



C.M.O.S. NEWSLETTER / NOUVELLES S.C.M.O.



OCTOBER/OCTOBRE

1982

VOL. 10, NO. 4

TABLE OF CONTENTS

	Page
From the President's Desk	1
New and Sustaining Members	2
17th Annual Congress	3
From Committees and Chapters	4
Letters to the Editor	5
Conferences	8
Advertisement Rates	12
Announcements	2, 3, 4, 7, 12, 15

CHINOOK - BIEN OU MAL?

Vous avez peut-être reçu une ou même deux copies de cette revue populaire? Eh bien, cela a coûté cher à la Société, et nous avons besoin de votre opinion afin de nous aider à prendre les décisions qui s'imposent.

Avertie de la faillite imminente de la revue, l'assemblée générale de mai nous a donné avec enthousiasme le mandat de publier deux numéros de Chinook par année en y incorporant "Les Nouvelles de SCMO", et en diminuant la qualité (couleur), ce qui aurait impliqué un coût minime.

Après de plus amples réflexions, nous trouvons que Chinook serait défiguré par un tel changement, et qu'il perdrait l'attrait qu'il offre au simple abonné. Nous avons aussi découvert qu'il est possible de supporter le "vrai Chinook" grâce à un surplus budgétaire dû au Congrès de 1982 et en puisant dans nos avoirs de \$23 000, incluant \$8 200 du fonds de développement. Finalement, à tout considérer, nous avons décidé de risquer la condamnation des membres et avons autorisé la publication de deux numéros, au coût net d'environ \$3 500 chacun, avec distribution à chaque membre. (Les membres qui étaient déjà abonnés ont reçu deux copies, mais ce problème sera réglé pour le deuxième numéro.)

Avant d'autoriser le troisième numéro de 1982, ce qui nous demanderait d'éponger un déficit d'opération de \$3 000 à \$4 000 à même nos avoirs, nous aimerions recevoir votre avis. Prière de contacter le sous-signé à Suite 805, 151 rue Slater, Ottawa K1P 5H3, tél: 996-4086.

Nous pensons que Chinook a beaucoup de potentiel pour vulgariser la météorologie et l'océanographie, quoiqu'il soit un peu mince en ce moment. Pour nous assurer que la revue peut devenir viable financièrement, nous avons nommé une consultante, Eleanor Kulin, qui évaluera la revue et recommandera les mesures à prendre par notre nouveau comité des Publications. Donc si vous avez de bonnes idées, veuillez les communiquer au président de ce comité, le Dr. René Ramseier à 996-5630, ou à l'adresse légale de la Société.

Richard Asselin
Président



CHINOOK -

A BREATH OF FRESH AIR OR THE SOCIETY IN HOT WATER?

If you were one of the members surprised by the receipt of Chinook magazine a couple of months ago, or even if you weren't, read on. Chinook is a popular meteorological magazine which had been published for a few years before encountering difficult financial times. As you have seen, although it is a bit thin at the moment, Chinook is a colourful and entertaining medium for popularizing meteorology, and it has the potential to do the same for oceanography.

It was for these reasons that the Society was concerned when informed early this year of its imminent demise. The Society was not reaching the high school student or the general public with the Newsletter or Atmosphere-Ocean, and the possibility of using Chinook to do so sparked a collective response at the 16th Annual General Meeting in Ottawa. A motion was therefore passed to permit the Society to assume responsibility for publishing Chinook. Unfortunately, it has not been possible to sort out all the complexities of the take-over ahead of time, but the price of delay could have been an irrecoverable closing of the magazine. Consequently, the AGM agreed to have the Society publish Chinook for a year, and to present a report on the result and the future prospects at the next AGM.

At the time of Congress, discussions between the Society Executive and Mike Newark, the Editor and Publisher, led to a proposal whereby the Society could publish Chinook at a relatively low cost. This scheme involved reducing the publication frequency to twice per year, eliminating the use of colour, and combining Chinook with the Society's Newsletter.

Further reflection upon this scheme made it apparent that if we had proceeded to follow it, Chinook would have become quite a different publication, less attractive and without the broad appeal that it now has. Moreover, a second possibility became apparent: through judicious use of some of the Society's equity or the Development Fund, it would be feasible to continue Chinook with its existing format and frequency by dropping only one issue this year. The Executive duly considered the implications, financial and otherwise, and decided to risk the possible condemnation of the membership by adopting the second scheme. Since everyone was paying for it, it was also decided to distribute Chinook to all Society members, at least until the Banff Congress in 1983. This would afford all members the opportunity to see, at first hand, precisely what it was that the Society was supporting. It would also allow members to make up their own minds as to whether or not the publication of Chinook should continue beyond 1983. (Some members who already subscribe to Chinook received two copies of the last issue; this problem will be remedied by rationalizing the distribution list prior to the next issue.) The net cost to the Society

of the last issue was approximately \$3,500. The next issue is just about in press, and we therefore have a strong moral commitment to publish it at the same cost. However, the fate of the third issue for the year is still open, and it is in part for this reason that Council wishes to inform the membership of the situation regarding Chinook. If we do not publish the third issue, there should be no deficit in the 1982 budget. If we do, a deficit of about \$3,500 will be incurred, and we would then be obliged to draw against the Society's equity (currently \$23,000, including \$8,200 in the Development Fund).

At its recent meeting, Council supported the initiative that the Executive had taken in attempting to continue Chinook in its present format. But it demurred about incurring a budget deficit (suggesting that the membership be informed and consulted through the Newsletter). We therefore welcome your opinions and advice about this undertaking. Please reply to the President, Dr. Richard Asselin, Suite 805, 151 Slater Street, Ottawa K1P 5H3, tel: (613) 995-4086.

Naturally, if Chinook is to survive in the long term, the Society cannot afford to subsidize it quite so heavily in the future. For this reason, we have appointed a consultant, Eleanor Kulin, to thoroughly assess the future financial viability of Chinook, exploring ways to reduce costs and to increase income through publication grants, enhanced advertising revenue or a much wider subscription. This task is being overseen by the new Publications Committee which has been established to coordinate all of the Society's publications. Should you have practical suggestions to enhance Chinook in any way, but particularly its revenue, please communicate them to the Chairman of the Publications Committee, Dr. René Ramseier, Suite 805, 151 Slater Street, Ottawa K1P 5H3, tel.: (613) 996-5630.

