

ROYAL METEOROLOGICAL SOCIETY

CANADIAN BRANCH

A G E N D A

17th Annual Meeting of the Royal Meteorological Society
Canadian Branch
Thursday, February 7th, 1957

1. Approval of Minutes of 16th Annual Meeting.
2. Report of Executive Committee for 1956.
3. Report of Scientific Papers Committee.
4. Report of Membership Committee.
5. Report of By-Laws Committee.
6. Report of Treasurer.
7. Appointment of Auditor for 1957.
8. Report of Nominating Committee.
9. Report of President's Prize Committee.
10. Report of the Montreal Centre.
11. Report of the Winnipeg Centre.
12. Business arising from Reports.
 - 12.1. Establishment of Fees for 1957.
 - 12.2. Changes in By-Laws.
 - 12.3. Popular Lecture Programme.
 - 12.4. Development of Canadian Branch Publication.
 - 12.5. Other business.
13. New Business.
 - 13.1. Increase in rates of Quarterly Journal.
 - 13.2. Other new Business.

ROYAL METEOROLOGICAL SOCIETY

Canadian Branch

MINUTES OF THE 16TH ANNUAL BUSINESS MEETING OF THE
CANADIAN BRANCH OF THE ROYAL METEOROLOGICAL SOCIETY

1. The Meeting opened at 11 a.m., January 31st, 1956, in Room 61 of the Economics Building of the University of Toronto, with the President, R.C. Graham, in the Chair.
2. Minutes of the 15th Annual Business Meeting were reviewed and it was moved by A.M. Crocker and seconded by C.M. Penner that the Minutes of the 15th Meeting be approved. Carried.
3. The report of the Executive Committee for 1955 was then reviewed by the Chairman. It was moved by the Secretary and seconded by F.W. Benum that the report be adopted as presented. Carried.
4. The report of the Scientific Papers Committee was read by the Secretary in the absence of B.W. Boville, Convenor. After a short discussion, chiefly concerning the Pre-Conference Symposium on Meteorology, which was considered to have been a very successful event, it was moved by F.W. Benum and seconded by W.L. Godson that the report be adopted. Carried.
5. The report of the Referee Committee was read by the Secretary in the absence of K.F. Harry, Convenor, and it was moved by C.M. Penner and seconded by F.W. Benum that the report be adopted. Carried.
6. The report of the By-Laws Committee was presented by the Convenor, M.K. Thomas, who gave additional background on the aims, effort and thought which had been put into a set of revised By-Laws which are now available to the Executive. The positive contribution by the By-Laws Committee appointed this year was noted with approval and on a motion by Mr. Thomas, seconded by J.G. Potter, the report was adopted.
7. The report of the Membership Committee was read by the Secretary in the absence of B.V. Benedictson, Convenor. The sincere efforts on the part of the Convenor of this Committee were noted by the Meeting and it was moved by the Secretary and seconded by R. Lee that the membership report be adopted. Carried.

8. The Treasurer's report was presented by J.G. Potter, Treasurer. He explained in some detail the form and content of the Treasurer's report, pointing out slight changes from past procedures which had been used in some instances on the recommendation of the Auditor, to make the report as realistic as possible. It was noted that a \$1,000.00 bond had been purchased from surplus funds and that of the thirty members now suspended a number were expected to retain their membership by payment of fees. Provision had been made for this possibility in the Assets and Liabilities section of the report. It was moved by the Treasurer and seconded by D.W. Boyd that the report be adopted. Carried.

9. Mr. Potter, the Treasurer, pointed out that the Auditor, Fred Hughes, was at this time of year exceptionally busy auditing financial reports and carrying an extra load of routine duties. Auditing the Canadian Branch Treasurer's report had proved to be a difficult additional task to handle. The Treasurer therefore recommended that for the coming year the auditing be handled by two; one of whom would be a member of the Canadian Branch with some experience in preparation of financial reports. He then moved that the Auditors for the coming year be M.K. Thomas and T.B. Elliott. This was seconded by D.W. Boyd. Carried. The Treasurer then moved, and the members heartily supported a vote of thanks to the Auditor, Mr. Hughes, for his assistance and the Secretary was instructed to express our appreciation to Mr. Hughes.

