

R. Brauer

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MANITOBA

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of
MANITOBA

Volume 30
1974

Associate Editor: P. S. Barker

ENTOMOLOGICAL SOCIETY OF MANITOBA

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

ON THE REJUVENATION OF A SCIENTIST'S RESEARCH

It is a peculiarity of some scientists to assume that the research they do is either at the forefront of science or that at least it is a great improvement over what came before their own work. An impartial observer of the situation might comment that the fundamental understanding and solution of some problems was obtained half a century ago but some of our people seem to be doing what amounts to the same thing over again ("me too" research).

What is needed is a conscious strategy for the rejuvenation of a scientist's research. The strategy used in some countries is to send some of their research people to foreign laboratories for short periods of time to learn new techniques and get a chance to grasp new ideas. This approach does not resolve the problem of research people in leading laboratories; when they go elsewhere they may find their own ideas played back to them.

In fact, laboratories and scientists must have a strategy of rejuvenation from within. Two tactics come to mind for the solution of this problem: one is the provision

of equipment with new and unexpected capabilities; the other is the provision for contact with other people through literature, meetings with other researchers and, more importantly, contact with people in business and industry.

We might add a third tactic to our list if we suspect that a good deal of the rejuvenation of a scientist's research may emanate from a strategy of the study of topics and equipment far removed from everyday routine - not to be confused with interdisciplinary work. —

The concept of new and improved equipment is not new. Some scientists spend much of their time fighting for new equipment and quite often they get the new machinery long, long after the reason to acquire it has been forgotten and after the scientist has vented his frustration and wasted months, if not years, on a far more humdrum and unimaginative task. The fact is that equipment with unexpected capabilities often stimulates thought for the use of these capabilities with the consequent widening of the scientist's literature search and personal contacts. For example: a man needs a calculator to do his sums and he gets a machine which also has memory banks and the capacity to cope with various mathematical functions; the man may no longer be content with simple grocery type arithmetic, but may be tempted into a greater use of his machine.

The requirement for the tactic of contact with new ideas through literature surveys, attendance at meetings

and close contact with industry is usually stressed at various stages throughout a scientist's career. The principal comment we can make here is that the scientist often forms habits in the quest for information; only certain journals will be read and ideas will be exchanged regularly with a limited number of people.

The tactic of the deliberate study of disciplines that are quite different to those used in everyday routines offers the chance that unfamiliar literature may be examined, that we may become acquainted with a different crowd of research people, and we might even have the opportunity to explore the uses of new and strange equipment. Best of all, however, is the possibility that we might examine our own activities from a new point of view, that we might look at old data with new eyes, and our conclusions might differ from what they would otherwise have been. Furthermore, we will have a conscious strategy for the rejuvenation of our own research.

P. S. Barker

MINUTES OF THE
30th. ANNUAL MEETING
ENTOMOLOGICAL SOCIETY OF MANITOBA
1:30 P.M., 8 NOVEMBER, 1974
RAMADA INN, WINNIPEG

Present

R. N. Sinha, President; V. Hildahl, Past President; G. L. Ayre,
President-elect and Treasurer; J. E. Guthrie, Secretary;
W. J. Turnock, Editor - The Manitoba Entomologist; and

R.J. Bilodeau	J. McCullough
P. S. Barker	L. Nairn
B.A. Bowden	A.G. Robinson
G.E. Bucher	J.B. Preston
J.C. Conroy	R. Semple
B. Farmery	D.L. Smith
T. Galloway	L.B. Smith
G.H. Gerber	D.H. Thibault
R.J. Heron	J.L. Watters
S.C. Jay	H. Westdal
A.J. Kolach	H.G. Wylie
S.R. Loschiavo	

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

Agenda

Motion - J.E. Guthrie/J.C. Conroy: Adoption of the Agenda
(Appx. A) as submitted.

Carried

Minutes

1. Motion - J.E. Guthrie/G.H. Gerber: Adoption of the minutes of the 29th Annual Meeting held 2 November, 1973, as read.

Carried

BUSINESS ARISING FROM THE MINUTES

2(a) Endowment Fund

The President reported that the Executive recommended that the Endowment Fund objective remain at \$10,000. until specific proposals for special projects such as a scholarship fund, as provided for in the Articles of the Endowment Fund, are submitted to the membership for their consideration and action.

In the ensuing discussion it was recognized that it might be desirable to increase the Fund's objective to \$15,000. to ensure that the primary objective of the Fund, publication of The Manitoba Entomologist by the Society, can be undertaken when necessary.

2(b) Achievement Award

The Executive had no recommendation for a nominee for the ESC Achievement Award in 1975.

2(c) Public Relations

The President noted that this item would be dealt with in the reports of the Publicity Committee and the Youth Education Committee.

EXECUTIVE REPORTS

3(a) Treasurer's Report (Appx. B)

The Treasurer commented on the double-entry bookkeeping system which had been adopted, the increase in the petty cash fund to \$25.00, and on the Dr. Flatman Bequest.

Motion - G.L. Ayre/S.R. Loschiavo: Acceptance of the Treasurer's report subject to audit.

Carried

3(b) Endowment Fund (Appx. C)

Motion - J.E. Guthrie/J.C. Conroy: The report as circulated be received as information.

Carried

3(c) The Manitoba Entomologist (Appx. D)

The Editor gave a verbal report, which will also be published in the Society's Proceedings.

Motion - W.J. Turnock/P. Barker: The verbal report be received as information.

Carried

3(d) Regional Director to ESC (Appx. E)

Motion - J.E. Guthrie/W.J. Turnock: The report as circulated be received for information, and action by the membership.

Carried

Motion - J.E. Guthrie/W.J. Turnock: That the Entomological Society of Manitoba contribute the sum of \$100. to the Entomological Society of Canada 'Manpower Survey'.

Carried

Motion - W.J. Turnock/J.C. Conroy: Because the Regional Director to the Entomological Society of Canada is our spokesman to that society, therefore, the ESM shall support the Regional Director financially to the extent of not more than \$30.00 per day for board and lodging while he is attending meetings of the Governing Board of the ESC held during 1975.

Carried

The meeting adjourned at 2:30 P.M. for coffee and re-convened at 2:40 P.M.

REPORTS OF COMMITTEES

4(a) Youth Education (Appx. F)

Motion - T. Galloway/G.H. Gerber: The report as circulated be received for information.

Carried

The Secretary noted that this report had already appeared in the Bulletin of the ESC. The chairman, T. Galloway, was congratulated by the members.

4(b) Membership (Appx. G)

Motion - J.E. Guthrie/T. Galloway: The report as circulated be received for information.

Carried

4(c) Publicity (Appx. H)

Motion - H.G. Wylie/J.C. Conroy: The report as circulated be received as information.

Carried

4(d) Environment (Appx. I)

Motion - J.E. Guthrie/S.R. Loschiavo: The report as circulated be received as information.