Richard Asselin
President

NEW MEMBERS



T.S. Karacostas
Naoussa - Macedonia
Greece
Meteorology

Danny Soucy
Pierrefonds, Quebec
Meteorology

J. Roger Pitblado
Sudbury, Ontario
Meteorology

Doris Siemieniuk
Belleville, Ontario
Meteorology

Araya Desta
Toronto, Ontario
Student, Meteorology

Gerard Neault
Edmonton, Alberta
Meteorology

Gary Borstad
Sidney, British Columbia
Meteorology

Andrej Saulesleja
King City, Ontario
Meteorology

J-P Blanchet
Newmarket, Ontario
Student, Meteorology

Daniel Riseborough
Ottawa, Ontario
Student, Meteorology

CMOS MEMBERS

ADDRESS REQUIRED

Serge Lafrance
No. 802
3450 Hutchison
Montreal, Quebec

Dr. J.A. Stronach
Beak Consultants Ltd.
Richmond, British Columbia

Dan Budinski
Apt. 305
8708 - 106 Street
Edmonton, Alberta

A.H. Umar
202 - 7637 4A Street S.W.
Calgary, Alberta

** Anyone who has information regarding new addresses for the above are asked to contact the Newsletter Editor. **

CORPORATE MEMBERS

NORDCO Ltd.
St. John's, Newfoundland

Aanderaa Instruments Ltd.
Victoria, British Columbia

Frederick Goertz Ltd.
Willowdale, Ontario

Dobrocky Seatech Ltd.
Sidney, British Columbia

Intera Environmental
Consult Ltd.
Calgary, Alberta

FENCO Consultants
Calgary, Alberta

Airflow Developments
Canada Ltd.
Mississauga, Ontario

M.E.P. Ltd.
Downsview, Ontario

Petro Canada
Calgary, Alberta

Canada Oil and Gas
Lands Administration
Ottawa, Ontario

Bristol Aerospace Ltd.
Winnipeg, Manitoba

Panarctic Oils Ltd. Library
Calgary, Alberta

Wellsdale Research Limited
Edmonton, Alberta

Hermes Electronics Ltd.
Dartmouth, Nova Scotia

Alberta Agriculture
Advisory Committee on
Weather Modification
Three Hills, Alberta

Geneq Inc.
Anjou, Quebec

Hymeteq A.L. Ltd.
Downsview, Ontario

MacLaren Plansearch Ltd.
Dartmouth, Nova Scotia

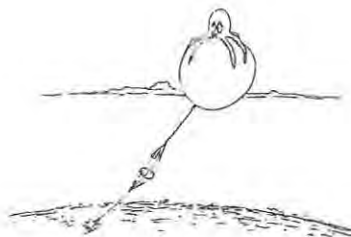
MacDonald, Dettwiler
& Assoc. Ltd.
Richmond, British Columbia

SUSTAINING MEMBERS

A.E. Boyer - Ontario Hydro
Toronto, Ontario

DO YOU REMEMBER THESE?

These cartoon representations of the last CMOS Congress were the product of Dr. Ford Burgwell of the Alberta Research Council.



WE NEED MORE!

Anyone wishing to contribute similar type items for inclusion in the Newsletter, when appropriate, is asked to submit them to the Editor of the Newsletter. Include a "pen" signature if you wish to autograph.

Some themes which are needed which you may consider are:

Christmas issue of the Newsletter
CMOS Congress in Banff
Winter, Spring, Summer, etc.

17TH CMOS CONGRESS
BANFF, ALBERTA

FACILITIES: Banff Springs Hotel, May 1 - 5, 1983.

Meeting rooms reserved

May 2 - Curio Foyer for Registration/Information; plus 6 small rooms for committee meetings - Frontenac (seats 70 theatre style for Council), Victoria, Lacombe, Empress, Duchess, and Princess Rooms. Riverview Lounge for Wine and Cheese.

May 3 - Curio Foyer; Ballroom for Plenary Session, Regular Session and Exhibits (seats 750 theatre (t) style or 250 classroom (c) style); Riverview Lounge (200 t, 100 c); Champlain (80 t); Oak (80 t, 40 c); and Angus (60 t).

May 4 - Ballroom + Conservatory (for Poster session); Alhambra Dining Room (for sessions, also Awards Banquet); Angus; Oak; and Champlain.

May 5 - Alhambra; Champlain; Oak; and Angus.

Room rates are under Special American Plan for registered guests, which includes three set-menu meals (at relatively set-times), gratuities for maids, dining and meeting room staff (\$4.00/day), and the run of the house facilities. Guaranteed rates for May 1983 are:

Single or Twin room with single person \$78.00 + \$4 gratuity
Twin room with two persons \$53.00 + \$4 gratuity
For additional person in room \$46.00 + \$4 gratuity

Children under 14 in room are free and meals are 1/2 price

Normal check-in time is 4 p.m., as Plan starts with dinner on the first night.

PUBLICITY:

The L.A.C. have placed or sent preliminary announcements to B.A.M.S., "Canadian Research", "Hydrological Events", and "Canadian Plains Bulletin". We would welcome information on other outlets for announcements.

REGISTRATION:

Final pre-registration and hotel accommodation reservations will be required by March 15, 1983, as our room bookings with the hotel have to be confirmed with an advance deposit. It has been the experience of past Local Arrangement Committees that an early indication of attendance is invaluable during preliminary planning. Those intending to attend the conference are invited to contact the appropriate L.A.C. registration officer at their earliest convenience.

Le **NEWSLETTER de la SCMO** est une publication bimestrielle de la Société canadienne de météorologie et d'océanographie. Les lecteurs sont invités à soumettre leurs contributions, lettres ou nouvelles, mais la responsabilité des articles et des idées exprimées est dans tous les cas celle de l'auteur. Leurs idées ne sont pas nécessairement celles de la SCMO.

Adresse postale

Dave Mudry
Climatologie glaciaire
Service de l'environnement
atmosphérique
3^e étage
365, avenue Laurier ouest
Ottawa (Ontario)
K1A 0H3

Conseil de rédaction

Rédacteur en chef: Dave Mudry
Rédacteurs adjoints: André Bolduc
Rick Lee

LOCAL ARRANGEMENTS COMMITTEE

for 17th Annual CMOS Congress; May 2 - 5, 1983

Chairman: Dr. John M. Powell
Northern Forest Research Centre
5320 - 122 Street
Edmonton, Alberta T6H 3S5
Bus: 435-7210 (7333); Res: 435-7006

Secretary/Publicity: Karen Finstad (Bus: 432-4498)
and
Leslie Stovel (Bus: 432-5624)
Meteorology Division
Department of Geography
University of Alberta
Edmonton, Alberta T6G 2H4

Treasurer/Registration: Tom Medlicott
Alberta Weather Centre
6325 - 103 Street
Edmonton, Alberta T5H 5H6
Bus: 438-4358; Res: 462-1741

Facilities Convenor: Frank Robitaille
Atmospheric Sciences Division
Alberta Research Council
Terrace Plaza
4405 Calgary Trail, South
Edmonton, Alberta
Bus: 438-1777; Res: 458-2721

Social Convenor: Neil Parker
Arctic Weather Centre
6325 - 103 Street
Edmonton, Alberta T6H 5H6
Bus: 438-4353; Res: 467-2410

Exhibits Convenor: Ed Hudson
Beaufort Weather Office
6325 - 103 Street
Edmonton, Alberta T6H 5H6
Bus: 438-4357; Res: 435-8586

**Scientific Program
Committee Liaison:** John Powell or Frank Robitaille

Alberta Centre Liaison: Chris Sackiw, Chairman
Alberta Centre
Atmospheric Sciences Division
Alberta Research Council
Terrace Plaza
4405 Calgary Trail, South
Edmonton, Alberta
Bus: 438-1777; Res: 474-7864

**Scientific Program
Committee Chairman:** Dr. Geof Austin
Radar Weather Observatory
Macdonald College Post Office
Montreal, Quebec H9X 1C0
Bus: 457-6319

NOTE: A Congress Notice has been placed on the last page of the Newsletter for ease in posting and distributing.

