

THE ROYAL METEOROLOGICAL SOCIETY

Canadian Branch

Annual Report of the Executive Committee, 1952.

1. The rapid growth of the Branch during the past few years levelled off in 1952. The membership at the end of 1951 was 338, and at the end of 1952 was 350.
2. 28 new members were elected, 27 Associates and 1 Fellow.
  - 2.1. There were 13 resignations, and 3 members met accidental deaths during the year.
  - 2.2. One member was transferred to the Canadian Branch from the U.K., and one was transferred out to the U.K.
  - 2.3. Of the 350 membership, 15 were carried on our records, but in accordance with a motion passed at the last Annual Business Meeting, were suspended from the distribution list of publications during 1952. They will be notified that unless they now pay up their back fees, for 1951 and 1952, they will cease to be members of the Society.
  - 2.4. 58 members have not paid 1952 fees, and will be suspended from the distribution list of publications until they pay up. It is expected that many of these delinquent members will pay their back fees early in 1953. Action to collect 1952 fees consisted of: routine notices mailed in the Spring; follow-up notices in September; follow-up notices in December, accompanied by a general letter; follow-up in January by letters from the President to delinquent members. It is recommended that next year's executive committee follow-up in the same manner, but start the action earlier, and also follow-up the suspended members more frequently.
  - 2.5. There are on hand thirty applications for membership, received at the end of the year.
3. While the growth of the Branch levelled off, it was in one way a good thing. The administrative work with respect to our present membership is sizable, considering that it is entirely done in addition to other full time duties. So it is well for us to have a chance to get thoroughly organized to look after our present

membership before we handle further substantial increases.

4. The 1952 Executive Committee consisted of:

President - F.W. Benum  
Vice President - D.C. Archibald  
Secretary - R.C. Graham  
Treasurer - A.H. Mason  
Councillors at Large - D.N. McMullen - Vancouver  
W.R. Fryers - Regina  
Dr. D.P. McIntyre - Toronto  
J.M. Leaver - Montreal  
P. Johns - Gander

Vice President for Canada  
on the Executive Council of  
the Parent Society - Andrew Thomson

4.1 This Executive Committee held five meetings in 1952 and one in 1953.

4.2 Assistant Secretaries were appointed by the Executive Committee as follows:

Editorial - P. Saltzman  
Public Relations - H.E. Chadburn, replaced by C. Mateer on  
Mr. Chadburn's transfer to Malton.

4.3 The following standing committees were appointed by the Canadian Branch Executive:

Referee Committee:

W.E. Turnbull - Convenor  
C.M. Penner  
M. Thomas

Scientific Papers Committee:

Dr. W.L. Godson - Convenor  
R.W. Longley  
D.H. Smith

Membership Committee:

F.D. Thompson - Convenor

By-Laws Committee:

F.W. Benum - Convenor  
P.D. McTaggart-Cowan  
C.C. Boughner

5. The Parent Society approved the recommendation that the election of Canadian Associates should become effective as soon as the applications are approved by the Canadian Branch. Accordingly our procedure since last June is as follows: Associates are, after any necessary investigation of the applicants, elected by the

Executive Committee of the Canadian Branch. The names are then forwarded to the Parent Society, and formal election is then made by the Council of the Parent Society, Inasmuch as ratification by the Parent Society is now mainly a formality, the Executive Committee of the Canadian Branch has greater responsibility to ensure that the applicants are suitable for membership. It would be desirable for the general meeting to direct the incoming executive as to whether they should continue the above procedure, or whether some other procedure is desired.

6. Perhaps the most important work of the Executive Committee last year was preparation for the Joint AMS - RMS Meeting in 1953. In 1952, each of the American Meteorological Society and Royal Meteorological Society received grants of \$3,750. from the Municipal Fund. The two Societies each earmarked \$3,000. of the Grant towards the expenses of delegates from Overseas to a Joint Scientific meeting to be held in Toronto in the late summer of 1953. The proposal for such a meeting was received with enthusiasm and our original estimate of a maximum of 150 guests was raised at the suggestion of the American Meteorological Society so that we are making preparations for 200 to 300 guests. The Canadian Branch executive last Spring took steps to reserve accommodation for the meetings in the Economics Building of the University, and living quarters in University residences. The dates that have been agreed upon for the meeting are September 9th - 15th, 1953.