Carried

4(e) Social (Appx. J)

Motion - R.J. Bilodeau/G.E. Bucher: The report as circulated be received as information.

Carried

4(f) Representative to City of Winnipeg Advisory Group on Control (Appx. K)

Motion - J.E. Guthrie/T. Galloway: Receipt of the report as circulated as information.

Carried

4(g) Manitoba Environmental Council Representative (Appx. L)

Motion - W.J. Turnock/H.G. Wylie: The report as circulated be received as information.

Carried

The President-elect noted that this appointment is made by the Provincial Minister of the Environment on recommendation of the Society, and it is for two years. Therefore, Dr. Turnock will continue as the Society's representative in 1975.

5. President's Report (Appx. M)

The President's report, delivered at the opening session of the scientific program, was thought provoking and well received.

Motion - J.E. Guthrie/G.E. Bucher: That the President's Report be accepted.

Carried

Dr. Sinha and his Executive were applauded for their efforts by the members led by Dr. Gerber.

ELECTION OF OFFICERS

- 6(a) The President announced the result of the mid-term ballot for President-elect to fill the vacancy created by the resignation of T.V. Cole. G.L. Ayre was the successful candidate.
- 6(b) There being no objections, the President instructed the Secretary to destroy the ballots for the mid-term election of a President-elect.
- 6(c) At the request of the President, the chairman of the Nominations Committee (V. Hildahl, R.A. Brust and D.L. Smith), Past-President Hildahl submitted the following slate of candidates for the 1974-

1975 term of office:

President-elect - L. Nairn
Secretary - J. E. Guthrie
Treasurer - B. A. Bowden

6(d) Nominations from the floor were called for.

Motion - A.G. Robinson/D.L. Smith: That nominations
cease.

Carried

6(e) There being no nominations from the floor, the slate
of nominees were declared elected. The duly elected
officers of the Society which shall constitute the
1974-1975 Executive, are:

President - G. L. Ayre
Past President - R. N. Sinha
President-elect - L. Nairn
Secretary - J. E. Guthrie
Treasurer - B. A. Bowden

6(f) The election or appointment of a Regional Director
to the National Society was discussed, the present
incumbant Dr. Sinha having tendered his resignation.

Motion - J.E. Guthrie/J.C. Conroy: The incoming
(1974-75) Executive be authorized to appoint a
Regional Director who shall serve pro-tempore until
a Regional Director is duly elected by the voting
members of the Society.

Carried

CONSTITUTION AND BY-LAWS

7(a) The President described the purpose of the Constitution and By-Laws revision committee (Guthrie, Loschiavo, Robinson and Turnock) which he had established. The Secretary then brought to the attention of the meeting errors and omissions in the draft Constitution and By-Laws which had been mailed to the membership for study, and accompanied with a Notice of Motion dated 6 September, 1974. Dr. L.B. Smith was particularly helpful in correcting errors etc., in the draft-copy.

Motion - A.G. Robinson/S.R. Loschiavo: That the Constitution and By-Laws circulated to the membership by notice of motion dated 6 September, 1974 and as corrected at this meeting, be adopted as the Constitution and By-Laws of the Entomological Society of Manitoba, and all constitutions and by-laws including amendments thereto, proclaimed prior to 8 November, 1974, be rescinded.

Carried Unanimously

NEW BUSINESS

8(a) Auditors:

Motion - V. Hildahl/J.C. Conroy: The incoming Executive be authorized to obtain the services of a qualified auditor to audit the Society's books of account for the years 1973, and 1974.

Carried

8(b) Life Membership Fee:

Motion - L.B. Smith/S.R. Loschiavo: A fee of \$100. shall be charged for Life Membership in the Entomological Society of Manitoba.

Carried

8(c) Attendance of Non-members at Meetings:

It was agreed that at all meetings of the Society, non-members and accredited members of the news media be advised that a press meeting will be held at the conclusion of the session. The Executive are to propose recommendations which will prevent a repetition of the 'annoyance' which occurred during the scientific sessions of the 30th Annual Meeting, at a general meeting.

- 8(d) The President thanked the members of the Executive and the various committees for their work during his term of office. He accorded a special thanks to the Scientific Program chairman - Dr. J.C. Conroy, in which the members heartily concurred. The President then discharged the committees appointed during his term of office.

TRANSFER OF OFFICE

9. With expressions of good wishes for all his endeavors, President Sinha installed G.L. Ayre as President of the Entomological Society of Manitoba for the term 1974 to 1975. Accepting the gavel, President Ayre thanked the members for their confidence and support and indicated that a motion for adjournment was not likely to be ruled 'out-of-order'.
10. There being no further business:
Motion - L.B. Smith/V. Hildahl: That the 30th Annual Meeting of the Entomological Society of Manitoba be adjourned.

Carried

11. The 30th Annual Meeting was adjourned by the President, G. L. Ayre, at 4:20 P.M., 8 November, 1974.

Secretary

President

APPENDIX 'A'

Minutes of 30th Annual Meeting
ENTOMOLOGICAL SOCIETY OF MANITOBA
Ramada Inn, Winnipeg
1330 - 1700 Hr., 8 November, 1974

AGENDA

1. Minutes of the 29th Annual Meeting, 2 November, 1973.
2. Business Arising from Minutes.
3. Executive Reports:
 - a) Treasurer - G. Ayre
 - b) Endowment Fund - R. Brust
 - c) Editor, Manitoba Entomologist - W. Turnock
 - d) Regional Director, Entomologist for Canada - R. Sinha
J. Guthrie, W. Turnock
4. Reports of Committees:
 - a) Youth Education - T. D. Galloway
 - b) Membership - S. L. Leonard
 - c) Publicity - G. Wylie
 - d) Environment - G. Findley
 - e) Social - R. J. Bilodeau
 - f) Representative, Insect Controlling Planning Group,
City of Winnipeg - R. N. Sinha
 - g) Representative, Manitoba Environmental Council -
W. J. Turnock

5. President's Report - R. N. Sinha
6. Election of Officers
7. Constitution and By-Laws
8. New Business
9. Transfer of Office
10. Adjournment

APPENDIX 'B'

Minutes of 30th Annual Meeting
ENTOMOLOGICAL SOCIETY OF MANITOBA
Ramada Inn, Winnipeg
1330 - 1700 Hr., 8 November, 1974

Financial Statement - Nov., 1973 - 31 Oct., 1974

Income

Bank Balance, 1 Nov. 73 - Current	\$3,036.43
- Savings	419.94
Membership fees	435.00
Manitoba Entomologist - Subscriptions	507.52
- Page charges	1,567.00
- Reprint sales	1,207.98
Committee incomes	398.85
Investment income - Bonds	77.04
- G.I.R.	565.42
- Savings Interest	30.41
Investments sold	1,800.00
1973 Ent. Soc. Man. Ann. meeting	323.00
Unknown (University of Calgary)	<u>34.00</u>

