

CMS NEWSLETTER

1976

Number 4

DECEMBER

Andrew Thomson Lecture

The second Andrew Thomson Lecture, sponsored by the University of Toronto and the CMS will be given on March 3rd, 1977 at 4:10 p.m. in the Physics Department, University of Toronto. Jules Charney will speak on "The Dynamics of Deserts and Desert Margins".

Stanstead Seminar

The Twelfth Stanstead Seminar will be held this summer, 11-15 July, 1977, at Bishop's University, Lennoxville, Quebec, with the theme "Planetary waves, theory and observation".

Among the speakers will be Dr. R. Dickson, NCAR; Dr. Y. Hayashi, GFDL, and Dr. J.M. Wallace, University of Washington.

For further information and registration contact Prof. Philip Merilees, Department of Meteorology, McGill University, 805 Sherbrooke St.W., Montreal, Que., Canada, H3A 2K6.

GATE Data Available

During the GARP Atlantic Tropical Experiment, GATE, a large amount of meteorological and oceanographical data was collected. These data have now been processed and validated and are available to users at nominal cost. The types of Canadian data available are:

1. Hourly surface meteorological observations.
2. Upper air data of winds, temperatures and humidity.
3. Hourly and ten-minute values of surface radiation components.
4. Tethered balloon boundary layer measurements to 1 km.
5. Precipitation data including digital radar data.

GATE Data Available (cont'd)

6. Wind profiles from surface boom.
7. CTD, XBT, current meter and thermistor chain oceanographic data.

Validated data from all nations participating in GATE is also available. Interested scientists are encouraged to take advantage of this valuable data set.

For further information please contact either the National Processing Centre or Dr. R.J. Polavarapu at Atmospheric Environment Service, 4905 Dufferin Street, Downsview, Ontario, M3H 5T4.

Notes from the Ottawa Centre

The executives of the Ottawa Centre are
Chairman: H.H. Watson
Past Chairman: W.B. Watson
Vice-Chairman: H.R. Armstrong
Oceanographic Division: N.J. Campbell
Secretary Treasurer: K.C. Morris
3418 McCarthy Road
Ottawa, Ontario, K1V 9A1.

The first meeting of the season on 19 October was addressed by Brig-Gen Keith Greenaway (Ret.), Senior Science Advisor to the Department of Indian Affairs and Northern Development. His talk on "The changing North and the effect on weather services" touched on a wide range of social, cultural, political and economic problems.

At the second meeting, on November 30th, Dr. Douglas Whelpdale of AES spoke on the long range transport of pollutants and of AES observational and theoretical investigations in this field.

Other Centres

B.C.:
Chairman: M. Don Faulkner
Secretary: Mr. Vello Puss
602-661 Minoru Blvd.
Richmond, B.C.

Other Centres (cont'd)

Alberta:

Chairman: Dr. Brian L. Barge
Secretary: Mr. Lubomir Wojtiw
Atmos. Sc. Division
Alberta Research Council
8625, 112 Street
Edmonton, Alberta

Regina:

Chairman: Mr. L.S. Meeres
Secretary: Mr. P.J. Obrien
Weather Office
Regina Airport
Regina, Sask., S4P 2Z4

Winnipeg:

Chairman: Mr. Mark Hacksley
Secretary: Mrs. Dorin Siemieniuk
Prairie Weather Centre
Environment Canada
Winnipeg International Airport
Winnipeg, Man., R2R 0S7

Toronto:

Chairman: Mr. R.G. Lawford
Secretary: Mr. M.D. Hewson
Ontario Weather Centre
Atmospheric Environment Service
Toronto International Airport
Toronto AMF, Ontario, L5P 1B1

Montreal:

Chairman: Mr. R.J. Fichaud
Secretary: Mr. J.A.R. Rioux
Canadian Meteorological Centre
Dept. of Environment
2121 North Service Road, Suite 100
Trans-Canada Highway
Dorval, Quebec, H9P 1J3

Quebec:

