



# C.M.O.S. NEWSLETTER

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As your new President, I would first like to thank all the outgoing officers of the Society, especially the retiring members of the Executive, of committees, and the Newsletter editor for their work and efforts on behalf of the Society during the last year. I would also like to thank all those individuals involved with the planning and arrangements for the 13th Annual Congress. We had an excellent Congress with good attendance at the sessions and other activities, and the commercial displays were well received. Concerning the latter, perhaps similar extensive displays can be considered at future Congresses when other regional firms or companies might have an interest in displaying or discussing their products with Congress participants. Next year's Congress will be in Toronto which will be a large meeting as we will be sharing with several other groups including the American Geophysical Union. In 1981 our Congress will probably be in Saskatoon.

The meeting of Council on May 29 considered an extensive agenda including items dealing with the establishment of new Centres and Chapters, establishment of a new Membership Committee, a review of our somewhat perilous financial situation, and the recommendations of the ad hoc committee on meteorological consulting standards and special interest groups. These items will be noted elsewhere in the Newsletter.

With respect to the last item, however, I hope all members will consider, during the next few months, the pros and cons of establishing specialist or interest groups within the framework of the Society. (See June Newsletter 1979, p. 9). The Executive will welcome feedback from individuals and Local Centres so that the item can be discussed fully at the February Council meeting. Please let us have your comments.



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Those of you who attended the AGM or the Council meeting at the recent Congress will be aware that the Society was inviting input and endorsement for two important letters being drafted to, hopefully, reinforce the position of the atmospheric sciences in Canada. We thank those of you who offered comments; the letters have now been mailed, one to the Prime Minister, his cabinet and the opposition parties, and the other to the President of NSERC with copies to the Minister of MOSST and ADM, AES. These expressions of our concerns for the continuing advancement of the atmospheric sciences arose from recommendations originating with the Scientific Committee last November and from the strongly held belief of Council that the Society, if it is to fill its mandate that it "exists for the advancement of meteorology and oceanography", must be prepared to play an active role in all affairs touching on meteorology and oceanography in Canada.

The Society's new executive team will be having their first meeting on July 6th by which time the day to day affairs on the Society will be well consolidated in Edmonton. Joining the new executive for this meeting will be the new Chairman of the Standing Committee on Public Information, Joe Kotylak, AES Western Region. I hope all the members can bring to his attention, or the Centre representative on his committee, items on meteorology or oceanography presented in the public media or items and concerns that the Society should bring before the public special interest groups.

This issue of the Newsletter is the first under the Editor, Av Mann, and I hope all members will support his endeavours to bring out a timely and interesting issue every two months. With your help, we can make the Newsletter an important communication vehicle for the Society membership.

#### WELCOME TO THE NEW CMOS PRESIDENT - DR. JOHN M. POWELL

John came to Canada from England in 1956 to do graduate work at McGill University under Dr. F. Kenneth Hare. This led, subsequently, to studies at the McGill Sub-Arctic Research Station at Schaefferville, Quebec, and to participation in Arctic Meteorology Seminars at Stanstead College in 1957.

In late July of that year, he became a member of a team of four meteorologists to spend a year at Lake Hazen as part of the IGY Expedition to Ellesmere Island. He was also assistant botanist on the expedition and subsequently wrote his M.Sc. thesis on "The Climate Conditions Affecting the Vegetation of the Lake Hazen Area". He returned to Ellesmere Island in 1959 under the sponsorship of the Arctic Institute of North America to continue his botanical studies and on that occasion had an opportunity to work with Brian Sagar, recent CMOS corresponding secretary, with his glacio-meteorological studies.

Later in 1959, he joined the Forest Biology Laboratory in Calgary where he worked on a variety of projects relating to climate problems in entomology, pathology, and forestry and environmental impact studies in Alberta and Southern British Columbia including aspects of climate change in B.C. In 1967-68 he taught a graduate course in Biogeography at the University of Calgary and in 1969 his studies culminated in a Ph.D. from the University of British Columbia. The subject of his dissertation was "The Aerobiology of the Comandra Blister

Rust on Lodgepole Pine". He moved to Edmonton with the Canadian Forestry Service when the Northern Forest Research Centre was established in 1970 and presently is the Project Leader for Climatic Studies at the Centre. John became a Fellow of the Royal Meteorological Society in 1960 and transferred membership to the Canadian Branch in 1961. He was the Calgary representative of the Alberta Centre for a few years and Secretary of the Alberta Centre in 1972 and served on a local planning committee for the 2nd and 6th Annual Congress.