The **CMOS NEWSLETTER** is a bi-monthly publication of the Canadian Meteorological and Oceanographic Society. Readers are encouraged to submit contributions, correspondence, and news of interest; but the responsibility for articles and news rests, in every instance, with their respective authors. Their views are not necessarily those of CMOS.

Mailing Address

Dave Mudry
Ice Climatology
Atmospheric Environment
Service
Third Floor
365 Laurier Avenue West
Ottawa, Ontario
K1A 0H3

Editorial Board

Editor: Dave Mudry
Associate Editors: André Bolduc
Rick Lee

TENTATIVE PROGRAM OUTLINEOTTAWA CHAPTERCMOS1982 Dates of Coming Events:

1. Wednesday, November 7, 1982 - Luncheon Meeting
Control Tower,
Officer's Mess
2. Wednesday, December 15, 1982 - Evening Wine/Cheese
(Wives to be included)

Dear CMOS Member:

I would like to extend a warm welcome to you, the members of the Ottawa Chapter of CMOS, for the 1982/83 program year. I am Brian O'Donnell, the Chairman of our Chapter for the coming year. I have attached a list of the names and addresses of our Executive, for your information.

On August 4, the Executive met to set out this year's program. We agreed on a theme "Meteorology and Oceanography - Friends and Associates" that would encompass the society's objectives to increase its associate membership and encourage a dialogue between CMOS members and the primary users of meteorological and oceanographic information, such as those involved in media, forestry, agriculture, fishing, energy development, etc.

I look forward to an active year for the Ottawa Chapter of CMOS. I hope we can increase our professional membership, particularly from the oceanographic community, and our associate membership. I think our program will be informative and entertaining and that our project proposals will be challenging. I encourage your active participation.

Yours sincerely,

B.J. O'Donnell

45TH MEETING OF THE SCIENTIFIC COMMITTEE OF THE
CANADIAN METEOROLOGICAL AND
OCEANOGRAPHIC SOCIETY

The fall meeting of the Committee is planned for **November 22, 1982**, at AES Headquarters in Downsview. Agenda items are expected to include:

- meteorological and oceanographic satellite data
- Canadian computer facility
- Mesoscale Meteorological Research Planning Workshop
- liaison with special interest groups
- budget items
- nomination for the CNE/IUGG

among other topics.

The meeting is open to the membership of the CMOS.

G.J. Boer, Chairman
CMOS Scientific Committee

Business AddressHome AddressChairman

Mr. B.J. (Brian) O'Donnell
Senior Policy Analyst
Atmospheric Environment Service
Environment Canada
Les Terrasses de la Chaudière
HULL, Quebec K1A 0H3
(819) 997-3511

19 Redfox Place
KANATA, Ontario
K2M 1C8
(613) 592-4920

Vice-Chairman

Mr. R.J. (Bob) Jones
Policy, Planning and Assessment
Atmospheric Environment Service
Environment Canada
Les Terrasses de la Chaudière
HULL, Quebec K1A 0H3
(819) 997-3511

24 Higgins Road
NEPEAN, Ontario
K2G 0R5
(613) 820-6336

Secretary-Treasurer

Mr. B.R. (Bruce) Ramsay
Ice Forecasting Central
Atmospheric Environment Service
Environment Canada
365 Laurier Avenue, West
Journal Tower South, Third Floor
OTTAWA, Ontario K1A 0H3
(613) 996-5236

46 - 920 Dynes Road
OTTAWA, Ontario
K2C 0G8
(613) 226-2488

Membership Officer

Mrs. R. (Becky) Milo
Directorate of Meteorology and
Oceanography
National Defence Headquarters
OTTAWA, Ontario K1A 0K2
(613) 995-4086

73 Pineglen Crescent
NEPEAN, Ontario
K2G 0G9
(613) 226-2375

Member-at-large

Mr. D.R. (Rob) Inkster
Intera
785 Carling Avenue, 4th Floor
OTTAWA, Ontario K1S 5H4
(613) 563-4343

23 Woodhill Crescent
OTTAWA, Ontario
K1B 3B7
(613) 824-6765

Past-President

Mr. G.M. (Gord) Shimizu
Policy, Planning and Assessment
Environment Canada
27th Floor
Les Terrasses de la Chaudière
HULL, Quebec K1A 0H3
(819) 997-3511

206 Holmwood Avenue
OTTAWA, Ontario
K1S 2P7
(613) 235-7610

NOTICE TO MEMBERSHIP

Any new committees formed within the auspices of CMOS are asked to contact the Corresponding Secretary (Mr. John Falkingham - address on back page of the Newsletter) for a list of guidelines and CMOS policy.

NOTES OF INTEREST

CMOS Local Arrangements Committee, Ottawa XVI Congress, May 1982. A few notes from the Secretary-Treasurer's report are as follows:

Registration:	221 members
	61 non-members
	19 students
	8 retired members
Exhibits:	19 booths
Banquet Attendance:	350
Total Expenses:	\$19,948.47
Net Profit:	\$ 7,216.63

LETTERS TO THE EDITOR

I attended the May 1982, 16th Annual Congress of CMOS. With the number of papers being presented during the time available, it was not possible to listen to all of interest to us. It was hoped that mimeographed or Xerox copies would be available or would be issued after the Conference.