Chairman: Dr. Gaston Paulin
Secretary: Mr. Guy Bergeron
Gouvernement du Québec
Service de la Météorologie
194, Ave St-Sacrement
Québec, P.Q., G1N 4J5

Other Centres (cont'd)

Halifax:

Chairman: Dr. E. Peter Jones
Secretary: Mr. Paul Galbraith
P.O. Box 5000
Bedford, N.S., B0N 1B0

Canadian Tornadoes

Gordon McKay has long lamented the limited awareness of Canadians with regard to the frequency and severity of tornadoes in this country. M.J. Newark of A.E.S., Malton, has undertaken a project to determine the climatology of tornadoes in eastern Canada, thus extending the earlier investigations of western Canada by Lowe and McKay. While the prime data source will be the archives of some seventy daily newspapers, Newark and his team would appreciate receiving any information our members may have regarding tornado occurrences. Details of location, date, time, death, damage and other particulars would be most welcome, but even the knowledge of an occurrence would assist in the newspaper search. It should be noted that a tornado may not have been identified as such at the time, until recent years Ontario tornadoes were usually called cyclones.

Members are urged to forward particulars or generalities based on their own experience or family reminiscences to:

M.J. Newark
10 Woodbrook Drive
Ontario, L6W 1W5

Ad Hoc Committees

At a recent meeting, CMS Council approved the appointment of the following Committee members.

The Awards Committee:
Dr. R.W. Burling, Chairman
1181 Allison Rd.,
Vancouver, B.C., V6T 1T1
Dr. E.R. Walker
Dr. K.D. Hague
Dr. G.A. McBean
Dr. T. Warn

Ad Hoc Committees (cont'd)

The Citations Committee:

Dr. J.H. Renick, Chairman
Alberta Hail Project
P.O. Box 240
Nuynarski Park, Alta, T0M 1N0

S.V.A. Gordon
G.A. McKay
Dr. P.M. Paul
L.E. Parent

The Nominating Committee:

Dr. P.H. LeBlond, Chairman
Institute of Oceanography
University of British Columbia
2075 Westbrook Place
Vancouver, B.C., V6T 1W5

J.R. Marshall
Dr. T.A. Black
J.R. Matkieson
E. Stashko

Tax Relief

We have been informed that the Canadian Meteorological Society has been registered as a Canadian charitable organization within the meaning of paragraph 149(1)(f) of the Income Tax Act, effective 1 Jan. 1976. Donations made to the CMS after this date may be claimed as deductions by donors in computing their taxable income in accordance with and to the extent provided by paragraph 110(1)(a) of the Income Tax Act if substantiated by a receipt containing all the information required by part XXXV of the income tax regulations. The registration number assigned is 0470625-21-08.

Oceanography within the CMS?

(A statement from the President: John Hay)

At the 9th Annual Meeting of the Society (held in May 1975 in Vancouver) and following deliberations initially within the Society's Scientific Committee and subsequently by Council, the decision was made to establish an Oceanography Division within the CMS, with such a division to be administratively handled in a fashion similar to local centres of the Society. This decision was a consequence of (a) Canadian oceanographers wishing to have a national society with which they could identify; (b) a number of oceanographers already holding membership in the Society;

Oceanography within the CMS? (cont'd)

and (c) the recognition that meteorology and oceanography have many areas of common interest. Two highly visible outcomes of that decision were the existence of oceanography sessions at the 10th CMS Congress and the publication of oceanographic papers in Atmosphere. Many local centres have also included oceanography papers in their regular meetings though in some centres this has been a long-standing tradition.

An important component of the May 1975 resolution was to review the administrative arrangements in 1976-77 "with a view to their becoming permanent, or modified, or discontinued. Any constitutional amendments that become necessary should be proposed by Council to the 1977 Annual Meeting".

