

ROYAL METEOROLOGICAL SOCIETY

CANADIAN BRANCH

ANNUAL REPORT OF THE EXECUTIVE COMMITTEE FOR 1959-60

to be submitted to the Annual Meeting  
April 19, 1960

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ROYAL METEOROLOGICAL SOCIETY

1959

CANADIAN BRANCH

Minutes of the 19th Annual Business Meeting

for year 1958

1. The meeting opened at 11.00 am May 14 in room 61, Economics Building, 278 Bloor Street West, Toronto. The President, Dr. W. L. Godson, was in the chair.
2. Minutes of the 18th Annual Business Meeting were presented. These had been distributed by mail in February 1958, and additional copies were also made available at the meeting. It was moved by Mr. K. T. McLeod and seconded by Mr. R. C. Graham that these minutes be adopted. Carried.
3. The Chairman proposed a new procedure in the conduct of the business meeting. The Executive Committee for 1958-59 considered that the reports of other groups were reports to the Executive Committee rather than to the full membership. Thus the Annual Report of the Executive Committee for 1958-59 was drawn up to incorporate the reports of the Montreal Centre, Winnipeg Centre, President's Prize Committee, Membership Committee, Treasurer's and Auditor's reports and Nominating Committee. These reports had already been adopted by the Executive Committee, so that it was now necessary to adopt only the Annual Report of the Executive Committee.
4. The following discussion of the Annual Report took place.
  - 4.1. Report of the Winnipeg Centre.

It was suggested that a letter of commendation be sent to Winnipeg on their recently instituted program of distribution of meteorological texts and publications to public libraries in Greater Winnipeg.
  - 4.2. Publications.

It was noted that all 10 Cloud Atlases had now been sold and that a further order would be placed to Geneva.

Considerable discussion took place on some form of improved Branch publications. It was pointed out that this was mainly a matter of finances. It was noted that the Canadian Association of Physicists are considering setting up a Geophysics Division with the possibility of publishing a Canadian Journal of Geophysics. It was suggested that it might be possible for

the RMS Canadian Branch to make an external arrangement for the distribution of the Canadian Journal of Geophysics to Branch members. It was suggested that the new Executive should explore the possibility of the Canadian Branch RMS getting behind the new Journal. Possibly it could be jointly sponsored by CAP, NRC and RMS. The discussion led to no firm recommendations but it was indicated that the problem of a Canadian meteorological publication of appropriate stature was probably the chief one for the consideration of the new Executive.

4.3. Membership Classes

Full details of the negotiations with U. K. are given in the Annual Report.

It was pointed out by Dr. W. E. K. Middleton that the indiscriminate use of the word "Fellow" within the RMS was undesirable. In many organizations Fellowship denotes a form of closed membership open only to those who have made special contributions to the science or who have qualified through some form of examination. The present Fellowship in the RMS cannot be compared with Fellowship in such organizations as the Royal Photographic Society or the Royal Society. It was suggested that the new Executive might examine the possibility of having all Canadian members designated simply "Members" of the RMS rather than Fellows.

4.4. Amendment of By-Laws

The secretary announced the result of the balloting on the amendments of By-Laws as follows: in favour 35, opposed 3. Thus the amendments can now be declared in force.

Accordingly the following will take effect January 1, 1960.

The Associate grade of membership will be abolished and all Canadian Branch members will be Fellows.

The nomination of Vice-President for Canada on Council of the Society will be carried out by the Canadian Branch Executive Committee instead of by a motion at the Annual Meeting.

5. It was moved by Mr. F. W. Benum and seconded by Mr. D. B. Kennedy that the report of the Executive Committee be adopted. Carried.

6. Fees for 1960.

6.1. It was noted that fluctuations of exchange between Canada and Great Britain could affect the Branch's financial condition. Payments to the Parent Society are based on sterling and our Branch fees are set in dollars. This had been considered by the Executive Committee in making their recommendations on fees and it was felt that our surplus could absorb any such adjustments. Branch fees are established annually at the Annual Meeting.

6.2. The question of payroll deduction of RMS fees was raised. It is doubtful if this could be arranged for a group as small as the RMS and in any case the cost of administration of the plan would result in increased fees.