\$10,402.59

Expenditures

Bank Balance 31 Oct. 74 - Current	743.37
- Savings	15.77
Petty cash	25.00
Printing costs (Proceedings, reprints)	893.78
1973 Annual meeting	488.56
Other meetings	249.38
Stationery	99.30
Committee expenses	339.08
Postage	89.28
Typing	236.66
Bank charges	22.41
Investments bought	<u>7,200.00</u>

\$10,402.59

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	
Savings account (Royal Trust)	<u>15.77</u>	
	10,015.77	
 Total Assets October 1974		
Investments	10,015.77	
Current account	743.37	
Petty cash	<u>25.00</u>	
	10,784.14	<u>\$10,784.14</u>
 Total Assets October 1973	<u>8,056.37</u>	<u>8,056.37</u>
 Net Income		<u>\$ 2,727.77</u>

G. L. Ayre
Treasurer
October 31, 1974

APPENDIX 'C'

Minutes of 30th Annual Meeting
ENTOMOLOGICAL SOCIETY OF MANITOBA
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ENDOWMENT FUND

Investments consist of 5 year guaranteed interest rate bonds, held by the Royal Trust Co., at 287 Broadway, Winnipeg. Interest on investments is paid 15 June and 15 of December. On October 22, 1974, we reached our objective of \$10,000. The average interest rate is 9%. Details of the bonds are given below.

<u>Amount</u>	<u>Interest rate %</u>	<u>Maturity Date</u>	<u>Annual Income</u>
1600	7.75	Oct. '77	124.00
1200	7.75	Oct. '77	93.00
2500	8.875	Nov. '78	221.875
1500	8.875	Jan. '79	133.125
1200	9.125	Apr. '79	110.50
2000	10.875	Oct. '79	<u>217.50</u>
			<u>\$900.00</u>

Endowment Fund Trustees:

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

APPENDIX 'D'

Minutes of 30th Annual Meeting
ENTOMOLOGICAL SOCIETY OF MANITOBA
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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.

During 1974, the following activities occurred:

A.- Manitoba Entomologist - one book review and thirteen papers were submitted for publication. Following review, the submitted papers were handled as follows:

ten papers were accepted with minor revisions,
two papers were returned to the authors for major revision,
one paper was rejected.

The Manitoba Entomologist is distributed in approximately the following numbers:

one hundred to members
thirty for exchange
thirteen as gifts to the Manitoba Government and abstracting journals
eighty-two subscriptions

B.- Proceedings of the Entomological Society of Manitoba.
Dr. P.S. Barker supervised the preparation of volume
29 which included reports for 1973.

I would like to recognize the help received from Dr.
P. S. Barker, members of the Editorial Board, and those who
did such an excellent job of reviewing papers submitted for
publication to the Manitoba Entomologist.

Respectfully submitted,

W. J. Turnock.

APPENDIX 'E'

Minutes of 30th Annual Meeting
ENTOMOLOGICAL SOCIETY OF MANITOBA
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Report of the Regional Director to The
Entomological Society of Manitoba

Formal relations between our Society and the Entomological Society of Canada have been strengthened during 1973-74, with more than one member of our Society involved in maintaining this link. Dr. C. Jay, who was formally appointed as the Regional Director, could not perform his duties because of his prolonged absence from the country. Dr. W. J. Turnock represented the Society in the first meeting of the ESC Governing Board at McDonald College, Quebec in February, 1974. Dr. Turnock gave a comprehensive report of the meeting which was approved by the ESM Executive. To regularize the position of Regional Director, I, as a president of the Society, undertook the responsibilities of this position for an interim period until the Annual General Meeting in November, 1974. Dr. J. Guthrie, Secretary of the Society, represented me at the Annual Meeting of the Governing Board of the ESC in Halifax, N. S. in August, 1974. He worked closely with Dr. W. J. Turnock who is also a Director-at-large of the ESC.

A report of the highlights of this meeting prepared jointly by Drs. Guthrie and Turnock is attached.

I have tentatively supported the ESC-sponsored Entomologists' Manpower inventory study proposal and have given an initial favorable reaction to the ESC proposal of holding autonomous Annual Meetings by the National Society every five years. Formal approval for these proposals will be given by the new Executive. I have resigned from the Regional Directorship and asked the Nomination Committee to nominate a new Regional Director. This position will be an important one in the future. Our Society's interest will be best served if this position is held by the president. I thank Drs. Turnock and Guthrie for very ably representing our Society at the ESC Governing Board Meetings.

R. N. Sinha,
Regional Director.

Enclosure

ENTOMOLOGICAL SOCIETY OF CANADA

Manitoba Regional Director's Report

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, held prior to the Annual Meeting in Halifax, Nova Scotia, in 1974.

1. The President's report covered a wide range of actions taken by the ESC Executive since February, 1974. This report will be published in a future issue of the ESC Bulletin.
2. Effective 1 January, 1975, Dr. N. Church shall be the secretary of ESC and Dr. P. E. Morrison will assume the duties of Editor, Canadian Entomologist.
3. The Report of the Finance Committee showed that a dramatic rise in costs has occurred (e.g. the printer's cost for the Canadian Entomologist has doubled) and predicted a deficit unless income was raised and expenditures reduced.
4. The Board agreed that during 1975, only travel expenses and not board and lodging will be paid to Directors and Executive attending Board Meetings. Some Regional Directors indicated that they would ask their regional society to pay the board and lodging.

5. That an increase of \$2.00 in the membership fee, and page charge of \$47.00 for papers published in the Canadian Entomologist, were recommended to the membership at the annual meeting. (Both recommendations were subsequently adopted).
6. The ceiling price for purchase of an office building (ESC Headquarters) was raised to \$150,000. This purchase was approved as a means of protecting the Societies reserve against inflation.
7. As an economy measure, the ESC membership list and the list of insect colonies, will only be supplied to members on request.
8. Financial assistance from NRC be requested to assist defray page charges to university staff members publishing in the Canadian Entomologist.
9. The current membership of the ESC stands at 840.
10. The Governing Board endorsed the proposal that the ESC carry out an Entomological Manpower Study.
11. Dr. H. MacGillvary, Acadian Entomological Society, proposed that the regional societies be invited to make financial contributions to Manpower Study.

12. The ESM will host the Annual Meeting of 1977. The report of the Annual Meeting Committee of the ES Alberta is very comprehensive and is available for use by our incoming Committee for the 1977 meeting. The ESM President should move to establish this committee as soon as possible.
13. Regional Societies were urged to stimulate nominations for the Gold Medal and Hewitt award before 30 November, 1974.
14. An Ad Hoc Committee was approved to promote the Biological Survey of Insects in Canada.

J. E. Guthrie, W. J. Turnock
for Regional Director.

APPENDIX 'F'

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YOUTH ENCOURAGEMENT COMMITTEE REPORT 1973-74

T. D. Galloway (Chairman)
W. B. Preston
R. Semple
L. B. Smith
B. W. Taylor

In the early stages of our 1973-74 term, it was unanimously decided that our primary goal should be set in building upon progress made by previous encouragement committee activities.