10. The President, R.C. Graham, then presented the report of the Nominating Committee. It was moved by F.W. Benum and seconded by W.L. Godson, that the Nominating Committee report be accepted and that paragraph 3 of the report be adopted. Carried. The President expressed his appreciation on behalf of the Canadian Branch for the very considerable efforts that had been given to Canadian Branch work on the part of the retiring Secretary and Treasurer.

11. The report of the President's Prize and Darton Prize Committee was presented by R.C. Graham. Moved by R.C. Graham and seconded by D.P. McIntyre that the recommendations be approved and that the report be adopted. Carried.

12. The Treasurer then outlined the fee structure and discussed expenses covering operations of the Canadian Branch. The Parent Society has been able to maintain a fixed annual fee for many years. The payments made to the Society are 85% of the fees as set by the Parent Society for each Fellow and Associate. This amount fluctuates with the value of the £ sterling which increased in value by about 10¢ during the past year. During 1955 only about \$1.15 out of the \$8.65 fee paid by Fellows, and \$2.60 from the \$6.75 fee paid by Associates were available for the Branch. In the coming year expenses associated with the Centres will be higher now that the Winnipeg Centre has been organized. The

6.75
2.45
9.20

- 3 -

possibility of changing the method of financing the Centres has been under the consideration of the Executive Committee. Under our current method, and allowing for a slight further increase in the value of the pound sterling, we should break even or have a slight surplus if no change is made in our fees for 1956. The Treasurer moved that the 1956 fees be set at the same amount as last year, that is Fellow - \$8.65, Associate - \$6.75 and Initiation Fee - \$2.45. This motion was carried.

13. The popular lecture program held in November was discussed at some length and various members expressed their opinion with regard to the response of the public, the type of program, and various reasons for non-attendance. It was suggested that the number of outsiders attending the two meetings held so far was about the same, although a considerably larger number of members, their friends and relatives attended the first meeting. Dr. McIntyre emphasized the need for careful attention to early advertising, stressing the need for members to spread the advice around about the meeting and recommended varying the type and style of the poster. Mr. Thomas suggested that a successful popular lecture might well require considerably more effort and financial outlay on the part of the members. It might be better to direct these efforts to the improvement of the Canadian Branch and improving the Toronto Meetings. After considerable discussion it was moved by D.W. Boyd and seconded by C.M. Penner that the 1956 Executive be responsible for making the best decision possible in the light of this discussion.

14. There was some discussion on the question of an enlarged Canadian Branch publication. The problems involved in making our publication into a more informative type were reviewed and after comments by various members it was agreed that the present type of Canadian Branch publication should be enlarged to include information from Centres, and comments from members as well as abstracts or texts covering talks given at meetings. The next Executive will be guided by this recommendation.

15. Co-ordination between the Canadian Branch and the Centres was discussed and it was recommended that the Centres be invited to submit texts or resumes of talks and discussions at meetings to the Editor, who would then edit this material for the Canadian Branch publication. The Executive was requested to explore any problems which might arise due to increased size of the Canadian Branch publication. It was noted that the Montreal Centre is now being charged room rent on the basis of a per capita rate rather than a fixed charge, such that their charges for meetings vary. It was indicated that a maximum charge of ten dollars had been visualized. It was moved by F.W. Benum and seconded by A.M. Crocker that the Executive be given discretionary powers to handle costs of meetings and associated expenses at the Centres. Carried.