6.3. It was moved by Mr. R. L. Titus and seconded by Mr. J. R. H. Noble that:

- the Canadian Branch fees for 1960 be \$10.00 for all members (Fellows)
- the amount remitted to U. K. be £3-3-0 per member
- the initiation fee remain at \$2.50 and the amount remitted to U. K. remain at £1-1-0

Carried

7. Nomination of Auditor

Dr. J. S. Marshall had moved by letter that the Auditor for 1960 be Mr. A. High, Air Services Regional Accountant, Department of Transport, Montreal Airport, Dorval, Que. This motion was seconded by Mr. B. W. Boville and carried.

8. A vote of thanks was accorded the retiring Executive Committee, the Committees appointed by them, and the Auditors, for their efforts on behalf of the Society during their term of office.

9. The new Executive of the Canadian Branch consisting of:

PRESIDENT	-	Dr. J. S. Marshall
VICE-PRESIDENT	-	Mr. J. M. Leaver
RECORDING SECRETARY	-	Mr. B. W. Boville
CORRESPONDING SECRETARY	-	Mr. R. Anderson
TREASURER	-	Mr. C. L. Grozier
COUNCILLORS	-	Mr. P. Johns
	-	Mr. C. H. Sutherland
	-	Mr. C. E. Thompson
	-	Mr. A. W. Jackson
CHAIRMAN, MONTREAL CENTRE	-	Dr. Svenr. Orvig
CHAIRMAN, WINNIPEG CENTRE	-	Mr. A. B. Lowe
CHAIRMAN, TORONTO CENTRE	-	Mr. M. K. Thomas
VICE-PRESIDENT FOR CANADA		
ON U. K. COUNCIL	-	Dr. W. L. Godson

was declared in office immediately following this meeting. The Members attention was directed to the fact that correspondence with the Society should henceforth

be addressed to:

Mr. R. Anderson,  
Secretary, Royal Meteorological Society,  
Central Analysis Office,  
Meteorological Branch,  
Trans-Atlantic Administration Bldg.,  
Montreal Airport, Quebec.

10. The meeting adjourned at 12.30 pm on a motion by Mr. J. A. W. McCulloch, seconded by Mr. C. L. Mateer, and carried.

*W. L. Godson*

W. L. Godson,  
President.

*P. Johns*

P. Johns,  
Corresponding Secretary.

Dated May 28, 1959

### Report from the President

At the start of the calendar year, we all became Fellows of the Society, leading a local wit to suggest the salutation "Dear Fellows Canadian". The change to Montreal has been accomplished without disaster or even incident; Toronto has not so much lost a Branch as gained a Centre. I hope in the next few weeks to address all three Centres, as well as the sizable group of Fellows resident in or about Vancouver.

We must admit to a lapse of "The Publication of the Canadian Branch". The lapse need not be permanent, but alternative forms of publication are being studied. We are happy that some time in 1960 the distribution of "Weather" and the Quarterly Journal will be by direct mailing from London. The corresponding secretary of the Canadian Branch will remain responsible for the maintenance of a correct list of addresses; please keep him posted.

The executive have noted a lack of use of "Student Membership" in this country, and have arranged a study of its possible exploitation.

The Canadian learned societies, and some associated groups, have developed a post-war tendency to hold annual scientific or academic meetings all in the same place and at about the same time. This year the place is Kingston. Since half of us are within a few hours' drive of Kingston, this seems an excellent year for our Branch of the Royal Meteorological Society to try on this habit. We are therefore most happy to be planning a scientific meeting at Queen's University on June 7th and 8th, and hope that many of the Fellows will attend at least some part of our sessions.

### The Executive Committee

The Executive Committee met seven times during the 1959-60 period to consider the business of the Branch. Notices and agenda of meetings were sent to all committee members but distance effectively limited attendance to the five officers.

#### Members of the Executive Committee 1959-60

President	- Prof. J.S. Marshall
Vice-President	- Mr. J.M. Leaver
Corresponding Secretary	- Mr. R. Anderson
Recording Secretary	- Mr. B.W. Boville
Treasurer	- Mr. H.M. Hutchon*

#### Councillors

Mr. P. Johns	- Toronto
Mr. C.H. Sutherland	- Gander
Mr. C.E. Thompson	- Edmonton
Mr. A.W. Jackson	- Vancouver

Vice-President for Canada - Dr. W.L. Godson

#### Chairman -

Montreal Centre: Dr. Svenn Orvig  
 Winnipeg Centre: Mr. A.H. Lamont  
 Toronto Centre : Mr. M.K. Thomas

#### Appointments

\*Treasurer - Mr. H.M. Hutchon was appointed to succeed Mr. C.L. Crozier who resigned on transfer out of the Montreal area.