He has also been a member of the Alberta Climatological Association since its establishment in 1967 and the chairman for the past three years. He is a member of Alberta Agrometeorology Advisory Committee and was a Canadian delegate to the WMO 3rd commission for Agricultural Meteorology in 1962, and the WMO Symposium on Distribution of Precipitation in Mountainous Areas in 1972.

Over the past ten years, he has served on a variety of provincial, federal, and international committees, organized climate and forest ecology related symposia and authored or co-authored over 120 scientific papers and reports.

It is with great pleasure that we welcome Dr. John M. Powell as CMOS President and look forward to working with him in the future.

#### XIII CMOS CONGRESS - Victoria, B.C.

The hosts of XIII CMOS Congress and, particularly, Richard Bennett, Rick Thompson, and Rick Wilson who looked after local and programme arrangements deserve a lot of credit for a well run and very productive Congress. The weather in Victoria was more than cooperative for this event and nearly everyone we spoke to, who didn't hail from the coast, planned to remain for a few days to take in the climatic and scenic favors which are so sparingly bestowed on other parts of the country.

The Council Meeting on May 29 and the Annual General Meeting on May 30 considered and dealt with many items of importance to the Society. Some of these were:

- new Centres were formed for Vancouver Island, Rimouski, and Saskatchewan. The Rimouski Centre will have major responsibilities for Society oceanography activities for the area of Quebec east of Quebec City. The Quebec Centre will concentrate on meteorological activities for the same area. The Saskatchewan Centre has been formed by combining the former Regina Centre and Saskatoon Chapter.
- new Chapters have been established for New Brunswick and Newfoundland. The New Brunswick Chapter, under the leadership of Bob Dickison, will host the Second Conference of Meteorology of Northern New England and the Maritimes, March 21-22, 1980 in Fredericton.

- financial problems of the Society were discussed at some length and it was evident that the financial constraints of the federal government were being immediately reflected in the operation of the Society. Without the Natural Sciences and Engineering Research Council (NSERC) grant to the publication of ATMOSPHERE-OCEAN and a potential cutback of AES support in a period when operating costs are increasing causes real concerns. It is proposed to meet those constraints by a combination of reduced expenditures, increasing revenues (by carrying advertisements in ATMOSPHERE-OCEAN), and by an increase in membership fees.
- new membership fee structure effective January 1, 1980 was approved as follows:

Student	\$10
General	\$30
Institutional	\$30
Sustaining	\$60

- re-establishment of the Membership Committee was approved. This committee will have representation from each Centre and will actively promote recruitment of new members. It is expected that it will work closely with the new Financial Development Committee to seek ways in which the financial structure of the committee can be placed on a more stable basis.
- the concept of Specialist Groups within the Society was approved and agreed that discussion on this topic should be solicited from members. You may refer to the June Newsletter, p. 9 for details on how such a system can operate. The Executive will welcome any feedback directly or through the Newsletter.
- results of the ad hoc committee set up to review and evaluate the recommendations on Meteorological Consulting Standards in Canada, actively chaired by Randy Angle, were presented to both Council and AGM. Work is going ahead on these recommendations and if any member would like a copy of the report prepared by the ad hoc committee, please contact the Corresponding Secretary, Dave Fraser at the address shown for the Newsletter editor.
- a group of Marine Scientists from the People's Republic of China attended XIII CMOS Congress as an extension of a two week Canadian technology exchange visit. The group included a biologist, a geophysicist, two physical oceanographers, two administrators, and an interpreter who is employed in China as an environmental protection scientist. Leo O'Quinn, Secretary of the Canadian Committee on Oceanography, arranged for their attendance at the XIII CMOS Congress.
- Mike Newark, editor of Chinook, outlined to Council the nature of his meteorological magazine and offered to cooperate with CMOS in the promotion of meteorology. Subsequent discussions and correspondence have more clearly defined areas of mutual interest and

brought out an attractive offer on a bulk subscription rate for members. The matter will be further considered by the Executive and Council.