ROYAL METEOROLOGICAL SOCIETYCANADIAN BRANCHANNUAL REPORT OF THE EXECUTIVE COMMITTEEFor 1956

1. The Executive Committee is pleased to report a further year of expansion. Membership growth has continued to increase. Activities have expanded at the Montreal Centre and at the Winnipeg Centre, formed in 1955. In Toronto, a highly successful Second National Meeting of the Royal Meteorological Society, Canadian Branch was held in October, attended by several members from across Canada.
2. Membership, up over last year, stood at 360 at the end of the year. A short but effective recruiting campaign carried out by the Membership Committee Chairman resulted in an increase of twelve new members over 1955, of whom four were Fellows.
 - 2.1. There were three resignations during the year, one Fellow and two Associates.
 - 2.2. Four transfers were arranged, including two Fellows from U. K. to Canada and two from Associate to Fellow.
 - 2.3. The Committee records with sorrow the death of Dr. J. Patterson on 22nd February 1956, elected into Fellowship in 1920.
 - 2.4. Suspensions arising from non-payment of 1956 were unusually high. As of December 31st, thirty-seven members had still not paid their 1956 fees. In addition, there are twenty-five members who were suspended in 1955. Action taken to collect fees consisted of routine notices mailed at frequent intervals throughout the year. However, results have been disappointing. It seems highly desirable that a simpler arrangement can be made for collecting fees, as for example, in some locations, a member could collect all fees and send them in simultaneously. This would greatly help the Treasurer and the Canadian Branch.
 - 2.5. The Executive again processed only those applications for membership which were followed up or accompanied by full payment of fees. Therefore, no confusion has arisen during the year with regard to actual membership as compared to occasions in the past when applicants failed to follow up after submitting an application.
3. There has been some difficulty experienced with delivery of bulk shipments of publications from the United Kingdom, leading to undesirable delays in redistribution to members of the Branch. The usual excellent co-operation of Meteorological Headquarters Staff and availability of its facilities provided a real asset in effecting the redistribution of periodicals.

4.

The 1956 Executive Committee consisted of:

President - R. C. Graham
 Vice-President - Dr. W. L. Godson
 Treasurer - C. Goodbrand
 Secretary - R. Lee

Councillors-at-large - Chairman of the Montreal Centre
 - Chairman of the Winnipeg Centre
 - H. Cameron
 - R. V. Tyner
 - L. B. Foster

Vice-President for Canada on the Executive Council of
 the Parent Society - Dr. D. P. McIntyre

4.1. Assistant Secretaries were appointed by the Executive
 Committee as follows:

Public Relations Secretary - T.W.R. Allen
 General Assistant Secretary - N. Grundy

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

Scientific Papers Committee:
 H. Cameron - Convenor
 G. H. Gilbert
 G. W. Robertson

By-Laws Committee:
 M. K. Thomas - Convenor
 G. R. Kendall
 D. W. Boyd

Membership Committee:
 B. W. Boville

Editor:
 M. K. Thomas

Programme Convenors:
 F. W. Benum
 H. H. Bindon, appointed Sept. 1956

5. The Montreal Centre continued to hold well-attended lecture-
 discussion meetings during the year and, with the active participation of McGill
 University personnel, the Activities of this Centre were broad in scope and well-
 supported by Montreal members.

The following officers comprised the Executive Committee:
 Paul Johns - Chairman
 Dr. T.W.R. East - Secretary
 Michael Kwizak - Treasurer

Following the transfer of Paul Johns to Toronto in early fall,
 Dr. East and Mr. G. H. Washburn were elected Chairman and Secretary, respectively.

6. The Winnipeg Centre, which was organized in 1955, reports a year of expanding activities, with the enthusiasm of the members being maintained by the Councillor-at-large and the Winnipeg Executive. The Winnipeg Centre elected the following Executive Committee for 1955-56:

Honorary Chairman	- D. M. Robertson
Chairman	- S.V.A. Gordon
Vice-Chairman	- D. S. McGearry
Secretary	- M. Hardman
Treasurer	- R. Holbrook

7. In accordance with the recommendation of the 16th Annual Business Meeting of the Canadian Branch of the Royal Meteorological Society, the Executive Committee amalgamated the Scientific Papers Committee and the Referee Committee and named it the Scientific Papers Committee. The position of Editorial Assistant Secretary was changed to Editor and retained as a separate Office.

8. It was decided not to hold a popular lecture programme in 1956. Rather, a Committee under the Chairmanship of Mr. A. G. MacVicar, with Messrs. P. P. Saltzman, M. K. Thomas and Dr. W. L. Godson, ex officio, as members, was appointed to study all possible media of Public Education in meteorology and to present the results of its findings and recommendations to the Executive Committee for planning similar events in the future.

9. The Executive Committee and the Convenor of the By-Laws Committee held a series of meetings in the fall to consider in detail the draft revisions of the Canadian Branch By-Laws. After detailed examination, amendments were made to the draft proposal and referred back to the By-Laws Committee for consideration.