Dr. L.B. Smith, past chairman of the committee, had documented the names of those students who had purchased insect collecting kits in 1972-73. Through the mail, these students were informed of a gathering to be held on February 23, 1974 at The Museum of Man and Nature with hopes of nurturing their interests in entomology. Each student was encouraged to bring an interested friend or parent to the meeting as well.

The afternoon of the meeting found the committee before an enthusiastic group of 50+ people. Terry Galloway discussed briefly where insects are to be found, and the types of areas commonly producing unusual or numerous specimens. Bruce Taylor followed with an active demonstration of how to collect

insects and the equipment used. Bruce's commentary also included the construction of some of the collecting apparatus. Bob Semple followed with a talk on what to do with the specimens once they had been collected, i.e. pinning and labelling techniques. Bill Preston's outline of the insect world was followed by Laurie Smith's discussion with the students on what they had done and collected the previous summer. It was very clear that many of these young people had put their collecting kits to good use as evidenced by the collections brought by some.

After a break for soft drinks and donuts, the colourful Ross slide-type completed the afternoon. The presentation was rather lengthy. Some editing of slides and an in-person lecture rather than a tape would certainly have been more effective and more interesting for many of the younger students. Following the slides, some students remained behind and learned a bit more on collecting, i. e. pinning insects, and were offered helpful criticism on improving their techniques based on the collections they had brought with them.

Such a meeting as this is an excellent way to develop a student's interest and to initiate interest in others. We had only one such meeting over our term, however. It is suggested that in future such meetings be set up on a regular basis to provide continuing stimulation for the students. A

field trip had been planned but never came into being with everyone's personal projects always seeming to postpone the outing until the summer was gone. Field trips must be planned well in advance, i.e. before the beginning of the New Year, along with dates for further meetings including proposed agenda.

The committee decided, because of the interest shown the previous summer, that collecting kits should be once again made and sold. Fifty boxes were purchased from the University of Alberta. Rising costs brought the price of the entire collection to \$5.00. The kits have not been completed primarily because of low demand. We promoted the cause with which many of the things used for pinning insects could be made rather than the kits, resulting in few sales. It is suggested that complete kits no longer be sold. The pamphlets can be duplicated at a low cost and may be given to interested students. Boxes may be sold separately at the cost price of \$2.75. Insect pins are now being stocked at the counter in The Museum of Man and Nature and at the University of Manitoba Co-op Bookstore by our request.

In early May, the committee took part in the Manitoba School Science Symposium held at the University of Winnipeg. The two day event presented the opportunity of meeting students from all areas of the province. A wide variety of collecting

apparatus was on display, including light traps, pit fill traps, pins, killing jars, spreading boards, etc. The live insect displays, including a frame of bees, an ant colony, grasshoppers, mosquitoes, stored product insects and moths, attracted the greatest attention. Several trays of native Manitoba and exotic insects were provided by Bill Preston from The Museum of Man and Nature collection. Two films on honey bees and bee behaviour served as an added attraction. Many interested students and teachers were contacted over the two days and such a demonstration should be provided again in 1975 should the invitation to do so be provided.

At the closing of the Science Symposium display, the equipment was transported to the Polo Park Shopping Mall where the Entomological Society of Manitoba participated with The Museum of Man and Nature in setting up an Insects in Manitoba display. Numerous additions were made including an effective backdrop, a slide-type talk on mosquito biology, and numerous entomological reference books. Over the five days of the display, the tables were rarely without curious and interested observers. From the number and type of questions that were asked, and from the nature of the discussions that followed, it was evident that most people are interested in insects and are eager to learn more about them.

Most of the committee's energies were directed towards the promotion of the Winnipeg Centennial Insect Collecting Contest. Collections were specified to consist of 100 insects collected in Manitoba during 1974. Although judged on organization, pinning and labelling techniques, and accuracy of identification, the primary aim was to get the young people out into the field where they could learn from their observations. Reference books were suggested with hopes of furthering their interests. Although a Winnipeg Centennial Project, entries were encouraged from all over the province.

The initial response was most encouraging, with a total of 56 entries. The members of the committee spent a great deal of time through April, May and June giving lectures in several Winnipeg schools on insect biology and collecting. A disappointing return of only 6 collections rewarded our efforts. It appears that the students need encouragement throughout the summer, when they are often left on their own. In the future, it is recommended that collecting trips or correspondence provide the needed encouragement. Also, a reduction in the number of specimens required from the younger students would likely result in better results. It is the sincere hope of the committee that such a program be initiated for the 1974-75 term of the Youth Encouragement Committee.

A complete set of expenditures and credits has already been submitted to the Treasurer, G. L. Ayre.

Terry Galloway

APPENDIX 'G'

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YEAR END REPORT OF THE MEMBERSHIP COMMITTEE 1973-1974
Chairperson: S. L. Leonhard

The Membership Committee defined as its program for the 1973-74 term:

- to increase the membership to 100 in keeping with the Winnipeg 100 - centennial celebrations
- to revise the membership application form
- to provide membership input to the Executive Committee
- through polling of membership opinion, to present the Executive Committee with an emblem which would be engraved on a rubber stamp to imprint Society correspondence and membership cards

We are happy to report the roster has reached the 100 member goal from the 59 full, 5 life and 1 Emeritus member registered in October, 1973.

A new membership application was available for distribution at midterm.

Evaluation of the questionnaire distributed to members at the beginning of the term provided the executive with suggestions for speakers and prospective topics for the luncheon meetings (Question 10) and indicated the types of social events of interest to members (Question 22).

Returns did not indicate a majority preference for the stylized insect design submitted as a possible emblem for the stationery and membership cards. The alternate designs were not distributed for approval since the majority of members completing the questionnaire indicated the Society did not require a symbol (Question 18) or a motto (Question 19).

Members confirmed that the Society continues through its established programs to fulfill its objective "to foster the advancement, exchange and dissemination of entomological knowledge" and to maintain its professional standards.

Thank you for the opportunity to serve as Chairperson of the Membership Committee during 1973-74 and for the patience and cooperation of the executive and general membership in all endeavours.

Respectfully submitted,

S. L. Leonhard

APPENDIX 'H'

Minutes of 30th Annual Meeting
ENTOMOLOGICAL SOCIETY OF MANITOBA
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1330 - 1700 Hr., 8 November, 1974

REPORT OF PUBLICITY COMMITTEE FOR 1974

As membership in the Society increased by about 25% in late 1973 and early 1974, a Publicity Committee was established for the first time in 1974 to improve exchange and dissemination of entomological information among the members. Most of the Committee's activities in 1974 involved preparation and distribution of three Newsletters to the members. The first (January) number of the Newsletter described the Society's history since its formation in 1945, and included various items of current interest. The second and third numbers (April and September) reported on insect problems in Manitoba in 1974, dealt with projects undertaken by other Society Committees, and reviewed current activities of present and past members.

