'L'

ANNUAL REPORT OF THE SOCIAL COMMITTEE

Planning for 1975 was for three functions in addition to the periodic luncheons. The "New Members" social was attended by 49 people, far short of the 70 persons who indicated attendance, but were deterred by an untimely storm. The curling bonspiel was cancelled and the golf tournament was poorly attended.

The five luncheons throughout the year were well attended with an average of 43 members turning out to hear guest speakers presenting a wide range of interesting current topics.

The total costs of the Social Committee's activities, which included guest speakers luncheons, gratuities, and expenses at the new members social, was approximately \$159.00. This was within the budget approved by the executive for the Social Committee at the beginning of this term.

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

R. Semple, Chairman Social Committee
R. Bilodeau
G. Hamilton
27 October 1975

APPENDIX 'M'

ANNUAL REPORT
INSECT CONTROL PLANNING GROUP
CITY OF WINNIPEG

The Insect Control Planning Group, City of Winnipeg, met three times during our year of 1 November, 1974 to 30 October, 1975.

The first meeting, held 25 November, 1974, was primarily a review of the activities in 1974 together with discussion on the meaning of the results in relation to the program for 1975. Changes in the Clean Environment Act

were discussed, reports on general field operations and research programs were given, public relations activities were reported and the procedures used to protect the health and safety of those handling chemicals were presented.

The second meeting, 19 March, 1975, was mainly concerned with a review of the City's proposed application to the Clean Environment Commission for permission to spray boulevard trees for insect pests. In the discussion which followed the presentation by the City Entomologist, Dr. R. Ellis, it was agreed by the Planning Group members that nearly all aspects of the proposed spray program had been covered in the application.

At the third meeting, 25 June, 1975, Mr. V. Hildahl represented the Society. Matters for discussion at this meeting included new Clean Environment Commission orders, the cankerworm and forest tent caterpillar surveys and research, mosquito research and new insecticides.

Copies of the minutes of these meetings plus copies of the news releases, City of Winnipeg, are on file with the Executive and are available to any member wishing more detail.

G. L. Ayre, Representative
31 October, 1975

APPENDIX 'N'

MANITOBA ENVIRONMENTAL COUNCIL REPRESENTATIVE

The representative of the E.S.M. to the Manitoba Environmental Council was appointed to a 2-year term beginning 18 February, 1974, and terminating 18 February, 1976.

In January, 1975, I agreed to act as Chairman of the Pesticide Use Subcommittee of the Council. This subcommittee met twice to consider applications to the Clean Environment Commission for control of mosquitoes and tree defoliators. Guidelines for assessing the effectiveness and environmental hazards of the proposed control operations were prepared and comments on each proposal were submitted to the Clean Environment Commission. Briefs were presented at public hearings, called by the Commission on applications for control of defoliators by the City of Winnipeg on 21 April, by the Town of Selkirk on 22 April and by the Province of Manitoba (Parks Branch) on 22 April, 1975.

Following the Annual Meeting of the Council on 14 May, 1975, the subcommittee was reconstituted as the Environmental Chemicals Committee. I agreed to act as Chairman. The committee met to consider the application of the City of Winnipeg proposal to control mosquitoes by fogging and presented a brief to the Public Hearings, beginning 23 July, 1975, called by the Commission.

As chairman of these committees, I have been able to have experts on insect damage and control give technical information to Council members concerned about environmental damage. Since the Manitoba Department of Mines, Resources and Environmental Management lacks the expertise necessary to advise the Clean Environment Commission, our briefs have tended to fill this gap, and are welcomed by the Commission.

In addition to preparing criteria for judging applications for pesticide use, we prepared a resolution, passed by the Annual Meeting of the Council on 14 May, 1975, asking the Minister of Mines, Resources and Environmental Management to:

- 1) direct the Environmental Management Division to assign a qualified entomologist to assist local governments to plan and implement mosquito abatement programs and to monitor such programs to ensure effectiveness and compliance with Clean Environment Commission orders.
- 2) ensure that a periodic training program in mosquito abatement for government personnel and others responsible for mosquito abatement programs be conducted by a Manitoba University.
- 3) direct the Environmental Management Division to publish a brochure as a guide to mosquito abatement programs in Manitoba, with consideration being given to the manuscript prepared by Professor R. Brust.