The required review began early in 1976 with local centres of the Society being asked to report their views on the incorporation of oceanography into the CMS. The responses "ranged generally from strong to neutral support" with the positive attitudes generally referring to the scientific advantages of such a move. The expressed concerns generally focussed on the administrative changes which might be necessary. On the basis of this response the Oceanographic Division intensified its activities and by May 1976 the CMS had 70 members with an "oceanography" designation and some 50 of these attended the 10th Annual Congress in Quebec. The Oceanographic Division met during that congress and the general wish was that oceanography (defined in its broadest sense so as to include all aspects of oceanography and limnology though it was recognised that prime interest would come from the physical and chemical oceanographers) and meteorology join together in a permanent administrative relationship.

This wish was confirmed in a mail canvas of all Oceanographic Division members, at which time the proposal was made for a transformation of the CMS into an integrated Canadian Meteorological and Oceanographic Society, with the Oceanographic Division only continuing as such for as long as it is administratively necessary.

Both the CMS Executive and Council have now considered and endorsed the proposal to formally and permanently incorporate oceanography into the CMS by appropriate changes in name, aim and membership qualifications. It is felt that the Society will benefit from the increased and broadened membership base, that the increased interaction will hasten the maturation of both disciplines within Canada and that the impact of the Society within both the public and private domains will be increased as a result of the changes.

Oceanography within the CMS? (cont'd)

In broad outline the sense and consequences of the proposed amendments are as follows:

- 1) The CMS is to be transformed into a Canadian Meteorological and Oceanographic Society.
- 2) All positions in the executive and in the local centres become accessible to oceanographers as well as to meteorologists.
- 3) Note that the proposed modification of By-Law 12 facilitates the creation of new local centres or chapters in areas (such as Victoria, Burlington or Rimouski) where large concentrations of oceanographers but few meteorologists are now found.
- 4) The suggested new name of the journal - ATMOSPHERE - OCEAN - has the advantage of not requiring translation. More clever and equally advantageous suggestions are invited.
- 5) The changes suggested under Awards and Prizes would make oceanographers eligible for the President's prize and for a graduate student prize. The Rube Hornstein Prize and the Dr. Andrew Thomson Prize would remain exclusively meteorological. A new prize in Oceanography could be created at a later date at the wish of the membership if funds are available.

The required constitutional amendments to implement these proposals are as follows:

Art. 1 -- Name: to be changed to -

The name of this Society shall be the Canadian Meteorological and Oceanographic Society.

Art. 2 -- Aim: to be changed to -

The Society shall exist for the advancement of meteorology and oceanography (the term oceanography as used here includes limnology).

Art. 3 -- Membership: to be changed to -

Membership is open to persons and organizations having an interest in meteorology or oceanography.

Art. 6 -- Non-profit status:

Where meteorology appears, substitute meteorology and oceanography.

Oceanography within the CMS? (cont'd)BY-LAWS

- 2c) : Change "...in promoting meteorology and its application" to "... in promoting meteorology or oceanography and their application..."
- 4b) : Add the following sentence: "The Nominating Committee shall take into consideration the need for proper representation of the two fields of interest of the Society."
- 6f) : Change the name of the publication to: "ATMOSPHERE - OCEAN" (or another suitable name representing the two fields of interest of the Society).
- 9b) : Replace "...the Canadian Meteorological Society..." by "...the Canadian Meteorological and Oceanographic Society..."
- 10a) : Replace "...of meteorological interest." by "...of meteorological and oceanographic interest."
- 12a) : Replace "...of meteorological interest." by "...of meteorological or oceanographic interest."
- 14a) : Replace "...interest in meteorology..." by "...interest in meteorology or oceanography..."
- 14d) : Replace the name of the Society by the new name proposed in Art. 1 of the constitution.
- 14e) : Replace the name of Atmosphere by the new name proposed in By-Law No. 6f.
- 15c) : As for 14e.

APPENDIX TO BY-LAWS - PRIZES & AWARDS

- 1) Change the title to -"Canadian Meteorological and Oceanographic Society Awards and Prizes".
- 2) President's Prize: Change "in the field of meteorology" to "in the fields of meteorology or oceanography".