Plans were made early in 1974 to prepare and distribute to members a Directory indicating each member's present line of work, previous field(s) of study, and other special entomological or related interests. Members were asked to provide this information; however, less than 10% responded, and therefore the project was discontinued.

The undersigned was the only full-time Committee member during 1974. As requested, other Society members contributed time and effort in assembling information and material for the Newsletter. Special thanks are due to T. Galloway, V. Hildahl, A. G. Robinson, R. P. Bodnaryk and R. Ellis.

H. G. Wylie
Chairman,
Publicity Committee

October 29, 1974

APPENDIX 'I'

Minutes of 30th Annual Meeting
ENTOMOLOGICAL SOCIETY OF MANITOBA
Ramada Inn, Winnipeg
1330 - 1700 Hr., 8 November, 1974

November 5, 1974

Dr. Ron Sinha
President, Manitoba Entomological Society
CDA Research Station
Campus

Dear Ron:

re: Final Report of the Environment Committee

The members of this committee during the past year were: Mr. Gordon Howe, Dr. W.J. Turnock, Mr. A.J. Kolach, Mr. B. Bowden, Dr. L. Lockhart and Dr. G. Findlay (Chairman).

The objective of the committee was to act for the Manitoba Entomological Society on public issues where the practice of Entomology affected the environment. Two such activities did occur in the past year.

1. A submission was presented to the Manitoba Clean Environment Commission to give the Commission members some information on the impact of using methoxychlor for spraying trees in the City of Winnipeg. A three-part submission was prepared as follows:

- a) Mammalian Toxicology of Methoxychlor
by G.M. Findlay
- b) Aquatic Organism Toxicology by W.L.
Lockhart
- c) Effects of Tree Defoliation on Tree
Growth and Mortality by V. Hildahl.

This 3 part submission was undoubtedly the most scientifically factual information present at the hearing in March, 1974.

2. The Entomological Society now has a member on the Manitoba Environmental Council. Dr. W.J. Turnock is the active member on a 2 year term with Dr. G. Findlay as alternate. This is a most useful membership for the society's input on environmental issues since many of the matters presently being considered by the Council pertain to Entomology.

I believe that such committees should continue to be formed by the Man. Ent. Soc. to serve the Society on public issues when and only when the need arises.

Respectfully submitted by
Dr. G.M. Findlay, Chairman

GMF/ph

APPENDIX 'J'

Minutes of 30th Annual Meeting
ENTOMOLOGICAL SOCIETY OF MANITOBA
Ramada Inn, Winnipeg
1330 - 1700 Hr., 8 November, 1974

REPORT OF THE SOCIAL COMMITTEE

Dr. R. N. Sinha, President,
The Entomological Society of Manitoba,
Research Station,
25 Dafoe Road, Winnipeg, Manitoba.
R3T 2M9

Dear Dr. Sinha:

The members of the Social Committee, besides myself, for your term in office have been, Mr. W. Romanow, Mr. G. Hamilton and Dr. H. Westdal.

The social committee planning for 1974 included four major functions and periodic luncheons throughout the year. Of the major functions, the new members reception and curling bonspiel attracted the most interest. Approximately 55 people attended the new members reception and 32 attended the curling bonspiel. The Delta field trip planned for June 1 had to be cancelled due to lack of interest and the River Rouge cruise fell far short of being called a success with only 12 people attending.

The 4 luncheons held this past term all had excellent turnouts from members. The guest speakers presented informative, up to date information on current topics and this no doubt

tributed to the good attendance.

Of the 3 hotels utilized by the Social Committee, (excluding the annual banquet at the International Inn) the Grant Motor Inn and the Ramada Inn were highly satisfactory with good accommodation, food and service.

The total cost of the social committee's functions in 1974, including new members gratuities and meals for guest speakers, was approximately \$80.00.

In closing, I would like to thank you for the appointment to Social Committee Chairman and for your help and advice during my term as Chairman. The experiences have been memorable and I have been very happy to serve the Society.

Yours sincerely,

R. J. Bilodeau,
Chairman, Social Committee.

RJB/mg

List of Social Committee Functions for 1974

- | | | |
|--------------------------------------------------------------------------------------------------------------------|-------------|------------------------------|
| 1. Guy Moore, Chairman
The Clean Environment Commission,
Manitoba | Dec. 19/73 | Ramada Inn |
| 2. New members reception
Dr. C.C. Gill, plant virologist,
C.D.A. | Jan. 31/74 | Tuxedo Inn |
| 3. Dr. Harold Welch, Head
Dept. of Zoology, U. of M. | March 14/74 | Grant Inn |
| 4. Curling Honspiel | April 6/74 | Transcona
Country
Club |
| 5. Randy Barker
Man. Dept. of Agriculture
and
Howard Smith, President
Manitoba Bee Keepers Association | May 15/74 | Grant Inn |
| 6. Delta field trip | June 1/74 | Cancelled |
| 7. Hon. Justice James E. Wilson | June 16/74 | Grant Inn |
| 8. M.S. River Rouge Cruise | Sept. 19/74 | |

APPENDIX 'K'

Minutes of 30th Annual Meeting
ENTOMOLOGICAL SOCIETY OF MANITOBA
Ramada Inn, Winnipeg
1330 - 1700 Hr., 8 November, 1974

Report on the Representative to the Advisory Group
on Insect Control, The City of Winnipeg.
(Winnipeg Insect Control Planning Group)

At the invitation of the City of Winnipeg, the Executive of the Entomological Society of Manitoba named Dr. R. N. Sinha as its Representative to the Advisory Group on Insect Control (with Dr. C. E. Osgood as alternate) for a period between March and November, 1974. I have attended and participated in the discussions of all 3 meetings held under the chairmanship of Mr. N. A. Korvan and the minutes of each meeting were submitted to the Executive through the President. Most discussions in these meetings revolved around: (a) Clean Environment Commission orders affecting the city insect control programs, (b) City's current and future programs on mosquito control and leaf-eating insect control, (c) research plans relating to the above mentioned areas of concern by the city entomologist, Dr. R. A. Ellis, and (d) publicity of entomological activities undertaken by the City of Winnipeg.

Dr. Ellis sent copies of the news releases prepared by his staff and three major reports of his first year's activities to the Society. These are:

- 1) An evaluation of the potential problem of mosquitoes in Iceland based on his U.N.-sponsored brief technical visit to Iceland in summer, 1974 (U.N. Development Program, Project No. ICE/74/D06/A/31).
- 2) A summary of insect inquiries received between 1 May and 1 September, 1974 (Total-609 phone calls, cankerworms - 428, mosquitoes - 66, forest tent caterpillars - 31, other insects - 84).
- 3) Boulevard and park tree survey, 1974, 5 October, 1974.
"The trees in Assiniboine Park, an area of the City that has been repeatedly infested with cankerworms over the past four years is noteworthy. Many trees require removal and the number needing major pruning is very high."
All reports can be obtained from the Society Representative.

