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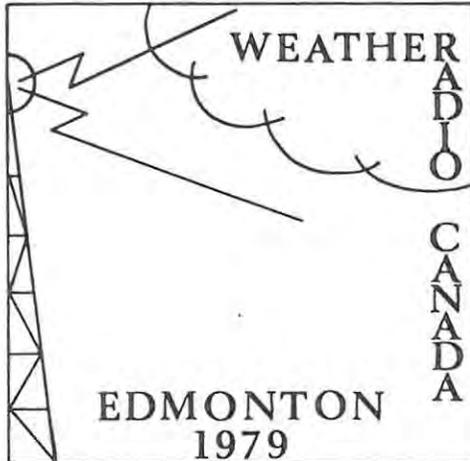
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FROM THE PRESIDENT'S DESK

Summer can be a quiet time although this year Canada has had its share of one meteorological phenomenon - the tornado. These occurrences should provide impetus to the endeavours of a number of meteorologists to adequately document the incidence and circumstances which bring us these destructive events. Your new Executive have not exactly had a quiet summer, but have been busy running the Society from a new location, although it did take nearly three months to have all the funds transferred to Edmonton.

In my comments in the August Newsletter I mentioned that two important letters were being sent to express our concerns for the continued support of the atmospheric sciences in Canada. The Hon. John Fraser, Minister of the Environment, has replied to one of these on behalf of the Prime Minister; his response is contained elsewhere in the Newsletter. The other, sent to the President of NSERC, was responded to by Dr. Ingraham and this is also reproduced in the Newsletter. We hope to continue this dialogue and expect the Scientific Committee to discuss these replies when they meet in Toronto on October 11th.

Most of you are aware of recent changes in the ground rules for meteorological training and recruitment by the Government of Canada, which previously provided in-house training within AES. Some in-house training in operational and applied meteorology will still be provided, but the new policy requires academic training in basic meteorology before employment (a minimum of 360 hrs) in Mathematics, 280 in Physics, and 400 in Meteorology). The four universities that have traditionally provided graduate programs in meteorology have recently



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planned for this new challenge by designing programs which meet the new recruitment requirements of the AES. In the next few issues of the Newsletter we will endeavour to have the meteorology programs of these universities explained for the members. Other universities provide some courses in meteorology, and we hope that these universities will also take the opportunity to discuss their programs. The Professional Training Division of AES will also be explaining their re-orientated program in the Newsletter. Although not on the same scale, the academic area in oceanography is also seeing changes with a Department of Oceanography established at the University of British Columbia to replace the Institute of Oceanography. Although an undergraduate program in oceanography has not been established, a trend in this direction may have been started with the establishment of this department in the Faculty of Science. We hope that all members will become full conversant with these program and recruitment changes so that CMOS can play a vital information role in promoting meteorology and oceanography through the local Centres and Chapters by making prospective students aware of programs and career opportunities in our discipline area. We hope that our Public Information Committee, under the chairmanship of Joe Kotylak, will include increased emphasis in this area and will indicate ways in which the Society can achieve this important role.

As part of the Climate Planning Board's (CPB) proposal to develop an integrated Canadian Climate Program (CCP) over the next year or so, a series of special and sectorial workshops are being planned, along with in-depth inventories of existing climate and climate-related activities. On August 28-29, a special workshop on Energy/CO₂ Impacts and Issues was held in Toronto to help define what studies of CO₂ and related areas are under way in Canada and in what special areas Canadians can help solve some of the unknown or unclear facts about the carbon cycle and its potential problems. In the initial planning stages are a series of sectorial workshops which will address the questions of how climate impacts on each specific sector, what services exist, present service deficiencies, and how the CCP should be designed to serve the sectors' requirements. Sectorial workshops have been suggested in the areas of agriculture, energy, natural resources, climatic research, fisheries, oceans, transportation, and communications, although some, such as natural resources, may be further split into water and forest resources. If you have an interest in helping to develop the CCP in any of these areas, please ensure that the Canada Climate Centre (CCC) is aware of your interest, or let the CMOS Executive know, as the Society is represented on the Climate Advisory Committee to the Climate Planning Board.

Letter from the Hon. John Fraser, Minister of the Environment
to the President, CMOS:

July 30, 1979

Dear Dr. Powell:

On behalf of the Prime Minister, I wish to thank you for your letter of June 25, previously acknowledged by his office. I have been asked by Mr. Clark to respond.

I appreciate your Society's continuing concern for the quality of meteorological services provided to Canadians. I note that these apprehensions were expressed in a letter to Prime Minister Trudeau in August 1978, regarding the decommissioning of the Pacific Ocean Weatherships.

I share your concerns regarding the weatherships and can personally assure you that serious and urgent attention is being given to means of ensuring their continued operation until an alternative system is in place.