Oceanography within the CMS? (cont'd)

3) Graduate Student Prize:

- i) change to the plural: Graduate Student Prizes.
- ii) Change "of special merit" to "of special merit in meteorology or oceanography".

These proposals are being presented to members at this early date to ensure that appropriate consideration and discussion can take place. My hope is that all opinions, be those of individuals, chapters or centres will eventually find their way back to your Executive and Council. The current schedule calls for Council to meet in February to assess membership reaction to the present proposals and then to formulate the final constitutional amendments which will be circulated prior to and voted on at the Annual General Meeting (Winnipeg, May 1977.) Council is also prepared to consider the possibility of holding a national referendum rather than restrict the vote to those members attending the May 1977 AGM - again your opinions are solicited.

I am personally confident that the changes proposed above will be to the long-term benefit of both the Society and Canadian meteorology. In respect to our Society, the oceanographers have already made a valuable contribution. Admittedly to date this has been most apparent in the research area, as witness the papers presented at the last two congresses or appearing in Atmosphere. It should not be forgotten that oceanographers have contributed, in some cases for many years, to the administrative operation of the Society. Their current rate of addition to our membership has also assisted our financial position. The increased membership and breadth of representation should be seen as providing an opportunity for greater impact of the Society at both local and national levels and within and outside government.

I am sure that some members, when considering the proposals, will ask: "If the oceanographers, why not the hydrologists, agriculturalists etc?" A simplistic answer is that the oceanographers were the one looking for a society "home". The true situation is that for years the CMS has had strong affinities with oceanographers, many of whom have called themselves meteorologists because of the nature of their academic training and in order to fit the society's classification. Their numbers in the Society are now such that we should consider their desire to be specifically recognised. More pedantically, the meteorologist and oceanographer both work in "geophysical fluids" with the two environments interacting strongly at a wide variety of space and time scales.

Oceanography within the CMS? (cont'd)

We are being presented with an opportunity to learn much from the oceanographers as a result of their close proximity. An important question is: "Can we make the most of this opportunity?" Up until now, as mentioned previously, the oceanographers' most visible contribution has been in the scientific research area. It is not necessary to restrict the interaction to that area alone. Indeed, given what I believe to be the Society's current success with both Congress and Atmosphere (both with a research emphasis) we must now pay more attention to our other "flanks" - operational forecasting, applications and the layman/amateur. This need is there, irrespective of our decision on oceanography within the CMS. Now the possibility of success is greater given our increased resources and broadened interests. This Newsletter should be one of the next items of attention, aiming for regularised publication, improved appearance, topical and general interest articles, weather and book reviews and an active correspondence section. Bill Creswick will say "That's what I've been aiming for for years, but I don't receive the material". My hope is that the current assessment of where the Society is going will make every member aware that the apparent success of research and decline of operational, applied and amateur meteorology within our Society are a direct consequence of the first group being the most active and aggressive. Now we see another group, the oceanographers, making their play. Again the Society is showing its willingness to respond to and perhaps adopt the proposals. If now the operational applied and amateur meteorologists would start taking initiatives, even in direct proportion to their relative numbers in the Society, we would have a flourishing and dynamic operation meeting the needs of all its members and achieving its aim - "the advancement of meteorology". The CMS Executive and Council both have a record of being receptive and responsive, but they need the active interest and support of the membership.

Some points to ponder. Although Atmosphere has been established as a research journal it does not have a policy which differentiates between papers of interest to the various groups within meteorology and oceanography. The Newsletter is prepared to publish an even broader range of material. Local centres are extremely anxious to have meetings covering the whole spectrum of meteorology and oceanography. In all cases it is necessary to have material to work with before these content aspirations can be met. Thus the current content of both Society publications generally reflects the material submitted (or not submitted) by you, the Society's members. If there is a need for change, you have the opportunity to make it happen.

Hopefully, I have raised some significant points in this statement, points which you may feel moved to develop or deny. Whatever your views please express them, perhaps by developing this discussion in future issues of the Newsletter. If you have specific comments on the oceanography proposals please forward them to the Society's Corresponding Secretary, Prof. R.B. Sagar, Dept. of Geography, Simon Fraser University, Burnaby, B.C., V5A 1S6.