Librarian - Dr. W.L. Godson

Nominating Committee - Dr. R.H. Douglas  
 Dr. W.L. Godson  
 Dr. S. Orvig

Prize Committee - Prof. F.K. Hare

Student Membership - Dr. S. Orvig

Program for the National Meeting - Prof. J.S. Marshall  
 Dr. W.L. Godson  
 Dr. R.H. Douglas

MEMBERSHIP STATISTICS for the Canadian Branch

	Life Fellows	Fellows	Associates	Total
Dec.31, 1958	5	72	268	345
Dec.31, 1959	5	71	258	334
Jan. 1, 1960	5	329		334
New members -	7			
Resignations -	5			
Suspension for non-payment of 1958 fees -				13

A complete list of members together with their geographical distributions has been issued separately.

ANNUAL REPORT OF THE MONTREAL CENTRE, 1959

The meetings of the Montreal Centre were held, as in former years, in the Faculty Club of McGill University. Most of the meetings were held on Thursday evenings. The Centre continued to enjoy the use of the facilities of the Faculty Club for refreshment after the close of business. The attendance at meetings exceeded 30 persons, of a membership in the greater Montreal area of 67.

Seven meetings were held. Research and operations of local members formed the subject on three occasions; one speaker came from Toronto and one from Ottawa, and the members also enjoyed lecturers from the USA and Switzerland.

The Executive Committee of the Centre for 1959 was as follows:

Chairman : Dr. Sverre Orvig  
 Secretary: Mr. R.A. Strachan  
 Treasurer: Mr. P.W. Summers

Details of the meetings are given below.

Jan. 23, 1959	PRESSURE MEASUREMENT	Mr. H. Bindon, Chief, Instrument Division, Meteorological Service of Canada.
Feb. 5, 1959	MESOMETEOROLOGY	Dr. Morris Tepper, Chief, Severe Local Storms Research Unit, Office of Meteorologi- cal Research, U.S. Weather Bureau.
Mar. 12, 1959	ON THE ACCURACY OF UPPER AIR ANALYSIS	Dr. Roy Berggren, Meteorolo- gical Division, Internati- onal Civil Aviation Organization.
June 8, 1959	STUDIES OF HAIL IN SWITZERLAND	Mr. Roland List, Institut federal pour l'etude de la neige et des avalanches, Weisefluhjoch, Davos, Switzerland.
Oct. 29, 1959	A REPORT ON THE CONFERENCE ON STRATOSPHERIC METEOROLOGY AUG.31- SEPT. 3, 1959	Mr. B.W. Boville, C.A.O., D.O.T. and the Arctic Meteorology Research Group, McGill University.
Nov. 19, 1959	FALLOUT AND METEOROLOGY	Mr. G. Gilbert, Canadian Meteorological Service and The Defence Research Board.
Dec. 15, 1959	SOME ASPECTS OF NUMERICAL WEATHER PREDICTION ON A MEDIUM SIZE ELEC- TRONIC COMPUTER	Mr. M. Kwizak, Canadian Meteorological Service.

(signed) Sverre Orvig, Chairman.

ANNUAL REPORT OF THE TORONTO CENTRE, 1959

Following the transfer of the Canadian Branch Executive to Montreal in May 1959 a Toronto Centre was established with the following officers:

Chairman - M.K. Thomas  
 Secretary - A.G. MacVicar  
 Treasurer - H.E. Chadburn

Toronto Meetings of the Canadian Branch, 1959

28 Jan 59	SYMPOSIUM ON EDUCATION	Mr. R. Craddock, Dr. W.L. Godson, Prof. Scott.
25 Feb 59	SYMPOSIUM ON THE GREAT LAKES "PRESENT STATUS OF LIMNOLOGICAL RESEARCH" "APPLIED METEOROLOGY"	Dr. D.V. Anderson Mr. D.K.A. Gillies
25 Mar 59	PANEL ON METHODS OF FORECASTING "NUMERICAL - DYNAMICAL" "ANALOGUE - STATISTICAL" "SYNOPTIC"	Mr. C.M. Penner Mr. D.E. McClellan Mr. R. Lee
14 May 59	"SOME UNUSUAL ASPECTS OF THE ARCTIC WINTER STRATOSPHERE"	Dr. W.L. Godson

Meeting of Toronto Centre, 1959

5 Oct 59	"RECENT DEVELOPMENTS IN METEOROLOGY IN THE UNITED STATES"	Mr. Vaughn D. Rockney
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6.