The views expressed in your letter, of course, go beyond this specific example. In response, I believe my action in instituting a thorough re-examination of the weathership program is a clear indication of the government's awareness of the extraordinary value of the Atmospheric Environment Service to the economy of Canada and to the safety and convenience of Canadians.

I thank you for bringing to my attention the views of the Canadian Meteorological and Oceanographic Society. You can rest assured that they will be given serious consideration in light of the many issues now facing this government.

Yours sincerely,



John Fraser

Letter from the Hon. John Fraser, Minister of the Environment to the President, CMOS:

July 13, 1979

Dear Dr. Powell:

Mr. MacNabb has referred your letter of June 25, 1979, jointly signed with Dr. Burling and Dr. Maybank to me for reply.

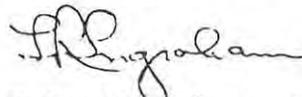
In your letter you refer to motions "that immediate consideration be given to the formation of a separate Granting Committee for Atmospheric Science ..." and "that the atmosphere be considered by NSERC as an area for support in its Strategic Grants Program".

If I interpret your motions correctly, the Society feels that there is insufficient funding for atmospheric science because there is not a separate granting committee for Atmospheric Science. Actually, we have looked at the problem on a different matrix and included atmospheric science in a number of our existing categories. Under Food/Agriculture we have given priorities to studies of stresses on plants and animals such as weather, droughts and temperature extremes. Under physical oceanography we have stressed the air/sea interface and ocean influence on climate and under communications, solar array technology, earth station design and multi-beam switching techniques. Under energy, one of our priorities is environmental protection and atmospheric modelling.

From the above we feel that atmospheric research has substantial scope in our programs. What we regret is that the area is attracting so few applications. We would like to see some worthwhile submissions for atmospheric research and weather forecasting for example over ice infested waters as it relates to navigation and mineral exploration.

I do hope that your membership will realize that even though we use a different matrix, we are organized to cater to many of your requirements.

Yours sincerely,



T.R. Ingraham, Ph.D.
Director (Programs)

EXECUTIVE NOTES

The following are some of the items dealt with at the first two meetings of the Executive:

- it was agreed that an advertising manager should be appointed to coordinate and develop the revenue possibilities of ATMOSPHERE-OCEAN. Centre chairmen will be contacted for suggested candidates.
- Sir John Mason, Director-General of the British Meteorological Office has been invited to give the third Andrew Thomson Memorial Lecture in Toronto on October 11th. CMOS will be one of the sponsoring agencies. The subject of the lecture will be "Numerical Modelling of Global Climate and Effects of Human Activities".
- the CMOS-AES tour speaker this year will be Dr. Michael Glantz, Environmental and Societal Impacts Group, NCAR, Boulder, CO. Topics for his presentations are now being worked out.
- Progress has been made in securing a chairman for the Financial Development Committee. Mory Hirt of the MEP Company has agreed to this appointment if terms of reference can be formulated by the Executive. Dr. John Maybank and Randy Angle will prepare terms of reference.
- Dr. John Powell attended an AES sponsored workshop on Global CO₂ levels and climate. He reports that the workshop concentrated on the impact of increasing atmospheric CO₂ on the Canadian climate. A report on the proceedings will be released within a month.
- Amendments to the CMOS constitution approved at XIII CMOS Congress are attached as the last page of this Newsletter. If future reference is anticipated, it may be detached and inserted in your copy of the constitution booklet.

ATMOSPHERE-OCEAN by T. R. Oke, Editor

In a recent Newsletter (Vol.7, No.3, p.4) there was a summary of items dealt with at Executive Meeting No. 6 which included the statement "ATMOSPHERE-OCEAN in serious financial problems". I would like to correct the impression the membership may have gained. The journal ended the year 'on target' in terms of its budget allocation, the problems are those of the Society in raising its projected outside income to meet that budget (notably the failure to obtain grants from OAS and NSERC).

As Editor, I am ever mindful of the fact that the journal represents about 55-60% of the Society's expenditures (this figure has been steadily falling since 1971 when it was 85%). With this in mind, I have endeavoured

to place the journal on a firm financial footing in the following manner:

- (a) by making application to NSERC to support the publication, in Canada, the fruits of Canadian meteorological and oceanographic research. We were unsuccessful this year but careful planning in going into a new application for next year;
- (b) by mounting an advertising campaign to increase subscription sales of the journal;
- (c) by accepting appropriate advertising in the journal. This policy was adopted by Council on the recommendation of the Editorial Committee. Advertisements from instrument manufacturers, book publishers, other journals, and consulting companies will start to appear during Volume 18.

Consideration is also being given to page charges. It is my expectation that the new Financial Development Committee will pursue further ideas to promote the financial health of both the journal and the general operations of the Society.