6.1 To prepare for this Scientific Meeting a Joint Planning Committee was set up, with members from the Canadian Branch, the Parent Society, and the AMS. The Canadian Members are:

Mr. Andrew Thomson,  
Mr. P.D. McTaggart-Cowan,  
Dr. D.P. McIntyre,  
Mr. J.R.H. Noble.

The Committee set up in the U.K., consisted of Dr. G.D. Robinson, Professor P.A. Sheppard, and Dr. R.C. Sutcliffe. The American Meteorological Society appointed Dr. Seville Chapman, Mr. Touart, and Mr. Spengler to the Planning Committee. This Planning Committee is empowered to draft additional members at its discretion,

and to set up sub-committees. It is obvious that there will be plenty of work for all willing members of both Societies in the Toronto area during the coming year.

6.2 The Vice President for Canada on the Council of the Parent Society, Mr. Thomson, met last October with Sir Charles Normand, President of the Society, and the U.K. Members of the Planning Committee. A meeting of the Canadian and the United States members of the Committee was held in Toronto in December to make tentative plans, and we have every expectation that this will be one of the great scientific meetings in the history of Meteorology.

7. The bulk shipment of periodicals from the U.K. to the Canadian Branch Headquarters has not worked out as well as desired. Instead of the monthly shipments coming in as a unit, they often trickle in individual bundles and distribution is thereby delayed. Also there have been some losses that we have been unable to trace. We have reason to believe that part of the trouble is in the Canadian Customs Office and if we can find just where the trouble is occurring it would probably be simple to rectify.

7.1 The subsequent distribution is a fairly sizable task, and we can handle it only with the assistance of facilities of the Meteorological Division. The envelopes are addressographed and when sufficient of the publications are received from the U.K., we assemble a crew to fill the envelopes, staple them, stamp them, and check them on the distribution list. This is about 1/2 days work for two people. Sometimes it is a few days before the distribution team can be assembled, but if we can overcome the problem of getting the publications in promptly, we will be able to give pretty prompt service on distribution.

7.2 The mobility of Canadian Branch Met Members also creates a bit of a problem, and no doubt some publications are lost because members have moved without notifying us of the change of address. It would help greatly if all members would advise promptly in writing whenever their address is changed, or if the address presently used is incorrect.

8. Canadian Branch publications are still in demand. The Branch received

approximately \$45.00 for sale of publications in 1952. The covers of the Canadian Branch publications are now being printed instead of mimeographed, and we feel that both with respect to contents and appearances the Branch may be proud of their publications. All that is lacking is a name for them, and suggestions will be gratefully received.

9. The following meetings of the Canadian Branch were held at Toronto during 1952.

1. January 31st - 12th Annual Business Meeting of the Royal Meteorological Society, Canadian Branch.
2. January 31st - Mr. F.W. Benum presented his Presidential Address, "Meteorology and Aviation in Canada".
3. February 28th - Messrs. J.A. Chamberlin, Chief Aero-Dynamicist, and Mr. D.H. Rogers, Chief Test Pilot, of A.V. Roe, Canada, presented addresses on "The Design and Flying of Jet Aircraft".
4. March 27th - Mr. A. St.C.G. Grant, Meteorologist seconded to Department of Mines and Technical Surveys, presented an address "Some Meteorological Problems in Electronic Surveying".
5. May 1st - Messrs. R.A. Hornstein, OIC Halifax DPWO, D.G. McCormick, OIC, Hamilton Weather Office, and Mr. K.T. McLeod, Superintendent, Public Weather Services, presented a symposium "Weather in the Public Services".
6. May 29th - Dr. W.L. Godson, of the Meteorological Division Research Section, presented an address "The Determination of Radiative Fluxes Due to Atmospheric Water Vapour".
7. October 2nd - Dr. D.P. McIntyre, Head of the Research and Training Services of the Meteorological Division, presented an address "Energy and Instability in the Atmosphere".
8. October 30th - Mr. W.E.K. Middleton, Head of the Colorimetry and Optics Section at NRC and formerly head of the Instrument Section of the MSC, presented an address, "The Estimation and Measurement of Visual Range".
9. November 27th - Professor T.R. Loudon, Of the University of Toronto, presented an address on the Historical Development of Aviation in Canada, with particular reference to Meteorology.