I am pleased with the professional competence, energy and enthusiasm of the city entomologist, Dr. R. A. Ellis. I think the appointment of Dr. Ellis has been a wise decision by the City of Winnipeg. I also feel that our Society can play a very useful role in the urban community by regularly

sending its representative who will support or constructively criticize issues of entomological interest with which we are vitally concerned.

R. N. Sinha,
ESM Representative
5 November, 1974

APPENDIX 'L'

Minutes of 30th Annual Meeting
ENTOMOLOGICAL SOCIETY OF MANITOBA

Ramada Inn, Winnipeg

1330 - 1700 Hr., 8 November, 1974

Manitoba Environmental Council Representative

Annual Report 1973-74

In response to a request by the President of the ESM, I received a letter from the Hon. S. Green, dated 18 Feb. 74 appointing me to a 2-year term on the Council representing the Entomological Society of Manitoba. Following this appointment I attended the Annual Meeting of the Council on 15 May 74 and participated in a Council tour (15 June, 1974) which examined urban and suburban land use.

After the Annual Meeting I agreed to serve on the "Resource Use Committee" of the Council, Dr. D. Punter, Chairman. The Committee has met twice to consider applications before the Clean Environment Commission and to prepare submissions on these applications. The first meeting considered the applications by the City of Winnipeg to apply pesticides and herbicides and by the Prov. of Manitoba, Highways Dept., to apply herbicides. The second meeting considered an application by the Prov. of Manitoba to apply pesticides against the forest tent caterpillar at Manipogo Recreation Area. In

both cases I was able to contribute to the content of the briefs to the Clean Environment Commission.

I attended the hearing by Clean Environment Commission as the alternate of the Chairman of the Resource Use Committee of the Council. Although not required to present the Council's brief, I did, in a personal capacity, present a statement on aspects of the ecology of defoliators that were relevant to the hearing. I also attended the hearing of the Clean Environment Commission held at Pinawa to consider the application by the Town of Pinawa for a license to operate a program for biting fly control but did not speak to the application.

The presence of a representative of the ESM on the Manitoba Environmental Council and particularly on its Resource Use Committee has been worthwhile because of the large entomological content of the subjects discussed. This emphasis on pesticide problems is likely to increase rather than decrease in the next few years and I recommend that the ESM continue to have a representative on the Council.

Interested members may wish to read the following material available on loan from me:

1. Minutes of the Annual Meeting of the Manitoba Environmental Council 15 May, 74;
2. Minutes of the Hearing of the Clean Environment Commission, Pinawa, 1 April, 74;

3. Minutes of the Resource Use Committee Meeting of 6 May, 74 and its recommendations re spraying of Manipogo Recreation area;
4. Orders of the Clean Environment Commission re Manipogo and Pinawa spray applications;
5. Membership list, Manitoba Environmental Council;
6. Manitoba Environmental Council Newsletter No. 1, 20 Aug. 1974.

Respectfully submitted,

W. J. Turnock.

APPENDIX 'M'

Minutes of 30th Annual Meeting
ENTOMOLOGICAL SOCIETY OF MANITOBA
Ramada Inn, Winnipeg
1330 - 1700 Hr., 8 November, 1974

President's Report

I have been a member of the Entomological Society of Manitoba for more than 15 years. I have often wondered what the ideal role of our profession and the Society that champions its cause should be. What are its chances becoming a vigorous force -- a sort of vanguard society among other societies in Canada.

I have never ceased to wonder how an isolated handful of entomologists have managed to build such a truly professional society -- with its refereed technical journal, and enviably healthy financial position. Some of the other professions in Manitoba have not been so fortunate. We owe much to those entomologists who worked hard to build a solid foundation for our Society. This is the infrastructure. What can we do to build a strong superstructure on it? Having tried to do this job for a year, I now step down from the Society presidency with the following reflections. I hope these thoughts will not only stimulate our many members to think but also to act.

Our Society is stable but it is also very conservative. Conservatism implies a tendency to prefer an existing situation to change. Ironically, the glorious days of a thriving, post-war Canadian entomology are over. In 1957 when I began working in Winnipeg it was unthinkable that a Canadian, trained at the Ph. D. level in Canada's own entomology schools, will not find a job in his own profession. This has happened. Until a few years ago no one could believe that well-trained Canadian entomologists with good service records could be abruptly laid off by the Federal Government which is the biggest employer of professional entomologists in Canada. This has also happened. No wonder there is a scarcity of Canadian graduate students in our entomology graduate programs! I do not blame our biology majors if they do not choose to sign up for an entomologist's career. If there was ever a need for an aggressive professional society, for entomology regional or national, it should be now. Of course, it has always been there in our constitution: the object of the Society is to foster the advancement, exchange, and dissemination of entomological knowledge. How can this objective be fulfilled if we, as a group cannot adjust to an environment that has dramatically altered to our serious disadvantage. In the 1960's decision-makers in governments were telling us -- not too secretly either -- that this country had too many

entomologists; and then they went ahead to reduce their numbers. Perhaps they were right in their cost-benefit analysis, perhaps they were wrong. If we were alert at that time, our professional societies could have taken the hint and set up their own mechanisms for reappraisal, reassessment and lobbying. But we did not act. Our overall conservatism coupled with complaisance and elitism at the national level, and apathy and fatalism at the regional level persuaded us to opt for the status quo. Today the average age of an entomologist in the Federal Government is over 50 years. In recent years their number has been going down instead of going up; their employer is subjecting them to a most rigorous evaluation and regrouping process. Younger entomologists are recruited, if they are recruited at all, at a slower rate than ever before. The morale of Canadian entomologists can hardly be called high.

What can we do as a small regional society to improve the image of entomology to the tax-payers, policy makers, and research-funding agencies? Improving the image will require: a) pinpointing the problem areas in entomology most relevant to our time, b) concentrating our efforts in these areas, c) developing imaginative programs, and d) executing them vigorously. To achieve these results, maximum participation from the membership is essential.

As a modest beginning we can do something about the most important stumbling block towards developing a vigorous society -- apathy or the lack of interest or concern. We all suffer from this malaise at one time or another. In my year of presidentship I have listened to so many excuses -- trivial or serious -- from the members whom I have approached with requests to work for the Society only for one year! If I had taken them literally or seriously I would have certainly recommended disbanding our Society! In reality, however, several of our members did take the Society seriously and completed their assigned tasks following high professional and personal standards. I am convinced that many more of us can do this if we stop to think what is at stake. During my term as president, our Society has been active in more diverse areas than ever before. To highlight a few of its activities the Society: (a) published three informal newsletters and distributed them at regular intervals to all members; (b) sent its official representative to the Manitoba Environmental Council and the Advisory Group on Insect Control, City of Winnipeg; (c) presented formal briefs at hearings on entomological problems, of the Municipal Board, Winnipeg, and the Clean Environment Commission; (d) organized a successful entomological exhibition at the Polo Park Shopping Center, Winnipeg, in collaboration with the Museum of Man and Nature; (e) appointed for the first time a student, a woman and two entomological laboratory technicians as chairmen of Committees;

(f) prepared a revised constitution and by-law; (g) organized an insect collection contest for school students in Manitoba; (h) held seven successful luncheon meetings, and social events throughout the year. Details of these and other activities can be found in the individual reports of Committees, Representatives, the Treasurer, the Editor, and the Endowment Fund.

