

DR. R. A. BRUST

PROCEEDINGS OF THE

ENTOMOLOGICAL  
SOCIETY OF  
MANITOBA

VOLUME 35

1979

Proceedings of the  
ENTOMOLOGICAL SOCIETY OF  
MANITOBA

Volume 35  
1979

Philip S. Barker  
Editor  
Winnipeg, Manitoba

## ENTOMOLOGICAL SOCIETY OF MANITOBA

---

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

---

## MINUTES OF THE 35 ANNUAL MEETING

## ENTOMOLOGICAL SOCIETY OF MANITOBA

13:30 h., 9 November, 1979

## SENATE CHAMBERS

University of Manitoba, Winnipeg

In the absence of the President, J. Guthrie, Past President J. Conroy presided. A quorum being present, the Past President called the meeting to order and asked the secretary, S. Leonhard, to take minutes of the meeting.

Present

Executive: J. C. Conroy, Past President; W. B. Preston, President Elect; T. D. Galloway, Member at Large; R. A. Ellis, Regional Director; S. Leonhard, Secretary.

Executive staff: W. L. Askew, Treasurer; G. L. Ayre, Editor of The Newsletter; P. S. Barker, Editor of The Proceedings; P. H. Westdal, Editor of The Manitoba Entomologist.

<u>Members:</u>	Ashraff, M. A.	McKillop, W. B.
	Barber, J. L.	Nairn, L.
	Bracken, G. K.	Preston, W. B.
	Brust, R.	Rawn, G.
	Bucher, G. E.	Richardson, J.
	Buth, J. L.	Robinson, A. G.
	Chance, M. M.	Romanow, W.
	Holliday, N. J.	Smith, D. L.
	Jay, S. C.	Turnock, W. J.
	Joia, B.	Volkers, B.
	Lamb, R. J.	Watters, F. L.
	Loschiavo, S. R.	Wylie, G.
	McCullough, J.	

1. Agenda (Appx. A)

Motion - Ellis/Barber: Adoption of the Agenda.

Carried

2. Minutes of the last Annual Meeting

Correction: page 3, item 3(e). Substitute the word dissolved for resolved.

Motion - Holliday/Ellis: Adoption of the minutes, as corrected, of the 34th Annual Meeting of the Entomological Society of Manitoba Incorporated, held on the 17 November, 1978, and published in the Proceedings of the Entomological Society of Manitoba (Vol. 4, 1978).

Carried

3(a). Business arising from the minutes

Business arising from item 4(a) on page 3 of the minutes.

President J. Guthrie has indicated that letters were sent to the Federal and Provincial Governments and to local M.Ps. The responses received were published in the newsletter of this Society.

3(b). Auditor's Report

The auditor's report on the fiscal year ending on the 31 August, 1979, was distributed at this meeting.

Motion - Holliday/Wylie: Acceptance of the auditor's report.

Carried

EXECUTIVE REPORTS

4(a). President (Appx. B)

The report was read to the society on the previous day.

Motion - Bucher/Galloway: Acceptance of the President's report as read.

Carried

4(b). Treasurer (Appx. C)

Question: Were there no printing charges for THE MANITOBA ENTOMOLOGIST in the current year?

Answer: That is correct. There were no charges to the society. THE MANITOBA ENTOMOLOGIST was delivered one week ago.

Comments: (P. H. Westdal, editor) The costs of publication of this journal have doubled since last year. Subscriptions, page and reprint charges cover, most if not all, of the costs of publication. There was no further discussion.

Motion - Askew/Ellis: Acceptance of the treasurer's report.

Carried

4(c). Appointment of Auditor

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

Carried

4(d). Editor - THE MANITOBA ENTOMOLOGIST (Appx. D)

Motion - Brust/Barber: Acceptance of the editor's report.

Carried

4(e). Regional Director to ESC (Appx. E)

Motion - Barber/Robinson: Acceptance of the Regional Director's report (Dr. R. Ellis).

Carried

BOARD REPORTS

5(a). Endowment Fund Board (Appx. F)

Motion - Brust/McKillop: Acceptance of the Endowment Fund report (Mr. L. Nairn - Chairman).

Carried

There was some discussion about the objectives of the Endowment fund. It was agreed that the Executive should look into these objectives at its next meeting.