On quite a different topic, I would like to encourage contributions to the Research Notes section of the journal. Short articles (5 pages or less of the journal) are favourably received because they enable the Editor to put together more topics in a single issue and, thereby, broaden its scope of interest.

When I agreed to become editor, I made it clear that it would be for three years. That period expires at the 1980 Congress. Therefore, if you are interested in assuming the job or would like to suggest someone else, please contact the Executive in Edmonton.

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.

Berdix-Aviation Electric
Montreal, 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.

SUSTAINING MEMBERS (Cont'd)

Bristol Aerospace
Winnipeg, Man.

Dobrocky Seatech Ltd.
Victoria, B.C.

Neil Sargent
Downsview, Ont.

Meyer Systems Inc.
Vancouver, B.C.

NEW MEMBERS

Paul E. Carlson
Brampton, Ont.

Donald S. Munro
Dundas, Ont.

Brian A. Hammond
Richmond, B.C.

SCIENTIFIC COMMITTEE

Dr. Catherine Gautier,
Rimouski, P.Q.
- Chairman

Hugh Fraser,
A.E.S. Winnipeg,
- Secretary

Dr. Alistair Fraser,
Pennsylvania State University

Dr. G. Needler,
Bedford Institute of Oceanography

Dr. P. Hamblin,
CCIW, Burlington

Dr. Tim Oke,
University of British Columbia

Paul Denison
Acres Consulting Services,
Niagara Falls, Ont.

Dr. Keith Hage,
University of Alberta

Dr. J. Gregory
University of Saskatchewan

Dr. George Boer
A.E.S., Downsview

Dr. Yves Delage
A.E.S., Dorval, P.Q.

Councillors-at-Large

Dr. Alec Chisholm, A.E.S. Downsview

Dr. Gaston Paulin, Service de la Météorologie, Quebec, P.Q.

Dr. Brian Petrie, Bedford Institute of Oceanography

Membership

Fred Conway, A.E.S. Downsview

CENTRE EXECUTIVES

<u>Centre</u>	<u>Chairman</u>	<u>Secretary</u>
B.C. Mainland	John Knox Geography Dept. UBC	Vello Puss Pacific Weather Central A.E.S.
Vancouver Island	Dr. R. E. Thomson Institute of Ocean Sciences	Dr. R. C. Bennett B.C. Ministry of Environment
Alberta	Lubomir Wojtiw Alberta Research Council Stephen Rothfells (Vice-Ch.) Alberta Forest Service	Tom Medlicott Alberta Weather Centre A.E.S.
Saskatchewan	Don Bauer AES, Saskatoon	
Winnipeg	George Moody AES, Winnipeg Doug Holdham (Vice-Ch.) AES, Winnipeg	Doris Siemieniuk
Toronto	Jack Donegani AES, Downsview	Fred Conway AES, Downsview
Ottawa	E. (Ted) J. A. Hamilton L. D. O'Quinn (Vice-Ch.)	R. (Bob) L. Jones
Montreal	Jean-Guy Cantin AES	Pierre Ducharme AES
Quebec	Ghislain Jacques Service de la météorologie Jean-Pierre Fortin INRS-Eau	Fernando Sheriff Service de la météorologie
Rimouski	Dr. Georges Drapeau Université du Québec à Rimouski	Dr. Michel Khalil Université du Québec à Rimouski
Halifax	Vacant	Dr. Ronald Louks
New Brunswick Chapter	Professor R.B.B. Dickison University of New Brunswick	
Newfoundland Chapter	John Bursey AES, St. John's	Judith Bobbitt

ORIGINS OF CMOS - PART II by M. K. Thomas

Part I of this article appeared in the last issue of the Newsletter.

Presidents of the Executive Committees (1940-1966) and Councils (1967-) of the Canadian Meteorological and Oceanographic Society and its predecessors.

1940-66 Royal Meteorological Society - Canadian Branch

1940-42	-	J. Patterson
1943-44	-	A. Thomson
1945-46	-	W.E.K. Middleton
1947-48	-	A.J. Connor
1949-50	-	P.D. McTaggart-Cowan
1951-53	-	F.W. Benum
1953-55	-	D.P. McIntyre
1955-57	-	R.C. Graham
1957-59	-	W.L. Godson
1959-60	-	J.S. Marshall
1960-61	-	J.M. Leaver
1961-62	-	R.H. Douglas
1962-64	-	B.W. Boville
1964-66	-	R.E. Munn
1966	-	A.W. Prewer

1967-76 Canadian Meteorological Society

1967-68	-	A.W. Brewer
1968-70	-	M.K. Thomas
1970-71	-	D.N. McMullen
1971-82	-	C.M. Penner
1972-73	-	G.A. McKay
1973-74	-	W.F. Hitschfeld
1974-75	-	A.J. Robert
1975-76	-	P.E. Merilees
1976-77	-	J.E. Hay