- the annual Awards Banquet was a great success and our hosts are to be congratulated on such a pleasing array of food and beverage. Awards this year went to the following:

Patterson Medal: Dr. Roland List. Presented by Dr. Warren L. Godson on behalf of the Atmospheric Environment Service.

President's Prize: Dr. Christopher Garrett, Dalhousie University, Halifax, N.S.

Dr. Andrew Thompson Prize in Applied Meteorology: Dr. John Reid, Atmospheric Environment Service, Downsview, Ont.

Graduate Student Prize: Mr. Lorne McArthur, University of British Columbia, Vancouver, B.C.

Rube Hornstein Prize in Operational Meteorology:

Un "Group de Météorologistes-prévisionnistes du bureau des prévisions du Québec de Ville Saint Laurent". The prize was accepted by Hubert Allard on behalf of the group.

Citations:

"To Tim Padmore, Science Editor of the Vancouver Sun, for the high level of his scientific reporting. Specifically, his articles, 'Scenario for Disaster' a discussion of the CO<sub>2</sub> question (Monday, March 13, 1978), and 'The Mysterious Red Tide Is Breaking the Rules' - on the tides and paralytic shellfish poisoning (Monday, October 23, 1978) exemplify how intelligent, accurate journalism can be instrumental in developing a rational awareness of environmental affairs within the general public".

and,

"To the Canadian Arctic Resources Committee for their role as a concerned independent body in promoting environmental improvements and in developing environmental ethics in the Canadian North. In particular, the CARC Submission to the Federal Environmental Assessment and Review Process Hearings on Offshore Drilling in Lancaster Sound focussed attention on the need for a balanced approach to northern development and the need to relate decision-making to environmental and social factors".

The latter citation was received by Dr. W. Rees of the University of British Columbia on behalf of the committee.



## NEW CMOS EXECUTIVE AND COMMITTEES

The 13th Annual General Meeting elected the following executive:

<u>President</u>	-	Dr. John M. Powell Canadian Forestry Service, Edmonton
<u>Vice President</u>	-	Dr. John Maybank Saskatchewan Research Council, Saskatoon
<u>Past-President</u>	-	Dr. Ron W. Burling University of British Columbia, Vancouver
<u>Treasurer</u>	-	Randy P. Angle Alberta Environment, Edmonton
<u>Corresponding Secretary</u>	-	David B. Fraser Arctic Weather Centre, Edmonton
<u>Recording Secretary</u>	-	James H. Renick Alberta Hail Project, Mynarski Park

In addition, the following officers were elected or appointed:

<u>Editorial Committee and Editor of ATMOSPHERE-OCEAN</u>	-	Dr. T. R. Oke University of British Columbia, Vancouver
<u>Public Information</u>	-	Joe Kotylak Atmospheric Environment Service, Edmonton
<u>Scientific</u>	-	Dr. Catherine Gautier Rimouski, Quebec
<u>Newsletter</u>	-	Avard S. Mann Atmospheric Environment Service, Edmonton
<u>14th Congress, Toronto Local Program</u>	-	Jack Donegan Atmospheric Environment Service, Downsview
<u>Scientific Program</u>	-	Professor H. R. Cho University of Toronto, Toronto

Membership of committees and local executives will be reported in a subsequent issue of the Newsletter.

## SUSTAINING MEMBERS

The following are Sustaining Members of the Canadian Meteorological and Oceanographic Society:

Airflow Developments Ltd.  
Richmond Hill, Ont.

Air Canada  
Montreal, P.Q.

Alberta Weather Modifications Ltd.  
Three Hills, Alberta

Beak Consultants Ltd.  
Vancouver, B.C.

Bendix-Aviation Electric  
Montreal, P.Q.

Bristol Aerospace  
Winnipeg, Man.

Dobrocky Seatech Ltd.  
Victoria, B.C.

Greenpark  
Canadian Forestry Equipment Ltd.  
Edmonton, Alberta

Hermes Electronics Ltd.  
Dartmouth, N.S.