5(b). Editorial Board (Appx. G)

Motion - Bucher/Wylie: Acceptance of the Editorial Board report (Dr. Bucher - Chairman).

Carried

COMMITTEE REPORTS

6(a). Publicity (Appx. H)

Motion - Ayre/Barker: Acceptance of the Publicity Committee report (G. Ayre - Chairman).

Carried

6(b). Social (Appx. I)

Motion - Jay/Barker: Acceptance of the Social Committee report (Dr. Jay - Chairman).

Carried

6(c). Youth and Education (Appx. J)

Motion - Preston/Barker: Acceptance of the Youth and Education Committee report (Dr. Preston - Chairman).

Carried

6(d). Insect Common Names

Motion - Robinson/Barker: Acceptance of the Common Names Committee report (Dr. Robinson - Chairman).

Carried

6(e). Manitoba Environmental Council (Appx. K)

Motion - Turnock/Brust: Acceptance of the Manitoba Environmental Council representative's report.

Carried

6(f). Winnipeg Insect Pest Management (Appx. L)

Motion - Wylie/Buth: Acceptance of the Winnipeg Insect Pest Advisory Committee report (Dr. Wylie - Chairman).

Carried

6(g). Awards - No report.

6(h). Archivist (Appx. M)

Motion - Robinson/Jay: Acceptance of the Archivist's report (Dr. R. Heron).

Carried

6(i). Scientific Programme Committee (Appx. N)

Motion - Holliday/Barker: Acceptance of the Scientific Programme Committee report.

Carried

## ELECTION OF EXECUTIVE

7(a). 1979 - 1980 Executive

J. Conroy acting for President J. Guthrie declared the results of the 1979 ballot for election to the 1979 - 1980 Executive to be:

President	- W. Preston
President Elect	- G. Robinson
Past President	- J. Guthrie
Member-at-Large	- W. B. McKillop
Regional Director to the ESC	- R. A. Ellis

## TRANSFER OF OFFICE

- 8(a). J. Conroy acting for President J. Guthrie, thanked the present executive for their unstinting support during this term of office. J. Conroy expressed his pleasure to install Dr. W. Preston as President of the Entomological Society of Manitoba for the term 1979 - 1980 and presented him with the Society's gavel.

## OTHER BUSINESS

- 9(a). Dr. Loschiavo recommended that the new executive consider a joint meeting with the Entomological Society of Saskatchewan at some future date.
- 9(b). Dr. Turnock recommended that the membership of the ESM should consider awards to members in accordance with guidelines of the ESC.
- 9(c). There being no further business, W. Preston called for adjournment.

## ADJOURNMENT

- 10(a). Motion - Holliday/Barker: That the 35th Annual Meeting of the Entomological Society of Manitoba be adjourned.

Carried



10(b). The 35th Annual Meeting of the Society was adjourned at 15:06 of the 9 November 1979.

---

S. Leonhard  
Secretary

---

W. Preston  
President

Appendix A

35th Annual Business Meeting

1979 November 9

AGENDA

1. Adoption of Agenda
2. Adoption of Minutes of the 34th Annual Business Meeting held  
1978 November 17
3. Business arising from the Minutes
4. Executive Reports
5. Board Reports
6. Committee Reports
7. 1979 - 1980 Elections Mail Ballot
8. Transfer of Office
9. Other Business
10. Adjournment

Appendix B

35th Annual Meeting

PRESIDENT'S REPORT

My year as your President has passed all too quickly. I am grateful for the privilege of serving you in this office. Nevertheless I am acutely aware that I have not achieved all the goals I had set for myself this time last year.

Attempting to guide the affairs of our society from a distance of 75 miles or 120 kilometers, we must be bi-dimensional too, was not easy. It would have been well nigh impossible but for the cheerful and willing assistance of the Executive, the Executive staff, and the chairmen of the various committees. In particular I commend to you the efforts of Dr. Jay's Social Committee, Dr. Preston's Youth and Education Committee, and Dr. Holliday's 1979 Scientific Program Committee.

Some of you may think there should have been more issues of the Society's Newsletter this year. A fair comment. But the fault, if any, lies with you. It has been said "you can't draw blood from a stone." However, Gordon Ayre, the editor of the Newsletter, tried to do just that! News items were the 'blood' he valiantly tried to draw from out of the 'membership-stone.'