1977- Canadian Meteorological and Oceanographic Society

1977-78	-	K.F. Harry
1978-79	-	R.W. Burling
1979-80	-	J.M. Powell

Canadian Branch National Meteorological Congresses 1960-66

1	June 7-8,	1960	Queen's University at Kingston
2	June 6-7,	1961	University of Montreal and McGill University
3	May 6-7,	1962	McMaster University at Hamilton
4	June 5-6,	1963	Laval University at Quebec
5	June 11-12,	1964	Dalhousie University at Halifax
6	June 8-9,	1965	University of British Columbia at Vancouver
7	June 8-10,	1966	University of Sherbrooke

CMS and CMOS Annual Congresses

<u>No.</u>	<u>Date</u>	<u>Location</u>	<u>Theme</u>
1	May 24-26, 1967	Carleton University at Ottawa	- -
2	June 3-5, 1968	University of Calgary	- -
3	May 27-29, 1969	University of Toronto	The Atmosphere as a Resource
4	June 17-19, 1970	University of Manitoba at Winnipeg	Education in Meteorology
5	May 12-14, 1971	Macdonald College, P.Q.	Meteorology and the City
6	May 31-June 2, 1972	University of Alberta at Edmonton	Meteorology and the North
7	May 30-June 1, 1973	St. Mary's University at Halifax	The Atmosphere and the Oceans
8	May 29-31, 1974	York University at Toronto	Meteorology and Community
9	May 28-30, 1975	University of British Columbia at Vancouver	The Role of the Pacific Ocean in the Climate of North America
10	May 26-28, 1976	Universite Laval, Quebec	Reseaux d'observation
11	June 1-3, 1977	Winnipeg Convention Centre	The Meteorology of the Great Plains
12	May 31-June 2, 1978	University of Western Ontario at London	Energy, the Meteorologist and the Oceanographer
13	May 30-June 1, 1979	University of Victoria	Dynamic Similarities of Oceans and Atmosphere

CANADA-WIDE SCIENCE FAIR 1979 - DAVID HALL, EXECUTIVE DIRECTOR, Y.S.F.

Our major yearly event has passed into history and 220 of our brightest Canadian young people have had an experience of a lifetime. Along with increased participation, the quality of the work shown continues to improve. Those Foundation members who contributed awards have been notified of their winners and thanked for their help. However, I must also say 'Thank you' to the balance of our membership whose donations for our operation ensure that the necessary support mechanism is in place for the science fair movement. For you I am enclosing a summary of the week's events and the program.

Already, I am looking forward to being in Thompson, Manitoba in 1980. There will be several new regional science fairs affiliating with the Youth Science Foundation and a number of organizations and companies have expressed interest in either donating new awards or increasing the value of present ones. During November, the request forms for awards will be mailed out to our members and if you wish to receive one, please notify this office. Only members of the Foundation may present new awards and we will gradually move to a position where all award donors must be members of the Foundation.

The CMOS award of \$100 went to David Greening and Ian Kroll of The Pas, Manitoba this year for their exhibit "The Hurricane Machine".

METEOROLOGICAL TRAINING PROGRAMS AT THE UNIVERSITY OF ALBERTA - Dr. K. Hage

The Meteorology Division of the Department of Geography at the University of Alberta offers complete undergraduate and graduate teaching and research programs in Meteorology. The four-year undergraduate program leading to the B.Sc. degree meets all mathematics, physics, and meteorology course requirements specified by the Atmospheric Environment Service for prospective employees. Master of Science and doctoral programs are offered in both Meteorology and Climatology. Research is underway at the present time in the fields of cloud and precipitation physics, including hail and icing problems; radar meteorology; stable isotope tracer analyses; satellite meteorology; statistical meteorology; micrometeorology and air pollution; urban and applied climatology; paleoclimatology; numerical modelling of meso-scale weather systems; and studies of the influence of mountains on precipitation and weather systems. Close liaison is maintained with the Alberta Oil Sands Environmental Research Program, the Alberta Hail Studies Program, and the Arctic Weather Centre of the Atmospheric Environment Service as well as with several University Departments. The Meteorology Division and the Geophysics Division together constitute the Institute of Earth and Planetary Physics. Annual reports of Institute activities include brief summaries of research projects and are available on request.

Meteorology Division facilities include teletype and facsimile receivers, a weather satellite receiver, NOVA 1200 and HP9845 mini-computers, a well-equipped rural climatological station, micrometeorological instruments, laboratories and cold room, high-speed and time-lapse photogrammetric

equipment, and excellent library facilities. In addition, facilities within and beyond the University are available to Meteorology students and staff on time-sharing arrangements. These include an icing wind tunnel, a low-speed wind tunnel, oxygen and deuterium mass spectrometers, weather radars, and the University Amdahl 470/V6 computer with remote graphics terminals.