For our studies of icebreaking ships to operate all year in the High Arctic, we are interested in obtaining copies of the following papers:

- Sea-Ice Problems and Research Needs
G.N. Ewing
- The Role of Sea Ice in the Global Climate System
J.E. Walsh
- Icebergs
G.R. Peters
- Ice Detection - Ice Warning
J.B. Mercer
- Microwave Emissions from Sea Ice
Frank E. Bunn, Frank W. Thirkettle, René Ramseier
- Mapping and Display Techniques Used for Computer Automated Satellite Imagery Sea-Ice Mapping Products
Frank W. Thirkettle, Frank E. Bunn
- Quantitative Ridge Height Estimates from SAR
Martin F. Price, F.G. Bercha and Associates Ltd.
- Historical Ice Cover of Northwestern Baffin Bay
John D. Miller
- Early Winter Ice Motion in Hudson Bay
W.E. Markham
- Fluctuations in Sea-Ice Conditions in the Queen Elizabeth Islands
B. Alt, D.A. Fisher, R.M. Koerner
- The Detection of Icebergs in a Sea-Ice Background Using AES SLAR
D. Lapp
- A Study of Long-Term Satellite-Tracked Iceberg Drift in Baffin Bay and Davis Strait
J.R. Marko, J.R. Birch, M. Wilson
- Iceberg Distribution Along the Labrador Coast as Determined by Side-Looking Airborne Radar
H.G. Hengeveld, D. Mudry
- The Effect of Averaging Period of Iceberg Velocity
L.M. Wilson
- Estimate of Iceberg Volume by Aerial Photogrammetry
E. Krakowski, E. Leavitt, W. Spring
- Analysis of Multi-Stage Imagery of Sea Ice in Viscount Melville Sound, N.W.T.
Alan R. Sneyd, Bharat Dixit
- Variability of Ice Floe Motion in Lancaster Sound and Western Baffin Bay
D.M. Nazarenko, D.E. Pearson
- Summer Distribution of Icebergs and Sea Ice in Northwestern Baffin Bay and Lancaster Sound
D.E. Pearson
- Seasat Scatterometer Measurements of Arctic Ice
S. Peteherych, D. Laurin

There are a number of these papers which are pertinent to our studies and would be useful for future reference in the next few years.

Would you advise me if copies of the above could be obtained?

Yours truly,

Douglas Simpson, P.Eng.
Senior Engineer
Business Development
Trans Canada Pipelines
Toronto, Ontario

This letter explains quite clearly the need for the preparation of CMOS Congress Proceedings, of which I am in favour. In order to handle requests such as this, it is asked that a two-page summary of all technical presentations made during the 16th Congress in Ottawa be forwarded to:

Ice Climatology and Applications Division
Ice Centre
Environment Canada
Room 345
365 Laurier Avenue West
Ottawa, Ontario K1A 0H3

Photocopies of slides used and any other relevant material on which these presentations were based should be included. It is not asked that the authors spend unnecessary time and effort in preparing something for publication, as this is not the intent. In this regard, substance rather than quantity and quality is sought.

D. Mudry
Editor

CMOS AND HUMAN RIGHTS

The following letter from Henry Leighton has inspired a certain amount of controversy within the Executive and Council of the Society. As Past-President, I would like to put it into context so that individual members will be aware of what has transpired. If you have strong opinions about the letter or about the human rights of scientists, and if you feel that the Society should or should not be involved in this issue, do let the Council know. I am happy to serve as the recipient of any correspondence with Council about this matter.

About two years ago, when I was Vice-President of the Society, I received a letter from the Canadian Committee of Scientists and Scholars requesting us to establish a liaison with them. The CCSS is an ad hoc group of eminent Canadian scientists and scholars who are attempting to stimulate action by Canadian scientists on behalf of a number of foreign scientists who have been imprisoned or worse because of the public expression of their political views. I believe the CCSS wrote to a large number of Canadian scientific societies at that time with a similar request. After much debate, Council agreed in May 1981 to appoint Professor Henry Leighton as our liaison. This was not construed as an endorsement by the Society of the CCSS's aims or opinions. Rather, it was intended as a vehicle whereby CMOS members could be made aware of human rights issues as they concern scientists, and, should they feel so constrained, take appropriate individual action. For the time being, Council felt that the Society collectively should not become involved with any letter-writing campaigns, or other forms of political advocacy. Thus, this letter from Henry Leighton appeared in the Newsletter for information purposes only. It does not reflect Society policy. However, I would be interested to learn if there are members who wish to respond individually to this letter or who would like to see the Society undertake a collective action of some sort. Conversely, I would welcome the opinions of those who might urge that the Society should avoid involvement in such issues. Either way, I welcome your response.

Edward Lozowski
Past-President, CMOS
Suite 805, 151 Slater Street
Ottawa, Ontario K1P 5H3

THE CANADIAN COMMITTEE OF SCIENTISTS AND SCHOLARS

At the May 1981 meeting of Council I was asked to act as a liaison between the Society and the Canadian Committee of Scientists and Scholars (CCSS). At the following meeting in October, Council voted in favour of informing members of the Society of the activities of the CCSS via the Newsletter.

The CCSS is a small, voluntary Committee whose purpose is to enable Canadians to speak out collectively and effectively against suppression. It was formed initially to protest against the internal exile of Andrei Sakharov and since then has concentrated its protests on a few key cases in the belief that success in these cases will have a spill-over effect on others. Measures have been taken by the CCSS to protest actions in Argentina, in El Salvador and elsewhere, but the main on-going concerns of the CCSS have been to protest the imprisonment of Professor J.L. Massera (mathematician) in Uruguay and Yuri Orlov (physicist), Anatoly Shcharansky (computer scientist), Andrei Sakharov (Nobel Laureate physicist) and Victor Brailovsky (applied mathematician), all four in the U.S.S.R.

The following paragraphs extracted from the last Annual Report of the CCSS describe in more detail the activities of the CCSS.

"At the call of the CCSS, hundreds of Canadians wrote to the Ambassadors of the U.S.S.R. and Uruguay in the name of humanity for the release from prison of Massera, Orlov and Shcharansky. When the Soviet police seized Brailovsky and suppressed the purely scientific Seminar which he directed, more than 2,000 academics in Canada authorized the CCSS in writing to protest to the Soviet Ambassador.

On March 27, 1981, a delegation of six attempted to call on the two Ambassadors in Ottawa. The delegation, led by Senator Eugene Forsey and Dr. Gerhard Herzberg, Nobel Laureate physicist, included Professor V. Linis, official representative of the Canadian Mathematical Society, Dr. V. Sims, official representative of the Canadian Association of University Teachers, along with the Chairman and Secretary of the CCSS.

- i Uruguay. Professor Massera, now 65, was seized and savagely tortured for political reasons more than 5 years ago. He has been in prison since then. Massera is honoured by the world mathematical community not only for his original research in differential equations but also because of his scientific contributions to Uruguay: he, as the outstanding modern mathematician of his country, founded and developed its school of modern mathematicians. In March 1981 he was awarded an honorary degree by the University of Nice. A post as Professor of Mathematics at the University of Paris is now waiting for him, waiting for the Government of Uruguay to let him go.

The Ambassador of Uruguay was contacted by telephone the previous day, but when the delegation arrived at his door it was barred by a guard to prevent entrance.

All communications from the CCSS will henceforth be stamped: Uruguay is where Professor Massera is in prison.

- ii The U.S.S.R. The CCSS delegation was received, with friendly hospitality, not by the Ambassador, but by two counsellors. When the delegation began a serious discussion the counsellors objected with some heat. The scientists in question, they said, were criminals because they had acted against the laws of the country (Dr. Forsey commented that this attitude could also be found in Chile).