The following material is available for interested members:

1. Annual Reports of the Manitoba Environmental Council, 1973-74, 1974-75;
2. Briefs submitted to the Clean Environment Commission regarding application for control of mosquitoes and tree defoliators;
3. Verbatim Records of the Clean Environment Commission hearings re applications for control of mosquitoes and tree defoliators;

4. Resolution to the Minister of Mines, Resources and Environmental Management and accompanying document titles "Guide to Mosquito Abatement Programs in Manitoba."

Recommendations

1. That the E.S.M. continue to have a representative on the Manitoba Environmental Council. This requires a request to the Minister of Mines, Resources and Environmental Management before 18 February, 1976.
2. That the proposals included in the M.E.C. Resolution, and particularly that item dealing with the assignment of a qualified entomologist to the Environmental Management Division, be examined by the Environmental Committee of the E.S.M. and consideration be given to supporting action.

Respectfully submitted,

W. J. Turnock
November, 1975

ca

APPENDIX 'D'

ANNUAL REPORT OF THE EDITORIAL BOARD

At the request of the Executive, the Editorial Board reviewed the editorial policy of the Manitoba Entomologist and the Proceeding. Several changes, mostly of a minor nature, were recommended for the "Notices to Contributors" published in the back flyleaf of the Manitoba Entomologist which we hope will be of benefit to authors preparing manuscripts for publication in the journal. Other items that were considered concerning the Manitoba Entomologist included, priority rights for publication, types of material acceptable, page changes, and receipt of manuscript and publication timing.

Recommendations were made as to the nature and format of the Proceedings. Suggestions concerning the types and sequence of items appearing in the Proceedings were made. Standardization of procedures for preparing committee reports for publication were outlined in order to reduce publication costs.

The Board also obtained estimates on the cost of publishing the Manitoba Entomologist and the Proceedings in the event that our present printing arrangements are terminated.

The minutes of our meetings as well as the details of our recommendations and findings are on file with the Executive and are available to members interested in more detail. Any additional comments or suggestions concerning these matters should be addressed to the Executive.

The Board wishes to thank the editors and associate editor for their helpful suggestions and comments on our proposals.

C. Osgood, Chairman
D. Smith

G. Bucher
F. Watters G. Webster

APPENDIX 'P'

Mr. G. Ayre
President
Entomological Society of Manitoba
WINNIPEG, Manitoba

Dear Gordon:

As a result of the counting of mail ballots of 1975 Annual Election of the Executive, I declare the following persons elected. Please note from the attached letter that Dr. G. H. Gerber withdrew his name as a candidate for the position of the Regional Director, Entomological Society of Canada.

President-elect	- Dr. H. G. Wylie
Secretary	- Dr. J. E. Guthrie
Treasurer	- Mr. W. L. Askew
Regional Director, E.S.C.	- Dr. R. A. Brust

I request you to destroy the ballots and disband the Nominating Committee.

Yours sincerely,

R. N. Sinha
Convenor
Nominating Committee

16 September, 1975

Enclosure

APPENDIX 'Q'

27TH ANNUAL MEETING OF ENTOMOLOGICAL SOCIETY OF CANADA
33RD ANNUAL MEETING OF ENTOMOLOGICAL SOCIETY OF MANITOBA
Joint Meeting (August 22-24, 1977)

Proposed Scientific Programme

Theme: "Insect Damage Assessment"

August 22: A.M. a) Opening
b) Gold Medal Address
c) Miss A. Criddle - "The Criddles of Aweme"
d) Introductory Speaker on "Entomological
Information needed by Regulatory Bodies"

P.M. Submitted Papers

August 23: A.M. Symposium I: "Damage Assessment in the
Agro-ecosystem"

Possible topics:

- a) Assessing losses in field crops
- b) Assessing losses in stored grains
- c) Assessing losses in livestock
- d) Assessing effects of non-target organisms
- e) The use of plant models in damage
assessment research
- f) Dynamic models as aids to control
operations.

P.M. Luncheon (Hewitt award and address).

P.M. Coffee

Annual General Meeting, Entomological
Society of Canada. (Evening - Banquet, etc.)

August 24: A.M. Symposium II: "Damage Assessment in Non-Agricultureal Ecosystems"
(organized by the Entomological Society of Canada)

Possible topics:

- a) Assessing losses to humans, gardens and trees in urban areas
- b) Assessing damage to shade trees and shelter belts in agricultural areas
- c) Assessing damage to non-urban recreational areas
- d) Assessing effects on non-target organisms
- e) Use of economic models to assess losses to aesthetic and nuisance values

P.M. Submitted Papers.