Funding for life sciences research in Canada, more especially for entomological research, is inadequate. Of equal concern is the fact that the number of scientists engaged in entomological research per sec., particularly in government laboratories, continues to decline drastically. Like it or not, we must convince the public and the politicians of the worth of the product which we have to offer. The Entomological Society of Canada is spearheading the necessary sales campaign, but it can not do it alone. Our Society must cooperate.

During the past year, your Executive approved and began two programs which I recommend be continued. One of these programs is devoted to information retrieval. The other is concerned with the public's conception and image of entomology and entomologists.

President's Report

- 2 -

The information retrieval program has made a good beginning. The first list of published literature pertinent to demonstrating the cost effectiveness of money spent for entomological research, has been delivered to the appropriate committee of the national society. A second list is nearly completed.

The public image program under Dr. Bodnaryk's direction, is well into what I call the 'concept verification stage'. The aim of this program is to 'sell', yes sell, entomology to the people of Manitoba via the medium of television. The tentative plan is to write three 10 minute scripts which tell the story of entomology in Manitoba and its importance to the province. This will be an audio-visual production. There is every reason to expect that the programs will be televised at no cost to the Society IF we come up with the suitable scripts. The production of the scripts will require a lot of work. I am confident we are equal to the challenge.

Already too much time has been spent bemoaning our misfortune. The public must be made aware of what they stand to lose if entomological research is allowed to flounder and they must be told now.

J. E. Guthrie  
President  
1978-79

## Appendix C-1

THE ENTOMOLOGICAL SOCIETY OF MANITOBA  
STATEMENT OF RECEIPTS AND DISBURSEMENTS  
FOR THE YEAR ENDING AUGUST 31, 1979

## RECEIPTS:

Membership	\$ 290.00	
Subscriptions	217.26	
Committees	103.75	
Annual Meeting	1,010.00	
Current Account Credits	<u>20.86</u>	\$1,641.87

## DISBURSEMENTS:

Printing	\$ 27.70	
Stationery	80.72	
Postage	147.69	
Bank Charges	9.50	
Committee Expenses	327.10	
Meetings - Annual	901.29	
Miscellaneous	<u>41.50</u>	\$1,535.50

Net Profit from Operations	\$ 106.37
G.I.R. Investment Income	1,379.80
Investment Interest	<u>205.09</u>

NET INCOME for Year Ending August 31, 1979	<u>\$1,691.26</u>
--	-------------------

## Appendix C-2

THE ENTOMOLOGICAL SOCIETY OF MANITOBA  
BALANCE SHEET  
FOR THE YEAR ENDING AUGUST 31, 1979

## ASSETS:

Current Account Bank Balance		\$ 613.25
Savings Account Bank Balance		3,465.22
Investments: #D39882	\$2,000.00	
#J33544	2,000.00	
#Q95692	2,000.00	
#Q77695	3,000.00	
#Q0889G	3,000.00	
#JC5048	2,000.00	
#B37947	2,000.00	
Expired Certificate on Demand: #854190	<u>1,200.00</u>	\$17,200.00
Petty Cash		<u>25.00</u>
		\$21,303.47

## LIABILITIES AND SURPLUS:

Liabilities		
Surplus Account		
Balance as at Aug. 31/78	\$19,612.21	
Net Income for the Period	<u>1,691.26</u>	<u>\$21,303.47</u>

Appendix C-3

THE ENTOMOLOGICAL SOCIETY OF MANITOBA  
AUDIT REPORT FOR THE YEAR ENDED  
AUGUST 31, 1979

I have examined the records of the Entomological Society of Manitoba for the year ended August 31, 1979.

In my opinion the attached financial statements present fairly the financial position of the Society as at the year ended August 31, 1979 and the results of its operations for the year then ended in accordance with generally accepted accounting principles.

Helen Samboluk

Appendix D

EDITOR'S REPORT

Volume 11 of the Manitoba Entomologist was published in October of 1979, almost a year behind schedule. There were delays in printing, but the basic problem continued to be a shortage of papers; manuscripts in this issue were received over a period of 14 months. To maintain a publication schedule, and at the same time allow time for the process of review, revision, and editing, there must be an adequate and continuous flow of manuscripts. The message should be clear--members must support the journal.

Cost of publication rose sharply in 1979, but page charges and sale of reprints should be adequate to offset the cost.