It seems that a progressive policy of giving equal opportunity to all members, diversity in programming, and vigorous action in all areas relevant to entomology in Manitoba has paid-off -- our membership has risen from 68 to 100 in a brief period of several months.

I thank all members of the Society for giving me an opportunity to serve them. I am particularly grateful to the members of the Executive, and the Chairmen of Committees, the Representatives whom I have appointed for being patient with me and giving me their support. I hope the membership will give their full support to the new president in his difficult task of building a better Entomological Society of Manitoba.

Respectfully submitted,

R. N. Sinha

CONSTITUTION AND BY-LAWS

ENTOMOLOGICAL SOCIETY OF MANITOBA

(Revised 1974)

I. NAME

1. The Society shall be known as the Entomological Society of Manitoba, hereinafter referred to as the Society.
2. The Society shall be in affiliation with the Entomological Society of Canada, hereinafter referred to as the National Society.

II. OBJECTS

The objects of the Society shall be the study, advancement, and promotion of entomology, and the exchange and dissemination of entomological knowledge.

III. HEAD OFFICE

The head office of the Society shall be located in the City of Winnipeg in the Province of Manitoba, Canada.

IV. MEMBERSHIP

1. The classes of membership shall be Member, Life Member, Student Member, and Honorary Member:
 - a) Member: Any person interested in entomology may apply to become a Member upon application in writing to the Secretary of the Society and on payment of the prescribed dues.

- b) Life Member: Any member may apply for Life Membership in the Society upon application to the Secretary of the Society and on payment of the prescribed fee.
 - c) Student Member: Any student interested in entomology may apply to become a Student Member of the Society upon application in writing to the Secretary of the Society and on payment of the prescribed dues. Such application must include evidence of student status, which shall be confirmed annually.
 - d) Honorary Member: Any member who has made an outstanding contribution to the Society may be nominated. Any five members, life members, student members, or combination thereof, may submit a name(s) in writing to the Executive who may recommend the nominee(s) for election to Honorary Member at the next annual meeting of the Society. The number of Honorary Members shall not exceed ten percent of the total membership of the Society. Honorary Members shall not pay dues. Honorary Members may in addition retain Member status by payment of dues.
2. Privileges of Membership:
- a) All Members, Life Members, and Student Members shall receive copies of all the Society's publications.

- b) All Members, Life Members, and Student Members may vote at all meetings of the Society, and on all ballots of the Society.
 - c) Only Members, Life Members, and Student Members may be elected to the Executive of the Society.
 - d) All Honorary Members per se shall receive copies of the Society's publications. Honorary Members per se shall not have voting privileges and are not eligible for election to the Executive.
3. Withdrawal from the Society:
Any Member, Life Member, Student Member, or Honorary Member may withdraw from the Society by a written resignation delivered to the Secretary, but without refund of dues or fees.

V. DUES

- 1. The dues for Member and Student Member classes of membership shall be determined from time to time by resolution of the Executive and approval by the voting members of the Society at an annual meeting.
- 2. Dues for Members and Student Members shall be payable on the first day of November each year. If dues have not been paid by the last day of October of the following year the Member or Student Member shall be automatically suspended and his name removed from the mailing

list. Re-instatement may be effected at any time up until the end of the succeeding October on payment of dues for the elapsed year and the current year, that is two years. After this time membership shall cease and reapplication for membership and payment of dues for the delinquent one year shall be required.

3. The fee for a Life Member shall be determined from time to time by resolution of the Executive and approval by the voting members of the Society at an annual meeting.

VI. EXECUTIVE

1. The Society shall be managed by an Executive composed of Officers and Executive Members:
 - a) The Officers
 - The President
 - The Past President
 - The President-Elect
 - The Secretary, and
 - The Treasurer
 - b) The Executive Members
 - The Editor - The Manitoba Entomologist, and the Regional Director to the National Society.

2. The Officers and the Regional Director shall begin their terms of office at the end of the annual meeting at which they were elected. Each officer and executive member shall have a vote at meetings of the Executive.
3. The Executive shall meet at the call of the President of the Society or at the written request of three officers and/or executive members.

VII. OFFICERS

1. Each officer shall hold office for one year.
2. The President shall be that person who has most recently completed a term of office as President Elect.
3. The President Elect shall be that person who was most recently elected to this office.
4. The Past President shall be that person who has most recently completed a term of office as President.
5. The Secretary shall be that person who was most recently elected to this office.
6. The Treasurer shall be that person who was most recently elected to this office.

VIII. EXECUTIVE MEMBERS

1. The Editor - The Manitoba Entomologist, shall be that person who has most recently been appointed Editor by the President acting in consultation with the Executive. The term of office of the Editor shall be for three years.
2. The Regional Director to the National Society shall be that person who was most recently elected Regional Director. He shall be a member of the National Society, and is expected to serve for at least two years.

IX. VACANCIES IN THE EXECUTIVE

1. Any vacancy in the office of President, however occasioned, shall be filled by the President Elect, who will subsequently serve his normal term as President.
2. Any vacancy in the office of President Elect, Secretary, or Treasurer, however occasioned, may be filled, pending the election of his successor by the Society, by a majority vote of the remaining members of the Executive. Should the office of President Elect be filled by vote of the Executive, the person so elected shall not automatically become President. In such case a President Elect shall be elected by the next mail ballot (see Article XV).

3. Any vacancy in the office of Regional Director to the National Society, however occasioned, may be filled, pending the election of his successor by the Society, by a majority vote of the remaining members of the Executive.

X. EXECUTIVE FUNCTIONS

1. All properties, property rights, objects, and purposes of the Society shall be managed, promoted, and regulated by the Executive. The sole regulatory exception to these provisions is the Endowment Fund, which shall be administered by the Endowment Fund Trustees in accordance with the Articles of the Endowment Fund of the Entomological Society of Manitoba.
2. The Executive is empowered to act on the behalf of the Society within the bounds of these By-Laws, and to meet all expenses incurred in the normal operation of the Society and the conduct of the Society's business. Such expenditures shall be subject to ratification by the voting members at an annual meeting.
3. The President shall be chairman of the Executive, and shall chair all meetings of the Society, and shall be ex officio member of all committees. In the absence of the President, all meetings of the Executive and

the Society shall be chaired by the President Elect.

4. The duties of the Secretary shall be:
 - a) To keep minutes of all meetings of the Executive and of the Society.
 - b) To conduct the correspondence of the Society.
 - c) To issue notice of meetings of the Executive and the Society.