8 Dec 59

"AN EVENING WITH APPLIED  
METEOROLOGY"

Mr. C.C. Boughner  
Mr. J.P. Bruce  
Mr. J.G. Potter  
Mr. R.L. Titus  
Mr. E.I. Mukammal  
Mr. B.S.V. Cudbird  
Mr. G.R. Kendall

(signed) A.G. MacVicar,  
Secretary, Toronto Centre.

ANNUAL REPORT OF THE WINNIPEG CENTRE, 1959

The executive committee of the Winnipeg Centre for the year 1959 was as follows:

Honorary Chairman	-	A.B. Lowe
Chairman	-	A.H. Lamont
Vice-Chairman	-	F. Kowal
Secretary-Treasurer	-	H.M. Fraser

The program of collecting and distributing meteorological periodicals and books to interested libraries in Greater Winnipeg was continued by the work of Mr. S.V. Gordon particularly. Copies of "Cloud Study" by Ludlam and Scorer were provided to the Winnipeg Library (William St.), Winnipeg Library (Cornish), the University of Manitoba Library, and the St. James Library. At the present time a project involving weather talks on meteorology at the city high school science clubs is being investigated. The membership of the Winnipeg Centre has indicated that, if the science clubs are interested, it will be able to provide lectures on subjects designed to stimulate the interest of science students in meteorology.

During the year four meetings were held as follows:

January 16th - Dr. D.P. McIntyre: "Trends in Meteorology".

- March 13th - A panel discussion on "Stratus Forecasting" with Mr. J. Labelle as Moderator and Chuck Brosch from Portage, Abe Reimer from Winnipeg and Art Lamont substituting for Paul Kowal of Gimli as panelists.
- October 23rd - Report on the A.M.S. Conference on Stratosphere Meteorology by Mr. S.V. Gordon and Mr. D.S. McGeary.
- November 20th - "Storm Analysis and Hydrology" by Mr. G.A. McKay of Regina.

These meetings were all well attended and there was a spirit of interest and enthusiasm evident at all of them. The panel discussion at the 13 March 59 meeting was an experiment which proved to be successful.

It is felt that the activities of the Winnipeg Centre have been very worthwhile and in keeping with the objectives of the Royal Meteorological Society.

(signed) A.H. Lamont,  
Chairman.

#### AWARDS

The following awards for 1958 were made during 1959.

President's Prize: 1958 - awarded to L.B. MacHattie for his paper "Topoclimatology of Observations", presented to the Fourth National Meeting of the Canadian Branch, November 1957, and subsequently published in 1958 in Vol. 8, No. 5 of the Canadian Branch publication.

The First Darton Prize: 1958 - awarded to J.L. Galloway for his papers "The Three-Front Model: Its Philosophy, Nature,

8.

Construction and Use" and "The Three-Front Model, the Tropopause and the Jet Stream" published in "Weather" in January 1958, and December 1958, respectively.

The Second Darton Prize: 1958 - awarded to R.W. Longley for his paper "Temperature Variations at Resolute, Northwest Territories", published in the Quarterly Journal of the Royal Meteorological Society in October 1958.

REPORT OF THE PRIZES COMMITTEE, 1959

It is recommended that the President's Prize be awarded to G.A. McKay and A.B. Lowe for their paper "The Tornado in Western Canada" presented at a Canadian Branch Meeting, Toronto, November 6, 1958 and subsequently published in the Bulletin of the American Meteorological Society.

I have pleasure in recommending the award of Darton Prizes for 1959 as follows:

First Award

R.H. Douglas and W. Hitschfeld - "Patterns of Hailstones in Alberta", Quarterly Journal of the Royal Meteorological Society, 85, April, 1959, pp. 105-119.

Second Award

D.K.A. Gillies - "Winds and Water Levels on Lake Erie", Publication of Canadian Branch, Royal Meteorological Society, 9, no. 1, 1959, pp. 12-24.

(signed) F. Kenneth Hare.