The following courses are offered by the Department of Geography:

Undergraduate

Meteorology	307:	General Meteorology
Meteorology	320:	Meteorological Instrumentation
Geography	333:	Introduction to Weather
Geography	334:	Introduction to Climate
Meteorology	406:	Meteorological Thermodynamics and Radiation
Meteorology	407:	Dynamic Meteorology
Meteorology	412:	Synoptic Meteorology Laboratory I
Geography	433:	Microclimatology
Geography	439:	Environmental Hazards

Graduate

Meteorology	507:	Seminar
Meteorology	511:	Synoptic Meteorology
Meteorology	512:	Synoptic Meteorology Laboratory II
Meteorology	515:	Meteorological Statistics
Meteorology	516:	Physical Meteorology
Meteorology	517:	Cloud Physics
Meteorology	525:	Atmospheric Turbulence and Diffusion
Meteorology	526:	Advanced topics in Dynamic Meteorology
Geography	533:	Climatology
Geography	537:	Circumpolar Quaternary Climates

Specialized courses in fluid mechanics, geophysics, stable isotope analyses, ecology, soil science, forest science, remote sensing, and many other fields closely related to meteorology are offered by the University. In particular, the following courses are offered in the fields of water resources, hydrology, and water pollution:

Geography	469:	The Geography of Water Management
Civil Engineering	531:	Environmental Fluid Mechanics
Civil Engineering	541:	Hydrology
Geography	568:	Water Resources I
Geography	569:	Water Resources II
Civil Engineering	641:	Surface Water Hydrology
Civil Engineering	649:	Advanced Topics in Hydrology

For more information contact Dr. K.D. Hage, Department of Geography, University of Alberta, Edmonton, T6G 2H4 (Telephone: 403 - 432-5405).

BOOKS

GLOBAL MARINE POLLUTION:

an overview

By Michael Waldichuk
Fisheries and Marine Service
Vancouver (Canada)
(Intergovernmental Oceanographic Commission
technical series, 18)

This study examines the problems of global marine pollution in terms of both short-term, acute, local effects and long-term chronic, world-wide effects. The efforts being made to study the problem internationally and nationally are reviewed and a proposed programme for the setting up of some 300 monitoring stations is presented.

1978 96p. ISBN 92-3-101551-6

DESERTIFICATION:

Its Causes and Consequences

Compiled and Edited by the SECRETARIAT OF THE UNITED NATIONS CONFERENCE ON DESERTIFICATION, Nairobi

Contents: Desertification - An overview. Climate and desertification - The world's dry climates. Observed variability of the dry climates. Causes of the observed variabilities. Modelling attempts. Towards solutions. Research and the future, F.K. Hare. Ecological change and desertification - Evidence. Dry ecosystems. The impact of exploitation. Diagnosing desertification. Ecological principles in combating desertification, A. Warren and J.K. Maizels. Population, society and desertification - Population and livelihoods at risk. The social causes and consequences of desertification. Coping with desertification. Major findings and implications for action, R.W. Kates, D. L. Johnson, and K.J. Haring. Technological applications, M. Anaya Garduno.

ISBN 0 08 0220231 US \$50.00 454 pp 1977

THE OZONE LAYER

A synthesis of papers based on the UNEP meeting on the Ozone Layer, Washington DC, March 1977.

Editor: B.W. Boville, United Nations Environment Program

This volume is based on contributions presented at the meeting by international, governmental and non-governmental organizations. It contains up-to-date information on ongoing and planned activities on various aspects of stratospheric ozone problems, and presents the recommendations for future action resulting from the meeting. Possible changes in the characteristics of the ozone layer and the environmental implications of such changes are discussed. Subjects of topical interest covered include physical aspects, effects on climate, health, ecosystems and crops.

ISBN 0 08 022429 6 250pp approx. US \$25.00 approx Summer 1978

CONFERENCES

Banff, Alberta	October 8-12, 1979	Seventh Conference on Inadvertent and Planned Weather Modifications. Local Host: Alberta Weather Modification Board.
	Sponsor: AMS/ASCE.	
Banff, Alberta	October 9-12, 1979	Sixth Conference on Probability and Statistics in Atmospheric Sciences. Local Host: Alberta Weather Modification Board.
	Sponsor: AMS	
Edmonton, Alberta	October 15-18, 1979	Digital Radar Reflectivity Processing with Applications to Hydrometeorology. Alberta Research Council
	Sponsor: AMS; WMO;	
Edmonton, Alberta	November 7-9, 1979	Annual Meeting Pacific Northwest International Section of the Air Pollution Control Association.
	Sponsor: PNWIS-APCA	
Red Deer, Alberta	November 15-16, 1979	Alberta Water Resources - Present and Future.
	Sponsor: Alberta Chamber of Commerce; Canadian Water Resources Association; Alberta Environment; Unifarm	
Fredericton, N.B.	March 21-22, 1980	Second Conference on Meteorology of Northern New England and the Maritimes.
	Sponsor: CMOS-AMS	
Toronto, Ontario	May 22-27, 1980	AGU Spring Meeting; 14 CMOS Congress.
Toronto, Ontario	June 16-18, 1981	Fourth Conference on Atmospheric Radiation.
	Sponsor: AMS; CMOS	