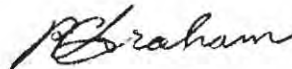
10. The third award of the President's prize in the Canadian Branch was announced at the Annual Meeting on January 31st. The prize, a copy of the "Compendium of Meteorology" was awarded to Mr. G.W. Robertson for his paper

"Low Temperature Fog at Edmonton Airport as Influenced by Gas Combustion".

11. The first and second Darton prizes were awarded as follows:

11.1 First prize, a precision hair hygrometer and thermometer, to Mr. F.E. Burbidge, for his paper entitled "The Modification of Continental Polar Air Over Hudson Bay".

11.2 Second Prize, an NPL tested solar radiation thermometer, to Dr. W.L. Godson, for his paper "The Synoptic Properties of Frontal Surfaces".



R.C. Graham,  
Secretary.

ROYAL METEOROLOGICAL SOCIETY

Canadian Branch

315 Bloor Street West  
TORONTO, Ontario

Dominion Public Weather Office,  
Malton Airport,  
Malton, Ontario,  
January 13, 1953.

Mr. R.C. Graham,  
Secretary, Royal Meteorological Society,  
Canadian Branch,  
315 Bloor Street West,  
Toronto.

At your request I submit herewith the annual report for 1952 of the Membership Committee.

The 1952 membership campaign was organized by requesting members of the Society at various centres throughout Canada to act as local representatives of the Membership Committee. As a result of the efforts of these representatives thirty-three applications for associate membership and one application for fellowship have been received to date. 30 of the applicants were professional meteorologists employed by the Meteorological Division. Two were members of the R.C.A.F. and one was a University student.

Yours very truly

(signed) F.D. Thompson,  
Convenor, Membership Committee.

REPORT OF SCIENTIFIC PAPERS COMMITTEE

The Scientific Papers Committee held one formal meeting, with full attendance, during the year 1952. Questions of policy were discussed and general agreement reached. It appeared inadvisable to commit the Canadian Branch to any new large-scale project at the present time in view of the joint AMS - RMS meetings scheduled for September, 1953. However, the general principle of an expanded country-wide attack on such problems as precipitation amounts, or maximum and minimum temperatures, was supported strongly.

In a letter to the members of the Canadian Branch, three media for publication of discussions and short investigations, hitherto largely neglected, were suggested, namely Shorter Contributions and Letters to the Editor in the Quarterly Journal, and Letters to the Editor in Weather.

The Scientific Papers Committee would like to suggest to the incoming executive that, to ensure maintenance of objective and program, it would be advantageous to permit a greater continuity of service on the Scientific Papers Committee than in the past. In addition, the selection of personnel such that meetings are readily feasible offers distinct advantages. Finally, the Scientific Papers Committee would welcome suggestions from the membership of the Canadian Branch which would enable the Committee to increase its usefulness to the Society, and to the Canadian Branch in particular.

(signed) Warren L. Godson,  
Chairman,  
Scientific Papers Committee.