But at the end of the discussion there was a remarkable change. The counsellors agreed that the delegation expressed the feelings of the senior scientists and scholars of Canada, and that their purpose was to make suggestions that could lead to improved cooperation. The counsellors asked: if the four scientists were released, what actual improvement would result and what further lists of scientists in the U.S.S.R. would be put before them by foreign scientists?

The delegation replied that it could not predict the future but it was certain that continued imprisonment of these four would make cooperation more and more difficult, whereas their release would be a step forward."

The CCSS includes amongst its members the following prominent Canadians: Chairman, Eric Fawcett; Secretary, Israel Halperin, FRSC; Margaret Atwood, Robert Bell, FRSC; Pierre Berton, O.C.; Harold Copp, CC, FRS, FRSC; Robertson Davies, CC, FRSC; Gerhard Herzberg, Nobel Laureate, CC, FRS, Foreign member of the National Academy of Sciences, FRSC; Anton Kuerti; as well as about twenty other equally well-known members.

The broader the support that the CCSS receives the more effective it is likely to be. The CCSS invites you to do the following:

- i make a modest financial contribution (cheques payable to CCSS);
- ii ask friends and colleagues to send the CCSS letters of support;
- iii encourage the leaders of groups (professional, social, cultural, etc.) to write directly to the two embassies, with copies to the CCSS asking for the release of (in the U.S.S.R.) Orlov, Shcharansky, Sakharov and Brailovsky, and (in Uruguay) Professor Massera. The addresses of the Ambassadors are:

Dr. Alexander Yakolev
Ambassador of the U.S.S.R.
285 Charlotte Street
Ottawa, Ontario K1N 8L5

Dr. Raoul Benavidez
Ambassador of Uruguay
40 Boteler Street
Ottawa, Ontario K1N 9C8

Correspondence to the CCSS should be sent to:

Professor Israel Halperin
Secretary of the CCSS
39 Elm Ridge Drive
Toronto, Ontario M6B 1A2

Signed,
Henry Leighton

PUBLICATIONS COMMITTEE

The first Publications Committee meeting was held in the board room at the Ice Centre in Ottawa on October 12, 1982. It was attended by:

R.O. Ramseier	-	Chairman
Becky Milo	-	Advertising Manager
D. Mudry	-	Newsletter
H. Leighton	-	Atmosphere-Ocean
M. Newark	-	Chinook
Stewart Cohen	-	Climatological Bulletin
Wayne Johnston	-	University of Toronto Press

The Minutes of this meeting will be published in the next issue of the Newsletter. In response to a call for more information regarding these publications, advertising rates and guidelines for contributions have been published in the advertising section as received.

Corresponding Secretary
Canadian Meteorological & Oceanographic Society
Suite 805, 151 Slater Street
Ottawa, Ontario K1P 5H3

The Royal Canadian Geographical Society brings to your notice the Massey Medal of the Society which is awarded annually for "outstanding personal achievement in the exploration, development or description of the geography of Canada." We wish to ensure that all persons worthy of the award should be brought to notice. Please remember that this is an award for an individual, and not for any team effort or collective achievement.

Selection for the award will be made early in November, and the medal presented to the winner by the Governor General at a special ceremony early next year. If the recipient does not live in Ottawa, he or she will be brought to Ottawa for the ceremony.

Attached hereto are 1) the terms of reference for the award.

Nominations for the award for 1982 should include essential biographical details such as date and place of birth, formal education, and work on which the recommendation is based. A bibliography of published works is also helpful, but please do not supply material running to book length. A massive submission is not desirable. Documentation has to be copied by us for distribution to seven committee members, all of whom are busy people. Most essential and helpful: a typed introductory summary (not to exceed 2pp.) which states briefly who the nominee is, what position he or she holds, why he or she is being nominated, and what are the main achievements of the nominee which relate to the Massey Medal. To be considered, material must be received at the Society's offices in Ottawa not later than November 5, 1982.

A final request: please look outside your organization, as well as within, when considering who might be an outstanding nominee.

J. Keith Fraser
Executive Secretary

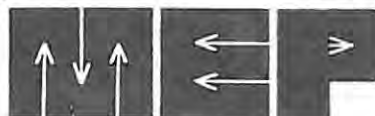
THE MASSEY MEDAL OF THE ROYAL CANADIAN GEOGRAPHICAL SOCIETY

- 1 This is to be a silver gilt Medal to be presented by the Massey Foundation and to be awarded annually by the Society.
- 2 The Medal to be given for outstanding personal achievement in the exploration, development or description of the geography of Canada.
- 3 The award to be limited to Canadian citizens; however, it may be awarded to someone other than a Canadian in special circumstances, subject to agreement by the Massey Foundation.
- 4 The award to be withheld in a year in which no candidate entirely fulfils the requisite qualifications.
- 5 The successful candidate to be asked to come to Ottawa and receive the award from the Governor General of the day.
- 6 The cost of the Medal and the travelling expenses of the recipient each year, to be met by the Foundation.
- 7 The Medal to be known as "The Massey Medal".

ADDENDUM TO A LETTER IN THE LAST ISSUE

For those who have read the letter by Benoit and Mitchell on the case of the Soviet scientists (Dikii et al.) and want to take action, additional information and a correspondence file is available by writing to the authors:

R. Benoit and H. Mitchell
Division de Recherche en Prévision Numérique
2121 Trans-Canada Highway North
Dorval, Québec
CANADA H9P 1J3



METEOROLOGIST S

MEP (Meteorological and Environmental Planning Limited) is a progressive privately owned consulting company specializing in the application of Meteorology and Oceanography for industrial use.

THE FORECAST OPERATIONS DIVISION of MEP has two positions available for meteorologists interested in specialized forecasting for agricultural, air pollution, aviation and marine activities.

1. DIRECTOR OPERATIONAL SERVICES -

To organize and supervise all forecast operations, client liaison, forecast applications development and business development. Salary Range 35K to 45K depending on experience and qualifications.

2. FORECASTERS -

To carry out forecasting duties in support of Operational requirements. Salary Range 25K to 35K depending on experience and qualifications.

Successful candidates should have comprehensive knowledge of synoptic meteorology and operational procedures as would normally be obtained from a government sponsored forecasting course. Additional in-house training in specialized areas will be available to successful candidates. An understanding of computer techniques would be an asset.

MEP offers excellent compensation and a comprehensive benefit package, as well as the opportunity to become personally involved with a rapidly growing meteorological consulting company.

ALL APPLICATIONS WILL BE HELD IN STRICT CONFIDENCE.

Interested persons are invited to submit a letter of application or phone (416) 661-5960 for additional information.