5. The duties of the Treasurer shall be:
 - a) To have custody of the Society's funds and monies.
 - b) To report on the finances of the Society when required, to prepare an interim financial statement for the annual meeting, and to arrange for an annual audit of the Society's books of account.

6. The Editor - The Manitoba Entomologist, shall be responsible for the preparation and publication of all issues of The Manitoba Entomologist and the Proceedings of the Entomological Society of Manitoba.

7. The Regional Director to the National Society shall discharge his duties in accordance with the By-Laws of the National Society and the interests of the Society, in consultation with the Executive.

XI. PUBLICATIONS

1. The official publications of the Society shall be The Manitoba Entomologist and Proceedings of the Entomological Society of Manitoba.
2. The President in consultation with the Executive shall appoint an Editorial Board and an Associate Editor to assist the Editor - The Manitoba Entomologist. The duties of the Editorial Board shall be:
 - a) To recommend to the Executive publication policies of the Manitoba Entomologist.
 - b) At the request of the Editor - The Manitoba Entomologist determine the suitability of submitted material for publication in The Manitoba Entomologist or the Proceedings of the Entomological Society of Manitoba.
3. The duties of the Associate Editor shall be prescribed by the Editor - The Manitoba Entomologist and approved by the Executive.
4. The Editor - The Manitoba Entomologist, the Associate Editor, and the Editorial Board may enlist the services of other persons where special needs exist.
5. The Editorial Board shall consist of at least three but not more than five members, Life Members, Student Members, or Honorary Members, or any combination thereof providing the total number of the Board does not exceed five.

6. The Society may publish a Newsletter. The title, frequency, and method of publication shall be determined by the Executive.

XII. COMMITTEES

1. The President in consultation with the Executive shall appoint three persons, selected from the general membership of the Society, to the Standing Nominating Committee. The Past President shall be convenor of the Standing Nominating Committee.
2. The President may appoint persons selected from the general membership of the Society to such committees as he may deem to be necessary for the good conduct of the affairs of the Society, or for achieving the Society's objects. One member of each committee so appointed shall be designated as the chairman.
3. The terms of reference for all committees shall be established by the Executive.
4. Unless otherwise stated at the time of appointment, the term of office for all committees, the Editorial Board, and the Associate Editor shall be the duration of the term of the president who appointed them.

XIII. FISCAL PERIOD

The fiscal period of the Society shall be from Annual Meeting to Annual Meeting.

XIV. MEETINGS

1. The Annual Meeting of the Society shall be held in the Autumn, preferably during the month of November.
2. Other meetings of the Society may be called by the President at times and places suitable to the majority of the membership.
3. A Special Meeting of the Society shall be called by the President on receipt of a written request signed by no fewer than ten voting members of the Society. Such meeting must be held within thirty days of receipt of the request. Written notice of a special meeting shall be given to all voting members at least fourteen days in advance of said meeting. The purpose of the special meeting shall be stated on the notice of meeting.
4. All meetings of the Society, the Executive, and committees, shall be informal insofar as the orderly conduct of business will permit.
5. At all meetings of the Society, the Executive, and committees, the chairman shall cast a vote only in the event of a tie.

XV. ELECTIONS

1. Elections shall be held once a year by mail ballot for the purpose of electing the Executive. Those persons elected shall begin their term in office at the end of the annual meeting following their election and will remain in office until the end of the succeeding annual meeting, with the exception of the Regional Director to the National Society who will normally serve for two years. The office of President shall not be held by the same person for more than two consecutive years.

2. The Nominating Committee shall submit to the Secretary a slate of nominees for President Elect, Secretary, and Treasurer to be filled by election. When required the slate of nominees shall also include nominations for President and/or Regional Director to the National Society. At least two names shall be submitted for each office. Additional nominations may be submitted to the Convenor of the Nominations Committee over the signatures of at least three voting members of the Society. All nominations must be received by the Secretary not later than the last day of June to appear on the mail ballot. Each nomination shall be accompanied by a signed statement from the nominee indicating his willingness to accept office if elected. The Nominating Committee shall provide a brief biography of each candidate.

3. The mail ballot shall contain the names of the nominees in alphabetical order for each class of position to be filled.
4. The ballot shall be mailed to all voting members of the Society on or before the first day of August. To be counted, all ballots must reach the Convenor of the Nominations Committee not later than midnight on the 15 September of the same year.

XVI. QUORUM

1. At any meeting of the Society fifteen voting members shall constitute a quorum.
2. At any meeting of the Executive or a committee, three members thereof shall constitute a quorum.
3. At any meeting of the Society, the Executive, or a committee, a simple majority of votes shall decide the issue except where these By-Laws stipulate otherwise.
4. In the conduct of an election or the transaction of business by mail ballot, fifteen returned valid ballots shall constitute a quorum and a simple majority shall decide the issue, except where these By-Laws stipulate otherwise.

XVII. AMENDMENT OF BY-LAWS

1. The By-Laws of the Society may be repealed or amended at a general meeting of the Society by a two-thirds majority vote of the membership present.
2. Proposals for changes to these By-Laws must be made by a notice of motion which shall be delivered to the Secretary and a copy sent to all members at least thirty days before the meeting at which they shall be voted on.

XVIII. AUDITORS

The membership of the Society shall at each annual meeting appoint a professional auditor to audit the accounts of the Society. A vacancy in the office of auditor may be filled by the Executive.

XIX. SIGNING OFFICERS

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

XX. RULES AND REGULATIONS

1. The Executive may by resolution prescribe such rules and regulations, not inconsistent with the Constitution and By-Laws, relating to the management and operation

of the Society as it deems to be expedient. Such rules and regulations shall have force and effect only until the next meeting of the Society, when they shall be confirmed by resolution of the voting membership, and in default of confirmation at such meeting shall at and from that time cease to have force and effect.

2. In these By-Laws the singular shall include the plural and the plural the singular.
3. In these By-Laws the masculine shall include the feminine.

This eighth day of November, 1974

J. E. Guthrie
Secretary

D. L. Smith
President

MEMBERS OF THE ENTOMOLOGICAL SOCIETY OF MANITOBA

8 November, 1974

The Honourable S. Uskiw
Minister of Agriculture
Province of Manitoba
(Honorary Member of
Entomological Society of Manitoba)

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1016 Kelsey Avenue
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Askew, W. L.
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R3T 2M9

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Bell, J. R.
Research Station, C.D.A.
25 Dafoe Road
WINNIPEG, Manitoba
R3T 2M9

Bailey, C. G.
Research Station, C.D.A.
25 Dafoe Road
WINNIPEG, Manitoba
R3T 2M9

Belski, P.
City of Winnipeg Mosquito
Abatement Branch
3 Grey Street
WINNIPEG, Manitoba
R2L 1V2

Bilodeau, R. J.
Research Station, C.D.A.
25 Dafoe Road
WINNIPEG, Manitoba
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