New Members

The following have been elected to Society membership:

25 May

M. Gilles Bakin, Chicoutimi, Que	M
Dr. D.W. Forrester, Ottawa, Ont	O
Mr. R.A. Gorski, Windsor, Ont	S
Mr. A.J. Maclatchy, Porlets Lake, N.S.	O
Mr. H.L. Mitchell, Montreal, Que	S
Mr. H.H. Watson, Ottawa, Ont	M

18 August

Mr. Robert M. Rabin, Montréal, Que	S
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19 October

Mr. Neil T. Campbell, Ottawa, Ont	O
Mr. Philip N. Garrison, Montreal, Que	M
Dr. George A. Isaac, Downsview, Ont	M
M. Simon M. Kevan, Lachine, Que	M
Dr. Tad S. Murty, Ottawa, Ont	O
M. Germain Roy, Montreal, Que	S
Mr. D. Gerbrand Steyn, Vancouver, B.C.	S
Dr. Bjorn Sundky, Rimouski, Que	O

18 November

Mr. Jay G.E. Anderson, Winnipeg, Man	M
M. Robert Mailhot, St.Leonard, Que	S
Fr. Jim Zusy, Ottawa, Ont	M

New Sustaining members:

Case Existological Laboratories, Victoria, B.C.
 Dr. Neil Sargent, Montreal, Que
 Dr. Phillip Merilees, Montreal, Que

WSC/lcp

W.S. Creswick
 Editor, Newsletter
 Room 508
 2121 Trans-Canada Highway
 Dorval, P.Q.
 (Tel: (514)683-7622)



APPEL GENERAL POUR LES RÉSUMÉS

CALL FOR ABSTRACTS

24ième SYMPOSIUM DE SPECTROSCOPIE CANADIENNE

24th CANADIAN SPECTROSCOPY SYMPOSIUM

convoqué à / to be held at

Le Centre de Conférence du Gouvernement / The Government Conference Centre
Ottawa, Canada

23-26 octobre 1977 / October 23-26, 1977

S.V.P. faire parvenir un résumé d'environ 250 mots de la communication proposée avant le 15 mai, 1977 au

Dr. G. A. Neville, Président de programme,
Santé et Bien-Être Social Canada,
Parc Tunney,
Ottawa, Canada, K1A 0L2.

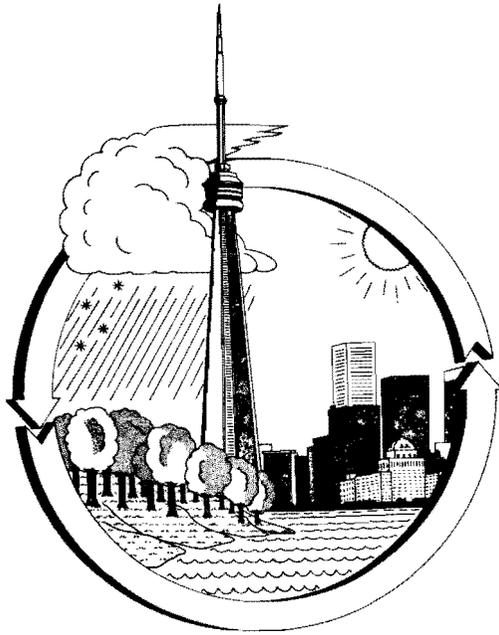
La conférence est commanditée par la Société de spectroscopie du Canada, en coopération avec l'Energie, Mines et Ressources Canada, la Société Canadienne de météorologie, la Société Canadienne de détection à distance et la Division de chimie analytique de l'Institut de chimie du Canada.