ROYAL METEOROLOGICAL SOCIETY

CANADIAN BRANCH

January 21, 1953

ANNUAL REPORT OF THE BY-LAWS COMMITTEE OF THE CANADIAN BRANCH  
OF THE ROYAL METEOROLOGICAL SOCIETY

1. The increased size and activities of the Canadian Branch continue to call attention to the real need for bringing the By-Laws of the Branch up to date. Many changes are required to facilitate the handling of business and to ensure the continued successful expansion of the Branch.
2. Plans have been made for a joint meeting of the Royal Meteorological Society and the American Meteorological Society in Toronto during September 1953. As many of the Council members are expected to attend this meeting, an opportunity will present itself to discuss mutual problems and particularly the By-Laws of the Canadian Branch. We should not overlook this excellent opportunity for obtaining the guidance and assistance of the much greater experience of the Council members in formulating our new By-Laws.
3. Although the By-Laws Committee regrets to report that very little progress on the revision of the By-Laws was made during 1952, it feels that the opportunity presented for the Executive Committee to discuss the By-Laws with the Council members during their visit next September will more than offset the ill effects of the delays which have occurred.
4. It is recommended, therefore, that the incoming Executive give the problem of the revision of the By-Laws high priority in its activities during 1953. It is suggested that a draft of the new set of By-Laws be completed in time for discussion with the Council members who will be visiting Toronto next September.

*F.W. Benum.*

F.W. Benum  
Convener, By-Law Committee

FWB:RG

REPORT OF REFEREES COMMITTEE

Three Papers Were Presented to the Referees Committee in 1952  
as follows:

1. D.P. McIntyre - "Energy Transformation and Atmospheric Motion".
2. M.K. Thomas - "Winter Temperatures at Toronto".
3. M.K. Thomas - "Diurnal Variation of Precipitation Frequency  
in Canada".

The papers have been refereed.

No.1 was accepted and has been presented to the Canadian Branch.

The Referees comments on Nos. 2 and 3 had not yet been passed back  
to the Author at the time of this Report.

W.E. Turnbull,

Chairman,  
Referees Committee.

ROYAL METEOROLOGICAL SOCIETY

CANADIAN BRANCH

January 21, 1953

REPORT OF THE NOMINATING COMMITTEE

1. The Nominating Committee, elected by ballot, consists of the following members:

F.W. Benum - Chairman  
A.M. Crocker  
C.M. Fenner  
Dr. D.P. McIntyre  
C.C. Boughner

2. The Nominating Committee is pleased to announce the election of the following Executive Committee for 1953:

Officers - President, Dr. D.P. McIntyre  
Vice-President, D.C. Archibald  
Secretary, R.C. Graham  
Treasurer, A.H. Mason

Councillors at large - A.R. McCauley - Vancouver  
D.H. Smith - Edmonton  
J.M. Leaver - Montreal  
R.A. Hornstein - Halifax  
W.E. Turnbull - Malton

3. The Nominating Committee begs to submit the following nomination to be recommended to the Executive Council as Vice-President for Canada to take office on the 1st day of October, 1953 - F.W. Benum.



F.W. Benum, Chairman  
1953 Nominating Committee,  
Royal Meteorological Society,  
Canadian Branch.

FWB:RG

MINUTES OF THE ELEVENTH ANNUAL MEETING OF THE  
ROYAL METEOROLOGICAL SOCIETY, CANADIAN BRANCH

Held in Toronto, January 25, 1951

1. The Eleventh Annual Meeting of the Canadian Branch of the Royal Meteorological Society was held in Room 58, Economics Building, 273 Bloor Street West, Toronto, on January 25, 1951. Mr. P. D. McTaggart-Cowan called the meeting to order at 1530EST.

2. MINUTES OF PREVIOUS MEETING.

Copies of the Minutes of the Tenth Annual Meeting held on January 19, 1950, had been distributed to members in Toronto, together with the reports of the various committees, prior to the meeting. Dr. D. P. McIntyre, moved the adoption of the Minutes, which was seconded by Mr. H. E. Chadburn. The Minutes were approved without amendments.

3. REPORT OF THE EXECUTIVE COMMITTEE.

The President presented the report of the Executive Committee with a few explanatory remarks of the various items included. The Secretary moved that the Report of the Executive Committee be adopted. This was seconded by Dr. W. L. Godson and carried.