CALL FOR PAPERS

The Fourteenth Annual Congress of the Canadian Meteorological and Oceanographic Society will be held together with the American Geophysical Union (AGU) Spring Meeting at the Harbour Castle Hilton Hotel, Toronto, Ontario, from May 22-27, 1980.

The scientific programs of the Congress will be integrated with the meteorology and oceanography sessions of the AGU meeting. The Congress Program Committee will work with AGU section chairmen to review abstracts

submitted by CMOS members. Sessions of special interest to our members will also be organized.

Contributed papers are solicited in all areas of meteorology and oceanography. Poster papers will be given special consideration. Send abstracts to:

AGU Meetings
2000 Florida Avenue N.W.
Washington, D.C. 20009
U.S.A.

They must be received by February 25, 1980, to be on time; otherwise a \$25.00 late fee will be charged.

Only CMOS or AGU members may submit an abstract. The abstract of a non-member must be accompanied by a membership application (with payment). Only one contributed paper by the same first author will be considered for presentation; additional papers will be automatically rejected.

Abstract must be submitted in the standard AGU format. Members of CMOS will receive instructions for Preparing Meeting Abstracts from AGU. A publication charge of \$25.00 for each contributed abstract accepted will be invoiced (\$10.00 if the first author is a student member of CMOS or AGU and if the appropriate notification is made on the abstract when submitted).

Please note that only 10 minutes is normally allowed for the presentation of each contributed paper and that only 35 mm (2" x 2") slide projectors and viewgraphs are usually available as standard equipment at the meeting.

DEMANDE de PUBLICATIONS

Le quatorzième congrès annuel de la Société canadienne de météorologie et d'océanographie coïncidera avec la session de printemps de l'AGU (American Geophysical Union) et sera tenu à l'hôtel Harbour Castle Hilton de Toronto du 22 mai au 27 mai 1980.

Le contenu scientifique du congrès sera intégré aux sessions de l'AGU portant sur la météorologie et l'océanographie. Le comité d'organisation du congrès comprendra un membre de l'AGU et sera responsable de la révision des articles présentés par les membres de la SCMO. Des sessions destinées spécifiquement à nos membres seront aussi organisées.

Des articles touchant à tous les domaines de la météorologie et de l'océanographie sont demandés; une attention particulière sera accordée aux articles de type "poster"; certaines sessions peuvent être de type "poster" uniquement. Vous êtes priés de faire parvenir vos résumés à l'adresse suivant:

AGU Meetings
2000 Florida Avenue N.W.
Washington, D.C. 20009
U.S.A.

Ils devront être reçues avant le 25 février 1980, sinon une surcharge de 25 dollars sera imposée.

Les résumés doivent être conformes aux normes de l'AGU et cette dernière fera parvenir aux membres de la SCMO les renseignements nécessaires à la présentation de ces résumés. Des frais de publication de 25 dollars seront exigés pour chaque résumé accepté (10 dollars si le premier auteur est un étudiant membre de l'AGU ou de la SCMO et que ça soit spécifié lors de la présentation du résumé).

Seul les membres de l'AGU ou de la SCMO peuvent présenter des résumés. Les résumés de non-membres doivent être accompagnés d'une demande d'adhésion à la Société. Une limite d'un article par premier auteur est imposée et les autres articles seront automatiquement rejetés.

Veuillez noter qu'une période de 10 minutes sera normalement accordée pour la présentation des articles et que les projecteurs pour diapositives (35 mm) et transparents sont normalement disponibles. (N'ayant pas un service de vérification on y présente une copie fidèle du texte reçu - réd.)

CALL FOR PAPERS

Second Conference on Meteorology of Northern New England and the Maritimes, March 21, 22, 1980, Fredericton, N.B., Canada.

A conference on the Meteorology of Northern New England and the Maritimes, hosted by the University of New Brunswick, and jointly sponsored by the American Society and the Canadian Meteorological and Oceanographic Society, will be held at Keddy's Motor Inn Fredericton, New Brunswick, March 21, 22, 1980.