P. H. Westdal  
Editor



## Appendix E

## E.S.C. REGIONAL DIRECTOR'S 1979 REPORT

The Executive Committee of the Entomological Society of Canada met in Winnipeg on April 26-27, 1979. Items discussed at that meeting and of general interest to the members of the Entomological Society of Manitoba have been adequately reported in subsequent issues of the E.S.C. Bulletin.

Our membership can be justifiably proud that Dr. W. J. Turnock is now President and Dr. S. R. Loschiavo is First Vice-President of the national Society. With Manitoba so represented on the Executive Council, western interests should now receive even more attention in the business of the national Society.

In 1978, considerable restructuring of E.S.C. Committees was undertaken. This resulted in their general revitalization. Of particular note is the dedication of Dr. S. R. Loschiavo and his Science Policy - Public Education Committee. This hard-working committee is making definite advances and deserves the support of all the membership.

One of the most obvious improvements in the national Society was the Photo Salon held at the recent annual meeting in Vancouver, Dr. W. Preston and Mr. R. Long (S.F.U. BioSciences Photographer) were instrumental in bringing the Photo Salon up to a recognized professional level. The Salon drew submissions from many countries. A new standard of excellence has been set that, hopefully, will soon be exceeded by the Entomological Society of Manitoba.

The Governing Board meeting was held in Vancouver at the joint meeting of the E.S.C. and Entomological Society of B.C. Items of interest to the general membership will be published shortly in the E.S.C. Bulletin.

One area that the E.S.C. seems to have neglected somewhat is that of recognition for its member's advances in entomology. It seems unusual that so few of the E.S.C. members have been made Fellows of the E.S.C. or have received Achievement Award's or Scholarships.

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

79/11/08

## Appendix F

## ANNUAL REPORT OF THE ENDOWMENT FUND BOARD

Bonds to the value of \$2500, \$1500 and \$1200 matured November 1978, January and April 1979 respectively for the total of \$5200.00.

Bonds of \$3000 and \$2000 were purchased December 1978 and April 1979 respectively for a total of \$5000.00.

Thus for the year ending August 31, 1979 investments are down \$200. However the expired \$1200 bond matured in April 1979 is being held on demand and earning current interest rates.

All investments are in Guaranteed Investment certificates with Royal Trust Corp. as follows:

<u>Reg. No.</u>	<u>Amount</u>	<u>Interest %</u>	<u>Maturity</u>	<u>Annual Income</u>
B37947	\$ 2,000	10.875	Oct. 1979	\$ 217.50
D39882	2,000	8.875	July 1980	177.50
J33544	2,000	10.375	July 1981	207.50
Q95692	2,000	9.625	Apr. 1982	192.50
Q77695	3,000	9.375	Nov. 1982	281.25
Q0889G	3,000	10.375	Dec. 1983	311.25
JC5048	2,000	10.125	Apr. 1984	202.50
	<u>\$16,000</u>			<u>\$1,590.00</u>
854190	1,200	Current	Matured	
	<u>\$17,200</u>			

Bonds to the value of \$2000 matured in October 1979. The Board on November 2, 1979 recommended purchase of \$2200 in bonds to yield 12.125%.

Publishing costs for the Manitoba Entomologist are estimated to increase 100% in the next year. Interest rates are a daily guessing game. It is imperative that the financial management of funds be closely aligned to the daily affairs of the Society. The Board recommends that a Financial Committee replace the Endowment Fund Board and at least one member of the E.S.M. executive be a member of this Financial Committee.

R. Brust  
D. L. Smith  
L.D. Nairn, chairman

Date: November 7, 1979

Appendix G

ANNUAL REPORT OF THE EDITORIAL BOARD

In response to a request from the Executive of the Society the Editorial Board made several recommendations on two topics:

1. encouragement of publication in the Manitoba Entomologist, especially by members of the Society;
2. upgrading of the quality of illustrations, especially tables and graphs, presented by speakers at annual meetings of the Society.

As a result of the second topic, speakers of the 1979 meeting were provided with a summary set of guide lines for preparing illustrations when their papers were accepted for presentation.

G. E. Bucher, Chairman  
N. L. Holliday  
W. B. McKillop  
D. L. Smith

Date: November 1, 1979

Appendix H

ANNUAL REPORT OF THE PUBLICITY COMMITTEE

As in past years, three issues of the News Letter were published: February, May and October. Submissions for the first two Letters were numerous and provided material for our usual multi-paged issues. Contributions for the third Letter were few and provided only a one-paged issue.