4. TREASURER'S REPORT.

Mr. M. K. Thomas, Treasurer, moved that the Treasurer's report be adopted. This was seconded by R. W. Fae and carried.

5. VOTE OF THANKS TO MR. F. J. BROMLEY.

Mr. Thomas moved a vote of thanks to Mr. Bromley who acted as auditor for the year 1950, and moved that the Secretary be directed to write a letter of thanks to Mr. Bromley. This motion received a hearty and unanimous approval of all members.

6. APPOINTMENT OF AUDITOR FOR 1951.

Mr. Benum moved that Mr. Fred Hughes be asked to act as auditor during 1951. This was seconded by Mr. Noble. Mr. Chadburn moved that nominations be closed and this was seconded by Mr. Rae. Mr. Hughes was appointed by acclamation.

7. REPORT OF MEMBERSHIP COMMITTEE.

In the absence of Mr. D. G. Black, the Secretary presented the Annual Report of the Membership Committee. The Secretary pointed out the recommendations made by Mr. Black that additional restrictions should be placed on the eligibility for membership in the Society to ensure that the calibre of the Society was maintained and that debts were not incurred by failure of semi-interested members to pay their dues. The President pointed out that eligibility rules required an interest in meteorology and sponsoring by Fellows and that, therefore, Mr. Black's suggestion was contrary to present rules. Dr. McIntyre stated that he felt that anyone demonstrating an interest in meteorology by coming forward and seeking membership in the Society should be accepted. After some discussion, it was decided that Mr. Black's recommendation be passed on to the incoming Executive Committee and the new Membership Committee for their study together with the suggestion that they forward a carefully worded circular letter to all members of the Membership Committee suggesting that they exercise discretion in sponsoring new members to ensure as far as practicable the active support of each new member.

The Secretary pointed out that he felt that Mr. Black was in error in including libraries, high schools, RCAF Squadrons, etc., for group memberships. He felt that this should read "for subscriptions to publications of the Canadian Branch and the Parent Society". This matter had been discussed between the Executive Committee and Mr. Black during the year, at which time, it was recommended that group memberships be avoided insofar as possible by recommending that any group should be asked to subscribe to the publications. The Membership Committee Report was amended by changing "for group memberships" to read "for group subscriptions". The Secretary moved that the Membership Committee Report be adopted. This was seconded by Mr. Chadburn and carried.

8. VOTE OF THANKS TO MR. D. G. BLACK.

Mr. J. R. H. Noble moved a hearty vote of thanks to the Membership Committee and to Mr. Black, in particular, for the very successful membership campaign carried out during 1950. The Secretary was also instructed to write a letter to this effect to Mr. Black. This motion received the unanimous approval of the meeting.

9. REPORT OF THE REFEREE COMMITTEE.

Dr. D. P. McIntyre, Convenor, presented the Report of the Referee Committee and moved its adoption. This was seconded by Mr. T. J. G. Henry and carried.

10. REPORT OF SCIENTIFIC PAPERS COMMITTEE.

The Secretary advised that the report of the Scientific Papers Committee had/been received. The Convenor of the Scientific Papers Committee had apparently mailed the report on January 5th, but it did not reach the Secretary. The Secretary was instructed to circulate a copy of the Scientific Papers Committee Report as soon as received with a request that all members forward their comments on this report as soon as possible so that these comments might be appended to the Annual Report. This was felt necessary as the work of the Scientific Papers Committee is very important to the success of the Society and the members should have an opportunity to comment on the progress which has been made. /not

11. REPORT OF THE BY-LAWS COMMITTEE.

The President presented the Report of the By-Laws Committee. He pointed out that the reasons for no action by this Committee during the year was due to the fact that the Parent Society By-Laws were in the process of undergoing revision. In addition, there was little point in doing anything about the Canadian Branch By-Laws until such time as a decision is reached by the Executive Council on the administrative and financial proposals made by the Canadian Branch. The President recommended that the incoming Executive Committee set up a By-Laws Committee for study and revision of the Canadian By-Laws as soon as circumstances will permit this work to be started.