MacDonald Dettweiler & Assoc. Ltd.  
Richmond, B.C.

MacLaren, Marex Inc.  
Dartmouth, N.W.

Philip E. Merilees  
Montreal, P.Q.

Neil Sargent  
Downsview, Ont.

Meyer Systems Inc.  
Vancouver, B.C.

## NEW MEMBERS

The following new members are welcomed to the Society:

Brian D. Kalanda  
Vancouver, B.C.

Dianne V. Ingraham  
Vancouver, B.C.

Olukayode E. Oladipo  
Toronto, Ont.

Eldon J. Oja  
Dartmouth, N.S.

Susan Richter  
St. John's, Nfld.

Shia-Tsan Tang  
Gainesville, Florida

Theodore Karncostas  
Laramie, Wyoming

Donald A. Murray  
Oromocto, N.R.

Jack Emslie  
West Vancouver, B.C.

Don R. Inkster  
Ottawa, Ont.

Thomas B. Shannon  
Halifax, N.S.

Keith G. Barr  
Fredericton, N.B.

Warren W. Denner  
St. John's, Nfld.

Dave Spittlehouse  
Vancouver, B.C.

James F. L. Knight  
Fredericton, N.B.

Keith W. Johnson  
Jackson, Mississippi

Robert J. Keeley  
Ottawa, Ont.

Maarten P. Van Ieperen  
Calgary, Alberta

Savithri Narayanan  
Sidney, B.C.

Wai Shek Kimber Kwong  
Clearbrook, B.C.

J. R. Wilson  
Ottawa, Ont.

Neil P. Riggs  
St. John's, Nfld.

James A. Henry  
Gainesville, Florida

John Garrett  
Sidney, B.C.

ORIGINS OF THE CANADIAN METEOROLOGICAL AND OCEANOGRAPHIC SOCIETY - M.K. Thomas

In anticipation of increased demands from aviation for meteorological services, the Director of the Meteorological Service of Canada and his senior officials undertook several projects in the 1930s which led to the establishment of the present Canadian Meteorological and Oceanographic Society. Pressed by John Patterson and Andrew Thomson, the University of Toronto established a Master's degree in meteorology in 1933-34, and by summer of 1939, 34 graduates were employed by the Meteorological Branch.

Earlier, in 1936, with the formation of the federal Department of Transport, the Meteorological Service of Canada had been renamed and moved to the newly-formed department. Trans-Canada Airlines (today's Air Canada) commenced trans-continental operations in 1938 and district aviation forecast offices were set up at Vancouver, Winnipeg, Toronto, and Montreal. During the same years, as a result of international meetings and negotiations, Canada took responsibility for weather services over the western North Atlantic Ocean and in the summer of 1939 the Service opened a forecast office at Gander, Newfoundland.

In August 1939, on the eve of the outbreak of World War II, the Canadian meteorologists, led by John Patterson, then Controller of the Meteorological Branch, hosted a joint meeting of the Royal and American Meteorological Societies at Toronto. At those meetings it was announced that the Council of the Royal Meteorological Society had, in May 1939, granted a charter for the setting up of a Canadian Branch and that a committee, chaired by Andrew Thomson, had been given responsibility for organizing the new branch.

The charter Canadian Branch Executive Committee in 1940 consisted of President John Patterson, Treasurer Graham Millar, and Secretary Knowles Middleton, all located in Toronto. The councillors, actually corresponding members representing different geographical regions of Canada, were Allan McCauley, Don Archibald, Reg Noble, Pat McTaggart-Cowan and Harvey Halbert. The first meeting of the Canadian Branch was held on February 2, 1940, when Wendell Hewson presented a paper entitled "A Special Type of Atmospheric Discontinuity".

Until 1956 the Executive Committee continued to consist of four core members in Toronto and five corresponding councillors-at-large from other parts of the country. In the late 1940s the Royal Meteorological Society added a Vice-President for Canada to its Executive; the Past President served in this role and was considered to be a member of the Canadian Branch Executive Committee. During this period, the core of the Executive Committee usually remained in office for two years but councillors were frequently changed annually. The 1951 Executive served for 16 months as the termination of the Executive year for the Society was changed from December to May.