TREASURER'S REPORT FOR THE YEAR ENDING DECEMBER 31, 1959CASH ACCOUNT:RECEIPTS:

<u>FEES:</u>	Initiation	17.50	
	1957 - Fees	35.80	
	1958 - Associates	72.00	
	1958 - Fellows	51.75	
	1959 - Associates (234)	2,105.20	
	1959 - Fellows (69)	793.50	
	1960 - Fellows	12.50	
	Bank Exchange (added to cheques)	16.93	
	Bank and Bond Interest	92.66	
	Sales - Publications	95.53	
	- Cloud Atlas	45.15	
	Miscellaneous	<u>9.65</u>	

Total Receipts: 3,343.17

Add - Bank Balance - 31 Dec 58 921.41 4,269.58

EXPENDITURES:

Postage	203.30
Bank Charges	24.91
Stationery	86.87
Purchase of Publications	54.85
Miscellaneous	31.65
Payments to:	
Toronto Centre	39.75
Montreal Centre	<u>45.75</u>

Total Expenditures: 487.08

\*Cash Balance December 31st, 1959  
(To balance sheet) 3,782.50 4,269.58

\*(Includes amount of \$2,610.07 paid to  
R.M.S. in January, 1960.)

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BALANCE SHEET - AS OF DECEMBER 31, 1959ASSETS:

Bank balance - December 31, 1959		
Bank of Montreal	202.85	
Royal Bank	<u>3,579.65</u>	3,782.50
Bonds - (Market Value, plus accrued interest, to December 31, 1959)		
\$1000. Gov't of Canada 3-3/4% - 1978	804.80	
\$ 300. Gov't of Canada 4-1/2% - 1983	<u>258.37</u>	1,063.17

INVENTORIES:

Postage stamps on hand	2.00	
Publication for sale	<u>9.00</u>	<u>11.00</u>

TOTAL ASSETS:4,856.67LIABILITIES:

FEEES:		
1959 - Payable to R.M.S.	2,610.07	
1960 - Paid in advance	12.50	
Rent payable for 1959 meetings -		
Toronto	8.00	
Montreal	<u>39.00</u>	
<u>NET LIABILITIES:</u>		2,669.57
Surplus - December 31, 1958	1,836.61	
Profit for 1959	<u>350.49</u>	<u>2,187.10</u>

TOTAL LIABILITIES AND SURPLUS:4,856.67

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The amount to be remitted to the Royal Meteorological Society includes their portion of 253½ Associates' fees and 70 Fellows' fees for 1959. Of these, nine Associates and two Fellows are under suspension for non-payment.

Assuming that the sterling rate of exchange remains at about \$2.70, the fees for 1960 will result in retention by the Canadian Branch of about \$1.50 per member. Expenditures at the current rate are approximately equivalent to this. Therefore extension of the activities of the Society in Canada will inevitably necessitate an increase in fees.

#### AUDITOR'S REPORT

I have studied the accounts of the Canadian Branch of the Royal Meteorological Society, and am satisfied that the Treasurer's report presents a proper statement of the Branch's financial status as of 31 December 1959.

A. High  
Auditor.

REPORT OF THE NOMINATING COMMITTEE

The Nominating Committee (R.H. Douglas, W.L. Godson and S. Orvig) presents the following slate of officers, to serve on the executive during the 1960-61 term:

President	- Mr. J.M. Leaver
Vice-President	- Prof. J.S. Marshall
Secretary (recording)	- Mr. B.W. Boville
Secretary (corresponding)	- Mr. R. Anderson
Treasurer	- Mr. H.M. Hutchon
Vice-President for Canada	- Dr. W.L. Godson
Councillors	- Mr. E.A. Barks (Moncton)
	Mr. L.B. MacHattie (Ottawa)
	Prof. B.W. Currie (Saskatoon)
	Mr. A.F. McQuarrie (Calgary)

It will be noted that, with the exception of the President, Vice-President and Councillors, all the proposed officers are nominated for a second term. Since the by-laws state that no executive members, with the exception of the Vice-President for Canada and the councillors, may hold the same office for more than two years, there can be no carry-over of office (apart from the above-noted exceptions) beyond the end of the forthcoming term. This will facilitate a change of locale of the Canadian Branch executive at that time, should this seem desirable.

(signed) R.H. Douglas  
Chairman.