FORECAST OPERATIONS DIVISION
MEP COMPANY
850 MAGNETIC DRIVE
DOWNSVIEW, ONTARIO
M3J 2C4

A NOTE OF THANKS

Mr. P.J. Kociuba, who was last year's Corresponding Secretary to CMOS, has carried on the responsibility for maintaining the present Society mailing list. On behalf of the Newsletter editorial body and new Executive, may I express sincere thanks for his continued assistance in this regard.

D. Mudry,
Editor

CONTRIBUTORS TO NEWSLETTER MATERIAL

People who contribute articles for printing in the CMOS Newsletter are asked to submit their material typewritten and single spaced on 8 1/2 x 11 inch white bond. Text should be arranged in a 5.0-inch-wide column (maximum line length) to facilitate photoreduction.

NEXT ISSUE: December, 1982.

PRESS DEADLINE: December 3, 1982.

INVITATION À LA CONFÉRENCE DU CENTENAIRE
DU SERVICE HYDROGRAPHIQUE DU CANADA

LES MARDI, MERCREDI, JEUDI ET VENDREDI
5, 6, 7 ET 8 AVRIL 1983

CENTRE DE CONFÉRENCES DU GOUVERNEMENT DU CANADA
2, rue Rideau
Ottawa, Ontario

PARRAINÉE PAR:

Le SERVICE HYDROGRAPHIQUE DU CANADA et
L'ASSOCIATION DES HYDROGRAPHES DU CANADA

Le Service Hydrographique du Canada

Au Canada, l'hydrographie a débuté à l'époque où la marine impériale française et la marine royale britannique fournissaient des services hydrographiques à leurs marines marchandes et militaires respectives. Ces pays luttèrent en vue de l'obtention du Canada comme colonie.

Le SHC fut fondé en 1883 et continua la tâche entreprise par la France et la Grande-Bretagne. Au début du vingtième siècle, le Service assumait les responsabilités additionnelles des levés hydrographiques, de l'étude des marées et de la production de cartes marines.

Cette conférence a pour but de commémorer le dernier centenaire de l'hydrographie au Canada et mettant en évidence la contribution des premiers hydrographes et les développements à venir dans le domaine des sciences marines.

Communications

Les sujets des communications ainsi que leur résumé doivent être soumis pour le 30 septembre 1982. Leurs contenus finals et les notes biographiques s'y adjoignant doivent être soumis pour le mois de janvier 1983, ceci afin d'en permettre la distribution pour la tenue de la conférence. Des comptes-rendus (et aussi les communications) seront distribués peu après la conférence.

Expositions, Visites Guidées et Activités Sociales

Au cours de cette conférence des expositions auront lieu au centre de conférences ainsi que des visites guidées à diverses institutions du gouvernement fédéral. Un programme d'activités sociales vous sera fourni.

Hébergement

Des réservations de chambres d'hôtels ont été faites aux endroits suivants: le Château Laurier, le Skyline, le Lord Elgin, et le Holiday Inn.

Renseignements

Pour de plus amples renseignements, s'adresser à:

Sheila Acheson
Secrétaire de la Conférence
Conférence du Centenaire du Service
Hydrographique du Canada
Chambre 337
615, rue Booth
Ottawa, Ontario K1A 0E6
(613) 995-6179



CANADIAN HYDROGRAPHIC SERVICE
CENTENNIAL CONFERENCE

TUESDAY, WEDNESDAY, THURSDAY AND FRIDAY
APRIL 5, 6, 7 AND 8, 1983

CANADIAN GOVERNMENT CONFERENCE CENTRE
2 Rideau Street
Ottawa, Ontario

SPONSORED BY:

the CANADIAN HYDROGRAPHIC SERVICE and
the CANADIAN HYDROGRAPHERS' ASSOCIATION

The Canadian Hydrographic Service

Hydrography in Canada began when both the Imperial French Navy and the Royal British Navy provided a service to the military and merchant marine, during competition for control of Canada.

The Canadian Hydrographic Service was formed in 1883, continuing work begun by France and Britain. In the early twentieth century the Service broadened its scope of activities to include all aspects of hydrographic surveying, including tidal studies and navigational chart production.

The Conference will commemorate the past 100 years of hydrography in Canada, by reviewing the achievements of the early hydrographers, and by predicting future developments in the marine sciences.

Papers

Papers are invited, with abstracts to be submitted before 30 September 1982. Papers are to be submitted in their entirety, with biographical notes, by January 1983, so that they may be available prior to the Conference. Proceedings (including papers) will be prepared for distribution shortly after the Conference.

Displays, Tours and Social Program

Exhibitor's displays will be located at the Conference Centre during the Conference. Technical tours to federal government establishments will take place during the Conference. A social program will be provided.

Accommodation

Hotel rooms have been reserved at the Chateau Laurier, the Skyline, the Lord Elgin, and the Holiday Inn.

Further Information

For further information, contact:

Sheila Acheson
Conference Secretary
Canadian Hydrographic Service
Centennial Conference
Room 337
615 Booth Street
Ottawa, Ontario K1A 0E6
(613) 995-6179

This Scientific Committee of the Canadian Meteorological and Oceanographic Society is sponsoring a planning workshop on a proposed Canadian Mesoscale Meteorological Research Program to be held 24-26 January 1983 at AES Headquarters in Downsview.

The purpose of the planning workshop is to review the status of mesoscale meteorology in Canada, to identify areas of particular Canadian interest, concern and expertise and to recommend a specific course of action to the Canadian meteorological community. A major product of the workshop will be a review and planning document for a Canadian Mesoscale Meteorological Research Program.

The program of the workshop is indicated below, together with the working groups and their chairmen.

Plan of Meeting - January 1983

TIME	Monday Jan. 24	Tuesday Jan. 25	Wednesday Jan. 26
9:00 - 10:30		Modelling	Working Groups (All day)
11:00 - 12:30	Overview and Problem Definition	Forecasting	
13:30 - 15:00	Phenomenology	Planning	Plenary Session (All day)
13:30 - 15:00	Observations	Working Groups	

Working Groups (Chairmen):

1. Overview and problem definition (G. Isaac)
2. Phenomenology (H.-R. Cho)
3. Observations (R. Humphries)
4. Modelling (R. Benoit)
5. Forecasting (I. Rutherford)
6. Planning (G. McBean)

If you or your colleagues are interested in participating in the workshop, please complete the form and return by November 30, 1982. Further information concerning the meeting will be forwarded as it becomes available.

G.J. Boer, Chairman
CMOS Scientific Committee

Return to: L. Smith, Secretary
Canadian Mesoscale Meteorological
Research Program
Planning Workshop
Canadian Climate Centre/CCRN
Atmospheric Environment Service
4905 Dufferin Street
City of North York
Downsview, Ontario
M3H 5T4

I am interested in attending the Planning Workshop on a Canadian Mesoscale Meteorological Research Program. I am interested in participating in WG number ____.