10. The following meetings were held in Toronto during 1956:-

February 2.....R. C. Graham - "Meteorology - A World Endeavour"

February 23.....Dr. E.B. Kraus - "Technical and Theoretical Aspects of Climate Fluctuations"

April 4.....A Panel discussion by:

Daniel Buhl)	
Frank Brane)	
Joseph Clodman)	"Meteorology and Gliding"
Ted L. Wiacek)	
Moderator :		Frank W. Benum

May 3.....Dr. W.L. Godson - "The Interplay of Gravity and Diffusion in Atmospheric Pollution"

May 31.....A Panel discussion by:

J. E. Michie)	
K. T. McLeod)	"Wind, Weather and Whitecaps - The
R. C. Graham)	Problems of Small Craft"

September 27...R. Lee and W. L. Godson - "The Arctic Stratospheric Jet Stream during the Winter of 1955-56"

October 18....."The Second National Meeting of the Royal Meteorological Society, Canadian Branch".

Four papers were presented:

D.W. Boyd and G.R. Kendall - "The Statistics of Extreme Values"

E.H. Gowan, S.J. Buckler and C.E. Thompson - "Preliminary Report on Ozone Changes 1950-54 over Edmonton"

T.J.G. Henry - "Numerical Forecasting on FERUT".

B.W. Boville and M. Kwizak - "500-mb Prediction by Graphical Techniques"

Moderator: Dr. Warren L. Godson

November 29.....H. H. Bindon - "A Survey of Hygrometry"

The second National Meeting of the RMS, Canadian Branch, held in Toronto on October 18th, was patterned along the lines of the Symposium on Meteorology held in Montreal on October 14, 1955. It was a highly successful venture and it is hoped that this medium of communication in Meteorology will be continued and encouraged by the next Executive.

11. This year, there will be four Canadian Branch Publications printed. As of December 31, one had appeared, while three others were in the production stage in printing. Of these three, one contains four papers presented at the Second National Meeting in October. The Executive is pleased to have received the first paper presented at a Centre meeting for the Canadian Branch Publications. It is hoped that the next Executive will continue the policy of encouraging authors to publish the texts of their lectures in the Branch Publications.

12. The Executive considered the problem of establishing a separate Toronto Centre so that the Branch Executive Committee would handle Canadian Branch affairs from a national viewpoint and another committee would handle Toronto affairs. This separation would also enable the Executive to be located elsewhere in Canada.

From correspondence with the Parent Society, it was found that the idea of forming a separate London Centre of the Royal Meteorological Society had not been entertained simply because it would be extremely difficult to operate the Society from another location. Parallel with the Parent Society viewpoint, the Canadian Branch Executive considered that advantages of retaining the National Executive in Toronto included the following: the facilities of the Meteorological Branch are conveniently available to the Society in matters of stenographic and clerical assistance, distribution of periodicals, printing (notices, publications, member's list, etc.); the location of the Executive where these facilities are available is a district advantage; it allows continuity of the Executive, by overlapping terms of office; if the Executive remained in Toronto, it was thought preferable not to separate the administrative

activities of the Society from its scientific activities. Finally, regular Branch activities in the Toronto area have hitherto been arranged with a view to providing published material to all members on a nationwide basis as well as catering to those who can attend in person. The desirability of locating the Executive at other places in Canada was considered by the Committee. However, it is believed at the present time that there is no location at which comparable facilities can be made available to the Society on the same basis as at Toronto. Consequently, as of 31 December, no action has been taken to organize a separate Toronto Centre.

This Committee recognizes the advantages in having greater field representation in the Branch Executive, and would welcome suggestions as to how this can be conveniently undertaken.

13. The Presidents' Prize for 1955 was announced at the Annual Meeting and awarded to Messrs. B. W. Boville, W. S. Creswick and J. J. Gillis for their paper entitled "A Frontal Jet - Stream Cross-section" which was presented at the Montreal Centre and appeared in the August 1955 issue of *Tellus*.