Papers of both a technical and non-technical nature related to the conference title are invited. Titles and abstracts should be submitted by 15 December 1979, to the Conference Chairman, Prof. R.B.B. Dickson, Department of Forest Resources, P.O. Box 4400, Fredericton, N.B. E3B 5A3 Canada.

CALL FOR NOMINATIONS - 1979 AWARDS

Nominations are requested from members and Centres for the 1979 CMOS Awards to be presented at the 1980 Annual Meeting. Four awards are open for competition: 1) the President's Prize for an outstanding contribution in the field of meteorology by a member of the Society; 2) the Dr. Andrew Thomson Prize in Applied Meteorology, for an outstanding contribution by a member in that field; 3) the Graduate Student Prize, for a contribution of special merit, and 4) the Rube Hornstein Prize in Operational Meteorology, for outstanding service in providing operational meteorological service. The awards will be made on the basis of contributions during the 1979 calendar year, except 4) which may be awarded also for work performed over a period of years.

Nominations are also requested for the award of citations to individuals or groups in Canada who have made some outstanding contribution in helping to alleviate pollution problems or in developing environmental ethics.

All nominations should reach the corresponding secretary not later than 1 February 1980.

APPEL AUX CANDIDATURES POUR LES PRIX ET CITATIONS 1979

On demande aux membres et aux centres locaux de soumettre leurs nominations aux candidatures pour les prix de la Société pour l'année 1979. Il y a quatre prix: 1) le prix du président pour un travail exceptionnel en météorologie par un membre de la Société. 2) le prix de météorologie appliquée Dr. Andrew Thomson pour un travail exceptionnel dans ce domaine par un membre, 3) le prix aux étudiants gradués et 4) le prix de météorologie opérationnelle Rube Hornstein pour un travail exceptionnel dans l'exploitation des services météorologiques.

Tous les prix seront attribués pour un travail qui a été effectué durant l'année 1979, à l'exception de 4) qui peut aussi être attribué pour un travail effectué durant une période couvrant plusieurs années.

On demande aussi des nominations de candidats susceptibles de se voir décerner une citation par la Société. Une citation peut être décernée à un individu ou à un groupe qui a apporté une contribution exceptionnelle à la solution des problèmes de la pollution, à l'amélioration de l'environnement ou au développement d'une éthique écologique.

Toutes les nominations recueillies par le secrétaire-correspondant avant le 1er février 1980 seront remises aux comités des récompenses et des citations, selon le cas.

WEATHERADIO CANADA - ITS INCEPTION - R. Winterer

The concept of Weather Radio is not a new one. The U.S. National Weather Service first embarked on this form of weather information dissemination in the early 1950's. Expansion of the Weather Radio system was minimal until 1975. Early that year NOAA Weather Radio was designated as the sole US Government operated radio system to provide direct warnings of both natural disasters and nuclear attack. With major government support, the system mushroomed. By 1976, 80 broadcast stations had been established. Only three years later over 300 stations are operational capable of reaching 95% of the US population.

The expansion and use of Weather Radio in the United States was monitored with great interest by AES. It was quickly obvious that such a system was extremely efficient and effective in disseminating weather information. The rapidity with which warnings of severe weather and other natural disasters could be provided was unequalled by any other medium.

As a result, a pilot project was undertaken in the Vancouver area in 1975. In January 1977, Weatheradio Canada became a reality when Weatheradio Station CFA 240 began broadcasting on a frequency of 162.4 MHz. The test was a success and 1978 saw the installation of a similar operation in Montreal. Weatheradio stations are now also broadcasting from Halifax and Toronto with efforts well underway for their establishment in Winnipeg, Regina, Saskatoon, and here in Edmonton. By 1983, a further 10 stations can be expected in major urban areas across Canada.

The success of Weatheradio and the enthusiasm with which this service has been embraced are nowhere better exemplified than in Nova Scotia. The first transmitter was placed in operation in January of this year, and as a result of the enthusiastic moral and financial support of the provincial Departments of Fisheries and Agriculture, Weatheradio broadcasts were available throughout Nova Scotia by July. At the same time, apparently, suppliers of Weather Radio receivers are finding it difficult to keep their shelves filled as sales continue to climb.

In Edmonton, the content of the Weatheradio transmissions is expected to be similar to that provided at other locations. Broadcasts may contain weather warnings/advisories and civil emergency information. Under normal circumstances, weather synopsis, public forecasts, climatological data, agricultural forecasts, and special user forecasts will make up the fare. Widespread apathy among local prairie schooner operators has excluded the requirement for marine forecasts.

Weatheradio Canada is a new and exciting link between the forecaster and the user. Its potential for beneficial impact on Canadians is obvious in emergency situations and should prove to be significant over a longer time frame. It is a concept that will, hopefully at some future date, elicit the following question, "What was it like before Weatheradio, Daddy?"