Until 1956-57 there were five councillors-at-large but in that year the number was reduced to three as the Chairman of the Local Centres at Toronto and Montreal were named councillors. A few years later, in 1959-60, the Executive moved to Montreal where it remained until it returned to Toronto in 1965-66. The first issue of Atmosphere was published in the winter of 1963 under the editorship of Svenn Orvig. In 1964, a Committee, chaired by Ted Munn, was charged with the responsibility of planning the long discussed change from a Canadian Branch to an independent Canadian Meteorological Society.

The Canadian Meteorological Society came into being on January 1, 1967, and the first Council consisted of President Allan Brewer, Vice-President Morley Thomas, Treasurer Gordon Gee, Corresponding Secretary Hugh Cameron, Recording Secretary Lou Shenfeld, and Councillors-at-large Peter Summers, John Gregory and Oscar Villeneuve. These officers with the Past President, Ted Munn, and the Chairmen of the Local Centres constituted the charter Council of the new Society. The First Annual Congress of the CMS was held at Carleton University, Ottawa, in June 1967, although National Meteorological Congresses had been organized by the Canadian Branch as early as 1960.

In subsequent years, the Council of the CMS moved from Toronto to Montreal in 1973-74, to Vancouver in 1976-77, and to Edmonton in 1979. In 1977, the organization became the Canadian Meteorological and Oceanographic Society and the principal publication of the Society became ATMOSPHERE-OCEAN with the start of volume 16 in 1978. From 1940 until recent years, the President of the Society had always been a meteorologist but for the past four years the list of presidents shows a geographer-climatologist (J.E. Hay), a meteorologist (K.F. Harry), an oceanographer (R.W. Burling), and a forest-climatologist (J.M. Powell). This is an excellent example of the diversity of interests held by members and of the broad base of our Society today.

#### CONFERENCES

Banff, Alberta	8-12 Oct. 1979	Seventh Conference on Inadvertent and Planned Weather Modifications. Sponsor: AMS/ASCE. Local host: Alberta Weather Modification Board.
Banff, Alberta	9-12 Oct. 1979	Sixth Conference on Probability and Statistics in Atmospheric Sciences. Sponsor: AMS Local Host: Alberta Weather Modification Board.
Fredericton, N.B.	21-22 March 1980	Second Conference on Meteorology of Northern New England and the Maritimes. Sponsor: CMOS-AMS
Toronto, Ont.	22-27 May 1980	AGU Spring Meeting; 14th CMOS Congress.
Toronto, Ont.	Summer 1981	4th Conference on Atmosphere Radiation. Sponsor: AMS-CMOS

## NOTICES

### Corrections to ATMOSPHERE-OCEAN - Annual Congress issue:

Those looking at the list of Presidents of the Society published on page 82 of the 13th Annual Congress Issue of ATMOSPHERE-OCEAN will have noticed that Professor A. W. Brewer's name was inadvertently missed out. Professor Brewer was in fact the President for the years 1966-67, 1967-68, and 1968-69 which included the transition period when the Society changed from the Canadian Branch of the Royal Meteorological Society to the Canadian Meteorological Society. Morley Thomas was the President for the year 1969-70 and not as shown in the list. We apologize for these errors which were not picked up in proof reading. We understand that Professor Brewer is in retirement residing in Devon, England.

### Response to the "livre vert"

Following the publication of the "livre vert":

"Pour une politique québécoise de la recherche scientifique" by the Québec Government, the Quebec Centre submitted a memorandum in which considerations and recommendations of our members for a scientific research policy are presented.

Anyone wishing a copy of the memorandum should contact either Dr. John Powell or Ghislain Jacques, 194 Avenue, St. Sacrement, Québec, G1N 4J5.

Copies of the "livre vert" are available from:

Bureau de la science et de la technologie  
Politique de la recherche scientifique  
1035 de la chevrolière  
Edifice G  
Québec G1R 5A5

### Logo on page 1

This year is the 75th anniversary of the city of Edmonton. A wide variety of activities are planned to celebrate this event and the logo illustrated on the first page is the symbol adopted for this anniversary.