14. The First Darton Prize was awarded to R. Lee for his paper "Synoptic Evidence for a Direct Circulation about a Jet Stream", which appeared as a shorter contribution in the July 1955 issue of the *Quarterly Journal, R.M.S.*

The Second Darton Prize was awarded to Messrs. R. Anderson, B. W. Boville and D. E. McClellan for their paper "An Operational Frontal Contour Analysis Model" which was published in the October 1955 issue of the *Quarterly Journal R.M.S.*

15. In conclusion, the year 1956 was successful in several respects: substantial progress has been made toward the revision of the Canadian Branch By-Laws; there has been a marked expansion of activities at the Centres, particularly at Winnipeg; a successful Second National Meeting of the Branch was held in Toronto. Finally, the Executive Committee would like to thank all those who have co-operated in promoting the interests of the Branch.

R. Lee
Secretary

ROYAL METEOROLOGICAL SOCIETYCANADIAN BRANCHREPORT OF THE MEMBERSHIP COMMITTEE - 1956

1. A letter outlining some of the advantages of membership in the Society was sent to every non-member meteorologist (including meteorological officers).
2. This type of campaign appears to be most effective when followed up by personal contacts at the time of some professional activity (i.e., R.M.S. meeting or local seminar).
3. The total number of members as of December 31st were:

1955 - 351
1956 - 360

Respectfully submitted,

(B. W. Boville)
Chairman

Annual Report of the By-Laws Committee
Canadian Branch, Royal Met. Society, 1956

The By-Laws Committee 1956, with the same membership as in 1955, was relatively inactive during the year. As stated in the Annual Report of the By-Laws Committee 1955, the proposed By-Laws were submitted to the Executive Committee of the Canadian Branch of September 23rd, 1955.

During November and December of this year the Chairman of the Committee attended three meetings of the Executive Committee where the proposed By-Laws were examined paragraph by paragraph. Changes and amendments suggested by the Executive Committee are being studied by the By-Laws Committee.

(signed)

M. K. Thomas

G. R. Kendall

Donald W. Boyd

WINNIPEG CENTRE
ROYAL METEOROLOGICAL SOCIETY
CANADIAN BRANCH

ANNUAL REPORT 1956

The idea of forming a local centre of the Royal Meteorological Society developed after the excellent attendance at a talk given by Dr. McIntyre in late 1954. It was evident that meteorologists were willing to drive the 50 and 100 miles from Portage and Gimli to attend a talk on meteorology.

With the cooperation of Mr. Benedictson of Gimli, Mr. Holbrook of Portage, Mr. Hardman at R.C.A.F. Station Winnipeg and Mr. Lowe at Winnipeg, we formed a group which requested permission from the Canadian Branch Executive to form a centre. With the permission of the Executive a nominating committee was elected by interested members and at our first meeting, held December 1st 1955, a local executive was elected.

Honourary Chairman	-	D. M. Robertson
Chairman	-	S.V.A. Gordon
Vice Chairman	-	D. S. McGeary
Secretary	-	M. Hardman
Treasurer	-	R. Holbrook

We were fortunate in having Mr. R. C. Graham, the president of the Canadian Branch for our first speaker. His talk on international aviation with emphasis on the WMO Conference in Manila gave the initial push needed to start a centre.

The second meeting of the Centre was a supper meeting held February 18th. At this meeting two illustrated talks by local members were given. Mr. Lowe spoke on his trip through the Northwest Passage on H.M.C.S. Labrador. Mr. G. Bristow spoke on his tour of duty on H.M.C.S. Magnificent. We were fortunate in having as our guest Dr. McIntyre - Vice-President for Canada of the Parent Society.

A third meeting was held June 2nd in the Library of United College. The speakers were again local members. Mr. Hopkins of the McDonald Station gave an illustrated talk on his experiences at R.C.A.F. stations in Europe. Mr. McKay gave his paper on a "Method of temperature prediction."

It should be noted here that the "year" of the Winnipeg Centre has been set as being from September to September. This is due to the large changes of staff which can occur during the summer months. The period November to May usually has few postings.

The first meeting of the 1956-57 season was a supper meeting held October 6th. At this meeting the Honourary Chairman Mr. Robertson gave a talk on future developments in the Meteorological Service for the coming year as gleaned from the recent O.I.C. Conference in Toronto.