As a result of a letter to the editor which appeared in the February issue, an attempt was made to interest high school teachers and students in our Society. A letter explaining the purpose and activities of our Society was sent to the Science Teachers Association of Manitoba and Mr. W. Watts, president of the Association, was placed on our mailing list to receive the newsletter and notices of our activities. There has been no response.

Suzanne Chaput, Agriculture Canada, and Mary-Anne Trager, Manitoba Department of Agriculture typed and duplicated the News Letter. Bob Semple assisted in collating and preparing the News Letter for mailing. I thank these individuals and all members who submitted material for the News Letter.

G. L. Ayre, Chairman

8 November 1979

Appendix I

SOCIAL COMMITTEE REPORT

Several events were the responsibility of the Social Committee this year.

(1) New Members' Night

This was held at the University of Manitoba Faculty Club on January 20, 1979 with 71 in attendance.

Mr. Don Dixon, Extension Apiarist for Manitoba gave an excellent slide and film presentation called: "The Killer Bee - Fact or Fallacy."

(2) Annual Banquet

This was held at the Ramada Inn on November 9, 1979.

Entertainment was provided by a fine group of ladies "The Good News."

(3) Four noon hour luncheons were held during the past year. These were well attended, because we had excellent speakers on each occasion.

The Chairman appreciates the fine co-operation he received from various members of the Society in organizing the above events.

The Committee recommends that all of these activities be continued next year.

C. Jay, Chairman

## Appendix J

## YOUTH AND EDUCATION COMMITTEE REPORT

It was a busy year for the committee, whose members spoke to eighteen Beaver groups and two cub packs, a total of approximately 500 people, plus three schools. The chairman spoke briefly to the board of the Science Teachers Association of Manitoba about the activities of the Y.E.C. and the Entomological Society of Manitoba.

In our first mailing over 200 questionnaires were mailed out in order to update our mailing list. As a result of this, and further mailings later, we now have a mailing list of 57 addresses consisting of 72 individuals. All but five of these are children ranging in age from 5 to 15 years, most falling between ages 9 and 11. It is gratifying to have interested parents attend our workshops as well.

Four workshops were held:

- March 3: film - "Adaptions in Insects"; discussion of equipment, supplies, books
  - May 12: film - on army ants; our group voted on a name for itself - "The Young Entomologists"
  - July 7: Spiders; demonstration on pinning insects; a list of publications on collecting had been mailed out
  - October 13: Two films - "Introducing Insects"; "Life in a Woodlot"; Theme - insects in winter. The Young Naturalists (Manitoba Naturalists Society) had been invited.
- Field trips: June 30 - The Fort Whyte Nature Reserve  
September 8 - LaBarriere Park

An exhibit was held at the Polo Park Shopping Mall June 6 - 9.

Our total expenditures amount to \$96.73 broken down as follows:

YOUTH AND EDUCATION COMMITTEE REPORT (Continued)

Postage	\$55.94
Printing and xeroxing	21.41
Classroom rental (Museum)	8.00
Misc. (cups, paper, etc.)	<u>11.38</u>
	\$96.73

Respectfully submitted

November 9, 1979

Peter Arntfield  
Terry Galloway  
Sharon Leonard  
Brian McKillop  
Bill Preston, Chairman

## Appendix K

## REPORT OF THE REPRESENTATIVE ON THE MANITOBA ENVIRONMENTAL COUNCIL

As in previous years, the Environmental Chemicals Committee handled most of the Council affairs that are of interest to the Entomological Society of Manitoba. This committee was chaired by W. J. Turnock until May 1979 and is now chaired by D. C. G. Muir. The committee continues to comment on applications for pesticide use received by the Clean Environment Commission. The quality of these applications indicates that little progress has been made in informing the governments of smaller urban centres on safe and effective methods of reducing the biting fly problem. The Manitoba Environmental Council attempted to improve this situation by arranging for Dr. T. Galloway to present a talk on mosquito control at meetings of the Manitoba Association of Urban Municipalities in Lac du Bonnet and Carman.

At the annual meeting of the Council, 27 April 1979, a recommendation was made to the Minister of Mines, Resources and Environmental Management that current methods of publicizing the Dutch elm disease control program be intensified and new methods developed to increase municipal awareness and participation.