NAME: _____

ADDRESS: _____

TELEPHONE: _____

Le Comité scientifique de la Société canadienne de météorologie et d'océanographie organise un atelier de planification sur un projet de Programme canadien de recherches en mésométéorologie. L'atelier se tiendra du 24 au 26 janvier 1983, à l'Administration centrale du SEA, à Downsview.

Le but de l'atelier de planification est de revoir la situation de la mésométéorologie au Canada, de déterminer les champs d'intérêt et les domaines de compétence du Canada et de proposer une ligne de conduite précise au monde canadien de la météorologie. L'un des principaux résultats de l'atelier consistera en un document de révision et de planification pour un Programme canadien de recherches en mésométéorologie.

Voici le programme de l'atelier ainsi que la liste des groupes de travail et de leurs présidents.

Plan des réunions de janvier 1983

Heure	Lundi 24 janvier	Mardi 25 janvier	Mercredi 26 janvier
9 h à 10 h 30		Modélisation	Groupes de travail
11 h à	Vue d'ensemble et définition du problème	Prévision	
13 h 30 à 15 h	Phénoménologie	Planification	Séance
15 h 30 à	Observations	Groupes de travail	Plénière

Groupes de travail (Présidents)

1. Vue d'ensemble et définition du problème (G. Isaac)
2. Phénoménologie (H.-R. Cho)
3. Observations (R. Humphries)
4. Modélisation (R. Benoit)
5. Prévision (I. Rutherford)
6. Planification (G. McBean)

Si vos collègues ou vous-même êtes intéressés à participer à l'atelier, veuillez remplir le formulaire et l'envoyer avant le 30 septembre 1982. On vous enverra d'autres renseignements sur la réunion lorsqu'ils seront disponibles.

G.J. Boer, Président
Comité scientifique de la SCMO

Retourner à: L. Smith, secrétaire
Programme canadien de recherches
en mésométéorologie
Atelier de planification
Centre climatologique canadien/CCRN
4905, rue Dufferin
Ville de North York
Downsview (Ontario)
M3H 5T4

Je suis intéressé à assister à l'atelier de planification sur le Programme canadien de recherches en mésométéorologie. Je suis intéressé à participer au GT numéro ____.

NOM: _____

ADRESSE: _____

N° DE TÉLÉPHONE: _____



VIII^e SYMPOSIUM CANADIEN DE TÉLÉDÉTECTION
VIIIth CANADIAN SYMPOSIUM ON REMOTE SENSING
IV^e CONGRÈS DE L'ASSOCIATION QUÉBÉCOISE DE
TÉLÉDÉTECTION

UNIVERSITÉ DU QUÉBEC À MONTRÉAL
Montréal, Québec, Canada
3 - 6 Mai/May 1983



Call for Papers

General Theme:

Integration of remote sensing in resources management, by opening discipline barriers and by using multisource geographic information systems.

Specific Topics:

- Instrumentation and methodology
- Environmental information systems as integration tools
- Cartography
- Atmosphere, climate and meteorology
- Water, ice, oceans
- Agriculture and land use
- Forests, range lands and wilderness areas
- Geology and geophysics
- Education and technology transfer

A special session will be devoted to simulation of data from future satellite programs such as Landsat-D, SPOT or Radarsat.

Deadline:

Authors of contributed papers are asked to send a 600-word abstract by November 15, 1982, to the following address:

Dr. Ferdinand J. Bonn
Laboratoire de Télédétection
Département de géographie
Université de Sherbrooke
Tél.: (819) 565-4523

Appel de communications

Thème général:

Intégration de la télédétection dans les processus de gestion des ressources, par une ouverture interdisciplinaire et l'utilisation de systèmes d'information multisources à base spatiale.

Thèmes particuliers:

- Instrumentation et méthodologie
- Les systèmes d'information sur l'environnement comme outil d'intégration
- Cartographie
- Atmosphère, climat et méthodologie
- Eau, glace, océans
- Agriculture et utilisation du sol
- Forêts, prairies et espaces naturels
- Géologie et géophysique
- Éducation et transfert de technologie

Une session spéciale sera consacrée aux simulations d'images des satellites futurs tels que Landsat-D, SPOT et Radarsat.

Date limite:

Les auteurs sont priés d'envoyer un résumé d'environ 600 mots de leur communication, avant le 15 novembre 1982, à l'adresse suivante:

CMOS/AMS
SECOND CALL FOR PAPERS
APRIL 11-15, 1983

9TH INTERNATIONAL CONFERENCE ON CLOUD PHYSICS

TALLINN, ESTONIA, U.S.S.R.

21 - 28 AUGUST 1984

The 9th Conference under the aegis of the International Commission on Cloud Physics (ICCP) of IAMAP will be held at Tallinn on the shore of the Baltic. Sponsors and hosts will be the Soviet and Estonian Academies of Sciences and the Committee on Hydrometeorology of the U.S.S.R. The program will be arranged by an international committee of which Brant Foote, P.V. Hobbs and R.R. Rogers are North American Members, I. Mazin is chairman, and on which W.F. Hirschfeld, President of ICCP, serves ex officio. The AMS and other meteorological societies are in effect cosponsors by helping to distribute information.

A First Circular and call for papers can be obtained from Dr. I. Mazin, Soviet Geophysical Committee, Molodezhnaya 3, 117296 Moscow, B-296, U.S.S.R. A Second Circular is planned for December 1983 and the final Program will be available in June 1984. Deadlines for submission of Abstracts and of the Extended Abstracts for accepted papers are June 1983 and January 1984, respectively.

Topics will include micro, meso and macrostructure of clouds, cloud systems and precipitation; microphysics, cloud dynamics and thermodynamics; clouds and radiation; modelling; instrumentation. Invited papers will include summaries on cloud chemistry, atmospheric electricity, weather modification, and nucleation. The Conference will be one of an international series in Europe on related topics: Workshop on noctilucent clouds, Tallinn, 17 - 20 August; 11th Conference on atmospheric aerosols, condensation and ice nuclei, 2 - 7 September, Budapest; NOWCASTING II, Norrköping, Sweden, 3 - 5 September; and 22nd AMS Conference on radar meteorology, Zurich, 10 - 13 September.

The Fifth Symposium on Meteorological Observations and Instrumentation, sponsored by the Americal Meteorological Society and the Canadian Meteorological and Oceanographic Society, will be held 11-15 April 1983 at the Loews Westbury Hotel in Toronto, Ontario, Canada. The AMS Committee on Atmospheric Measurements will organize the technical program through a local program committee.

It is emphasized that the Symposium covers meteorological observations, instrumentation, questions of data needs and representativeness, the maintenance of accuracy in operational networks, complex data processing, modeling techniques, and new technologies. Papers are solicited on this full range of subjects. Presentation time will be limited to a maximum of 20 minutes per paper.