Mr. Benum moved that the Report of the By-Laws Committee be adopted. This was seconded by Mr. M. K. Thomas and carried.

12. ANNOUNCEMENT OF THE WINNER OF THE PRESIDENT'S PRIZE.

The President announced that the Winner of the President's Prize was Flight Lieutenant K. R. Greenaway, RCAF, for his paper on "Experiences with Arctic Flying Weather". The President praised the high quality and the number of papers received by the Canadian Branch during the year. The President also made special mention of the excellent paper presented by Mr. F. E. Burbidge on "Modifications of Continental Air over Hudsons Bay".

13. PROPOSED FEES SCHEDULE FOR 1951.

The Treasurer outlined the proposal of the Executive Committee for the fees to be applicable to Canadian members during 1951. After some discussion of the new fees, the Treasurer moved that:

13.1. The contributions of the members in the Canadian Branch for the year 1951 shall be as follows:

- (a) Initiation Fee ..... \$2.45
- (b) Fellow's annual fee ..... \$8.65
- (c) Associate members annual fee \$6.75.

13.2. The By-Laws of the Canadian Branch are hereby amended respecting the amount of the contributions of the members:

The motion was seconded by Dr. W. L. Godson and carried.

14. SALE OF CANADIAN BRANCH PUBLICATIONS.

14.1. The Secretary presented the Executive Committee's proposals for setting a price on Canadian Branch publications as indicated in the draft motion attached hereto. The Secretary moved that:

14.1.1. The publications issued by the Canadian Branch shall have a price of 25¢ per copy and that this price shall be marked on all copies.

14.1.2. All publications shall continue to be free to Fellows and Associates belonging to the Branch. Also the Secretary shall be given discretionary power enabling him to send complimentary copies of the Branch publications to individuals, libraries, agencies and other parties when such action would be to the best interests of the Branch.

14.1.3. Authority shall be vested in the Executive Committee to set a higher price on special Branch publications.

14.2. This was seconded by Mr. Thomas and carried.

15. REPORT OF THE NOMINATING COMMITTEE.

The Secretary presented the Report of the Nominating Committee which consisted of:

- P. D. McTaggart-Cowan, Chairman
- F. W. Benum
- A. M. Crocker
- K. T. McLeod
- C. M. Penner

The following members were declared the Officers and Councillors-at-Large for 1951:

OFFICERS

President - F. W. Benum  
Vice-President - J. L. Knox  
Secretary - R. W. Rae  
Treasurer - M. K. Thomas

COUNCILLORS-AT-LARGE

D. Strachan - Vancouver  
S. J. Buckler - Edmonton  
A. B. Lowe - Winnipeg  
H. V. Tucker - Montreal  
G. R. Kendall - Moncton

The Secretary advised that all these members had been contacted and had indicated their willingness to accept the appointments.

16. VICE-PRESIDENT FOR CANADA.

The Secretary moved that Mr. Andrew Thomson be recommended to the Executive Council as Vice-President for Canada. This was seconded by Dr. McIntyre and carried.

17. The retiring President reported to the meeting on the tremendous load that had been carried by the Secretary and Treasurer during the rapid growth of the Society during the last two years. He expressed his gratitude and thanks to the hard working executives who had served with him over the past two years.

18. VOTE OF THANKS TO THE OUTGOING EXECUTIVE.

Mr. H. E. Chadburn moved a hearty vote of thanks to the outgoing Executive for the success of the Society during 1950. He pointed out the substantial growth in membership during the year and the increased interest which had been displayed in the activities of the Canadian Branch. He pointed out that he felt that the new format of the publications and the increased activities of the Branch were to be commended and hoped that these would be carried out by the incoming Executive. The motion received the unanimous approval of the meeting.

19. ADJOURNMENT.

Mr. H. H. Bindon moved that the meeting adjourn. This was seconded by Mr. Chadburn and carried.

20. The meeting adjourned at 1645EST.

..... *F. W. Benum* .....  
Secretary

..... *Andrew Thomson* .....  
President