In June, the Council was host to a meeting of representatives of Canadian Environmental Councils (Canada plus most provinces). The theme of the meeting was "Toxic Chemicals in the Environment." A series of resolutions relating to the identification, monitoring, assessment and disposal were passed for individual councils to present to their ministers. These resolutions are available on request.

I will be unable to act as the ESM representative to the Council in the coming year because of my heavy commitments to the Entomological Society of Canada.

W. J. Turnock

November, 1979



Appendix L

WINNIPEG INSECT PEST MANAGEMENT ADVISORY COMMITTEE

Report of the E.S.M. Representative

No meetings of the Committee have been held since the last annual meeting of the Society. Insecticide efficacy reports, summarizing studies carried out by the Insect Control Branch in 1978 on developmental and commercially--available insecticides, were circulated to Committee members by Dr. Ellis. Research plans of the Insect Control Branch for 1979 had been reviewed at a Committee meeting on October 18, 1978.

H. G. Wylie  
Representative

November 1, 1979

Appendix M

ANNUAL REPORT OF THE ARCHIVIST

My initial report on the Society's archives was presented in 1976. In the interim since, circumstances have prevented me from devoting any appreciable amount of time to my duties as archivist. Henceforth however I plan to renew my work on the Society's papers with the objective of fulfilling my assignment of preparing a history of the Society and making recommendations concerning the permanent disposition of the Society's official papers and other archival materials.

Since the 1976 report the archivist's files have been augmented by material covering the period 1971 - 1975. This includes correspondence, minutes, programs of scientific meetings and a number of excellent photographic prints illustrating some of the Society's activities. These have been sorted and arranged. Additional activities have included replies to enquiries concerning the Society's history received from the chairman of the Heritage Committee, Entomological Society of Canada and from the archivist of the Entomological Society of America.

In the immediate future I plan to formulate some specific proposals concerning alternative formats for an historical review and these will be sent to the executive for their consideration.

There are certain significant information gaps in the material which I have at hand and I will probably be appealing to the membership-at-large for their assistance in this regard.

R. J. Heron  
Archivist

1 November 1979

## Appendix N

## ANNUAL REPORT OF SCIENTIFIC PROGRAMME COMMITTEE

The programme of the annual meeting forms exhibit number one of my report. In my view, little needs to be added to it in order to report the activities of the committee.

The quality of a scientific programme depends on the quality of the material reported upon, and on the quality of the presentation of the material. The Society's Executive, Editorial Board, and Programme Committee have, in the past year, considered way in which standards may be maintained or improved.

This year, for the first time, abstracts were requested from those submitting papers. These abstracts were very valuable to the programme committee in deciding which papers should be accepted, and in assembling the programme in a reasonably logical fashion. I would like to suggest to next year's executive that more use could be made of these abstracts. Two things might be considered. The abstracts could be published by the society in one of its publications; this would leave a permanent record of the scientific content of Annual Meetings; the "points" to be gained from publishing an abstract might result in more contributed papers being received. Alternatively, the society might wish to provide copies of abstracts to those registered at the annual meeting. Whatever the executive's decision, I would like to recommend continuation of the practice of requiring an abstract as a method of quality control over the content of the scientific programme.

The quality of the visual presentation was also considered important by the Society's executive and editorial board. Accordingly, guidelines for visual presentations were prepared, and sent to all those giving a paper at the meetings. I must leave it to your judgement as to whether the standards of visual presentation are now sufficient, or whether further action is required.

The committee is grateful to our guest speaker, Dr. P. W. Riegert for his great contribution to our programme, and to Dr. W. Turnock for speaking to us in his "President of the Entomological Society of Canada hat." We wish to acknowledge all the speakers at

(continued)

- 2 -

the annual meeting for the efforts they have made to prepare and present their material. Particular thanks go to Dr. P. A. MacKay and Dr. R. J. Lamb for hosting the reception on the evening of 8 November. The committee wishes to thank the Society's executive for its support, and all those, projectionists and others, who helped in any way. Finally, I would like to thank the Scientific Programme Committee, H. G. Wylie, W. B. McKillop, B. Taylor, and J. R. Richardson for the time and effort they invested in the meeting, and Dr. Jay for his co-operation.

Neil Holliday  
Chairman