SESSIONS PROJETÉES

Spectroscopie atomique et analytique — Spectroscopie d'absorption atomique. Spectroscopie d'émission, y compris l'excitement de plasma par induction couplée. Spectroscopie de fluorescence atomique et moléculaire. Analyse multi-élémentaire simultanée. Spectroscopie de fluorescence des rayons-X. Chimie analytique de mer — Sujets généraux. Conférenciers invités: S.S. Berman, C.L. Chakrabarti, G.D. Christian, S.R. Koirtiyohann, J.P. Matoušek, T.C. Rains, D.E. Ryan, J.C. Van Loon, J.D. Winefordner.

Spectroscopie moléculaire et analytique — Méthodes optiques pour molécules biologiques. Spectroscopie infrarouge, Raman et résonance Raman. Phosphorescence et fluorescence. Dichroïsme circulaire. Théorique. Spectroscopie de masse. Spectroscopie de résonance magnétique. Applications de la spectroscopie aux produits chimiques agricoles, et à l'art et l'archéologie. Sujets généraux. Conférenciers invités: H.J. Bernstein, P.R. Carey, K. Dorrington, W. Galley, J.F. Hanlan, R. Mendelsohn, F.H.A. Rummens.

Sessions par coopération sociétaire — Étalons pour l'analyse chimique de substances naturelles. Signatures spectroscopiques dans la détection à distance. Techniques de spectroscopie en météorologie. Conférenciers invités: E. Coffin, M. Ihnat, J. Rosenfeld, J.J. Ryan.



October 25-27, 1977

Toronto, Canada

Second Conference on Hydrometeorology

Sponsored by

American
Meteorological Society
Canadian
Meteorological Society

Supported by

American Geophysical Union
American Society of Civil Engineers
American Water Resources Association
Canadian Society for Civil Engineering
Canadian Water Resources Association

The American Meteorological Society and Canadian Meteorological Society are cooperating in the Second Conference on Hydrometeorology to be held on October 25-27, 1977 at the Headquarters of the Atmospheric Environment Service and at the Harbour Castle Hotel, Toronto, Ontario, Canada.

In recognition of the importance of meteorology to the practising hydrologist, the first day will be devoted to hydrometeorological techniques and services available to the operational hydrologist (including a display of hydrometeorological resource material). Invited papers will be presented on hydrometeorological aspects of streamflow modelling, water supply, power generation, urban hydrology and on techniques and resource materials currently available to practising hydrologists. Sufficient time will be allotted for audience participation. A highlight of the first day will be an address by the recipient of the Horton Award.

Scientific sessions, for which papers are invited, include remote sensing applications in hydrometeorology, snowfall and snowmelt, hydrometeorological aspects of environmental impacts and hydrologic forecasting and design. There will also be a general session for short presentations concerned with other aspects of hydrometeorology.

Authors should submit titles and short abstracts (200 words) by March 1, 1977 to:

H.L. Ferguson, Program Chairman
Second Conference on Hydrometeorology
Atmospheric Environment Service
4905 Dufferin Street
Downsview, Ontario, Canada
M3H 5T4

Instructions for submitting completed papers for the preprint proceedings will be furnished to those speakers whose papers have been accepted for presentation. Deadline for receipt of final papers will be July 1, 1977.

A second conference bulletin will be issued in Spring 1977 and will include details of the program and planned social events, and registration forms.

Second Conference on Hydrometeorology
Toronto, Ontario, Canada
25-27 October, 1977

Bulletin No. 2 and other announcements pertaining to the Conference will be mailed to ALL who return this preliminary application form.

Please complete, detach and mail to:

T.L. Richards, Chairman
Second Conference on Hydrometeorology
Atmospheric Environment Service
4905 Dufferin Street
Downsview, Ontario, Canada
M3H 5T4

PLEASE TYPE OR PRINT CLEARLY

I plan to attend the Conference.

I am interested in the Conference and would like to receive further bulletins.

I am interested in details of a Ladies Program.

I plan to submit a paper.

Title of proposed paper:

NAME Prof. _____
Dr. _____
Mr. _____ Last name
Mrs. _____
Ms. _____ Given Name

FULL MAILING ADDRESS