Canadian Meteorological and Oceanographic Society
La Société Canadienne de Météorologie et d'Océanographie



Amendments to the constitution (as published in February 1978) approved at the Annual General Assembly of May 1979:

- BY-LAW 4 (b) First line to read 'Before February 1st in each year, a'
- BY-LAW 5 (h) Additional item 5 to read: 5. 'The Treasurer shall prepare the necessary financial statements and Income Tax Returns for the Society.'
- BY-LAW 6 Additional item (i) to read: 1) A Standing Committee on Public Information shall be established. This Committee will recommend to the Executive appropriate action pertaining to the provision of information to the public in general, or to specific groups, on matters of scientific and educational concern to the Society. The Committee shall consist of a Chairman and two or more liaison members appointed by Council, and one member appointed by each Centre. The Chairman and the other members of the Committee may hold office up to a period of 3 years. The Committee should meet at least once a year and shall prepare an annual report on its activities for Council.
- BY-LAW 8 (a) to read: 'On the recommendation of Council, one or more auditor(s) shall be appointed at each Annual General Meeting to hold office until the next Annual Meeting.'
- BY-LAW 12 (d) to read: 'The Secretary of a Local Centre shall report to the Corresponding Secretary of the Society on February 1st of each year, or earlier if requested by Council, on the meetings that have been held by such Local Centres during the previous calendar year, including the names of the speakers and the topics upon which they spoke.'
- BY-LAW 12 (f) to read: 'Council may, at its discretion, authorize the expenditure of Society funds on behalf of a Local Centre. Total expenditures in any one financial year must not exceed those total funds available from the Society Subvention and from other resources of the Centre'.
- BY-LAW 12 (g) to read: 'The Treasurer of a Local Centre shall submit to the Executive an annual financial statement, based on the calendar year, by February 1st of each year.'
- Appendix to By-Laws (page 6 of Constitution and By-Laws, February 1978)
In line 3, under the title, 'President's Prize', replace 'Chaper' with 'Chapter'.
- In Item (c) replace 'Graduate Student Prize' with 'Graduate Student Prizes'.
- Replace the statement under 'Graduate Student Prize' with 'When contributions of special merit in meteorology and/or oceanography by graduate students come to the notice of the Awards Committee, special graduate student prizes may be awarded.'



Canadian Meteorological and Oceanographic Society
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Amendements à la constitution (publiée en février 1978)
approuvées à l'assemblée générale annuelle de mai 1979:

RÈGLEMENT 4 (b) La première ligne est changée et doit se lire: "Avant le premier février de chaque année, un"

RÈGLEMENT 5 (h) article additionnel: 5. Le trésorier doit préparer les rapports financiers et les déclarations d'impôt sur le revenu de la Société.

RÈGLEMENT 6 article additionnel: i) Un comité d'information publique permanent doit être formé. Ce comité a la responsabilité de présenter au bureau d'administration ses recommandations sur les mesures à prendre pour informer le grand public ainsi que des groupes plus spécifiques sur des affaires scientifiques et éducationnelles de la société. Ce comité comprendra un président, au moins deux officiers de liaison nommés par le conseil et un membre de chaque centre, nommé par le centre. Le président et les membres de ce comité n'occuperont pas leur poste pendant plus de trois ans. Le comité doit se réunir au moins une fois par année et doit soumettre au conseil un rapport annuel de son exercice.

RÈGLEMENT 8 (a) se lira désormais: Au moins un vérificateur, recommandé par le conseil, sera nommé à l'assemblée générale annuelle et servira jusqu'à l'assemblée annuelle suivante.

RÈGLEMENT 12 (d) se lira désormais: Le secrétaire de chaque centre local doit préparer un rapport annuel sur les réunions tenues durant l'année civile précédente, sans oublier les noms de conférenciers et les sujets qu'ils ont traités. Ce rapport doit être transmis au secrétaire - correspondant de la Société le premier février ou avant si le conseil lui en fait la demande.

RÈGLEMENT 12 (f) se lira désormais: Le conseil d'administration peut, à sa discrétion, autoriser l'usage des fonds de la Société au bénéfice d'un centre local. La somme des déboursements ne doit pas dépasser, au cours d'une année fiscale, le total des fonds disponibles, pour le subside accordé par la Société et autres ressources, à ce centre local.

RÈGLEMENT 12 (g) se lira désormais: Le trésorier d'un centre local soumettra au bureau d'administration un rapport financier annuel, basé sur l'année civile, le premier février de chaque année.

Appendice aux Règlements

Remplacer le texte du paragraphe intitulé 'Prix aux étudiants gradués' par:

Lorsque des travaux de qualité exceptionnelle en météorologie ou en océanographie sont portés à l'attention du comité des primes, des prix spéciaux pour étudiants gradués peuvent être décernés à leurs auteurs.