At this meeting the following officers were elected for the year 1956-57:

Honourary Chairman	-	D. M. Robertson
Chairman	-	S.V.A. Gordon
Vice Chairman	-	D. S. McGeary
Secretary	-	A. Reimer
Treasurer	-	P. R. Kowal

At the general meeting a suggestion was made that a Get-Together dance be held in December. This dance, held December 1st under the auspices of the centre was an unqualified success due to the work of the committee under Mr. L. C. Oddy.

We hope to hold our next meeting in early February with Mr. P. D. McTaggart-Cowan - Chief, Forecast Division as guest speaker.

A further meeting is planned in April or early May with local speakers.

Meetings at the centre have been well attended. At our first meeting, held in a blizzard at Winnipeg, two men drove the 50 miles in from Gimli and one flew via R.C.A.F. in from Portage. The remaining meetings have averaged close to twenty members. This compares favourably with the membership of the centre which varies near thirty. The three larger offices are on 24-hour duty.

For a meeting place, we have used the Library of United College where the rental fee of five dollars has been paid by the Canadian Branch. Unfortunately no refreshment may be served in the building but members usually adjourn to a nearby restaurant. The supper meetings have been very popular. These are held at the Homestead - a local restaurant. Here the price of the meal allows the use of the room for the rest of the evening.

The interest shown by members in the Winnipeg Centre augers well for the future of the society. The relatively small effort in the forming of a centre has resulted in the increased cooperation of all the various offices in the area, an increased interest in meteorology and the identification of its members as a professional group.

S.V.A. Gordon,
Chairman.

MONTREAL CENTREROYAL METEOROLOGICAL SOCIETYCANADIAN BRANCHANNUAL REPORT 1956

The 1956 meetings of the Montreal Centre were held in the Faculty Club of McGill University again this year. The membership of the Greater Montreal area is at present 48 and the average attendance per meeting during the year was 29.

The Canadian Branch has contributed \$47.50 for a room and a projector for the first five meetings (accounts for the meetings in November and December are still outstanding). The cost of refreshments and other incidental expenses were defrayed by collections taken at the door.

The Montreal Executive Committee appointed an observer to present its Annual Report at the 1956 Annual General Meeting of the Branch in Toronto. He was unfortunately unable to be present because the meeting was held without notice.

The following officers comprised the Executive Committee:

Paul Johns, Chairman
 T. W. R. East, Secretary
 Michael Kwizak, Treasurer

T. W. R. East was elected Chairman and G. H. Washburn Secretary following the transfer of Paul Johns to Toronto in the early fall.

The following is a resume of the meetings and activities in which the members took part:

- Jan. 27 Radar Studies of Snow Formation: Dr. K. L. S. Gunn of the Stormy Weather Group of McGill University.
- Feb. 2 Members were invited to attend a talk by Dr. E. B. Kraus, well known for his work on precipitation in Australia, in the Physics Building, McGill University.
- Feb. 17 Meteorology and Water Supply: Mr. H. M. Finlayson of the Shawinigan Water and Power Co., Montreal
- Mar. 23 Nature an Indication of Climate: Mr. Hugh Cameron, Staff Meteorologist, Army Headquarters, Ottawa.
- Apr. 24 Thunderstorm Electricity: Mr. B. J. Mason, Dept. of Meteorology, Imperial College of Science and Technology.

MONTREAL CENTREROYAL METEOROLOGICAL SOCIETYCANADIAN BRANCH

- Jun. 11-16 Members took advantage of the presence in Montreal of the Annual Meetings of the Royal Society of Canada and the Canadian Association of Physicists, at the University of Montreal. A whole morning's session was given over to meteorology and those present heard papers presented by: T. W. R. East, M. P. Langleben, W. L. Godson and R. H. Douglas. Preparations for the I. G. Y. and some other geophysical topics were presented at other sessions.
- Oct. 26 Meteorological Conferences of 1956: Dr. W. L. Godson, of the Research and Training Division, Meteorological Headquarters, Toronto.
A New Approach to Solar Weather Relations: Mr. P. D. McTaggart-Cowan, Chief, Forecast Division, Meteorological Headquarters, Toronto.
- Nov. 23 Numerical Weather Prediction: Dr. M. Estoque, Geography Dept., McGill University.
- Dec. 7 The Structure of the Stratosphere: Dr. A. W. Brewer of The Clarendon Laboratory, Oxford.

December 15, 1956

Chairman