An exhibit of meteorological sensors and equipment will form part of the symposium. Prospective exhibitors should contact Mr. Dave Dockendorff at the address listed below or telephone (613) 667-4668.

Contact the symposium chairman for information regarding the presentation of papers:

William L. Clink
Atmospheric Environment Service/ACSL
4905 Dufferin Street
DOWNSVIEW, Ontario, Canada M3H 5T4

(tel: (416) 667-4650.

INTERNATIONAL GLACIOLOGICAL SOCIETY
NORTH-EAST NORTH AMERICA BRANCH,
BIENNIAL MEETING
4 - 6 MARCH 1983

This year the NENA IGS meeting will be held in Waterville Valley, New Hampshire. Registration will take place on Friday afternoon, 4 March, with sessions starting Friday evening and proceeding through Saturday morning. A banquet, followed by slides and/or movies, will be held on Saturday evening. Brochures concerning accommodations and entertainment in Waterville Valley will be provided upon registration or upon request.

Papers: As in the past, we hope to have about 20 papers, each of about 15 minutes duration. The papers may be on any glaciological topic, preference being given to recent work. Students are encouraged to present their work. General interest slides are encouraged for Saturday evening after the banquet. Room for poster presentations will be provided as needed.

Accommodations: **

Price per adult - U.S. \$120.00, which includes:

- room for 2 nights, based on double occupancy (single rooms are U.S. \$19.00 additional/night)
- dinner on Friday
- Friday night "Icebreaker"
- all meals on Saturday
- breakfast on Sunday
- all taxes and gratuities

Prices for children (based on children sharing a normal room with adults):

- children under 12:
room is free and meals to be determined
- children 12 and over:
room and meals to be determined

Registration:

1. A registration fee of U.S. \$20.00 will be charged for every adult except students (U.S. \$15.00) to cover the costs involved in organizing the meeting and the extra costs involved with the banquet.
2. An additional registration fee of U.S. \$45.00 will be applied to your accommodations.

Sports: Bring your own cross-country and/or downhill skis and/or skates for winter activities on Saturday afternoon and/or Sunday morning. Lift rates for downhill skiing will be provided in the February brochure. Skiing equipment can also be rented.

Deadlines:

Please reply to this circular and pay registration fee (Students - U.S. \$60.00; Non-students-U.S. \$65.00) no later than 30 November 1982.

Cancellation without penalty for accommodations can be made up to 1 February 1983. For further information, contact Mariellen C. Lee at the address below.

Abstracts:

Please submit an abstract for your paper by 31 January 1983 to:

Mariellen C. Lee
Ocean Process Analysis Laboratory
Earth Sciences, James Hall
University of New Hampshire
Durham, New Hampshire 03824
U.S.A.

**** Please Note:**

- Student room rates are available on a first come, first serve basis in adjoining hotels (U.S. \$10.00 savings on total package).
- If Sunday night accommodations are required, the special package price for this meeting does not apply, but a third night discount is available upon request. World Cup competitors will be coming to Waterville Valley on Sunday, 6 March, so reservations for this evening need to be made well in advance.

CONFERENCE ON CLIMATE/ENERGY INTERACTIONS,
JANUARY 10-12, 1983, NEW ORLEANS, LOUISIANA, U.S.A.

A Conference on Climate/Energy Interactions will be held January 10-12, 1983, in conjunction with the 63rd AMS Annual Meeting and the Second Conference on Climate Variations (January 10-14), at the International Hotel in New Orleans, Louisiana, U.S.A. This conference is sponsored by the American Meteorological Society and cosponsored by the U.S. Department of Energy. The AMS Committee on Applied Climatology is cooperating.

The conference will devote its attention to the following three areas (1) the atmospheric consequences of energy production from fossil fuels with emphasis on acid rain and potential climatic changes due to carbon dioxide; (2) the use of climate information for nuclear and the renewable energy sources such as solar, wind, biomass, or tidal; and (3) climate services for energy production distribution and estimation of fuel demands. Included in this area is the support of climatic information to production activities such as mining, exploration, and offshore oil production, and support to energy distribution activities such as planning of reserves and networks, and the use of climate information and forecasts in support of allocation decisions. The use of climate data and forecasts for estimating fuel demand is also included in this category.

One of the aims of this conference is to bring together members of the energy industry and the climate community to exchange information with the objective of improving the services provided by the climatologists to the energy industry.

Two abstracts are required for each paper: one for the reviewers (200 - 400 words) and one for the abstract booklet (approximately 100 words) to be distributed at the meeting. Authors are urged to write specific and informative abstracts to facilitate the selection and classification work of the Program Committee. The Committee may consider a poster session for some papers, should this turn out to be appropriate.

Titles and abstracts should be submitted by August 1, 1982, to the Program Chairman: Dr. John S. Perry, National Academy of Sciences, Climate Board, JH 404, 2101 Constitution Avenue, N.W., Washington, D.C. 20418 (tel: 202-334-3517). Due to a short printing schedule for the program and abstract booklet, it will be impossible to accommodate abstract revisions once the abstract has been accepted.



CMOS CONGRESSES



- 1983 - Details described earlier in this issue and on the last page. There may be two workshops in conjunction with this Congress (Short Range Forecasting and Satellites).
- 1984 - A committee has been formed. The Congress is expected to be held in conjunction with the Canadian Union of Geophysics during the period May 28 to June 1, 1984, in Halifax, Nova Scotia.
- 1985 - As yet, there have been no definite offers to conduct this Congress.

SECOND CASI CONFERENCE ON ASTRONAUTICS

Date: November 30 and December 1, 1982

Place: The Skyline Hotel, Ottawa, Canada

Theme: Space Technology

The Astronautics Section of CASI is pleased to announce the Second CASI Conference on Astronautics. The conference will provide an opportunity for the space community to get together and discuss technological developments and their impact upon scientific exploration and the utilization of space systems.

The conference will include panel discussions, lunches, a dinner and the following technical discussions:

- Space Electronics
- Space Mechanics
- Space Science
- Ground Station Technology

More details are available by contacting:

W.M. Evans
Ministry of State of Science and Technology
270 Albert Street
Ottawa, Ontario
K2L 1H8

Telephone Number: (613) 992-5931

Representatives of Canadian industry, universities and governments should note that the regular Space Briefing by the Interdepartmental Committee on Space (ICS) is being planned for Ottawa on November 29, immediately preceding the CASI conference.

PLEASE PLAN TO ATTEND THE CASI CONFERENCE ON ASTRONAUTICS

1982 CMOS ADVERTISING RATES (PER ISSUE)

ATMOSPHERE-OCEAN	Full Page	Half Page
Camera ready copy	190.00	100.00
Typesetting charges if required	+ 45.00	+ 25.00

Discounts: Four consecutive issues 15%
Corporate and Sustaining Member 25%

Forward advertisements to: E.J. Truhlar, ACRE
Technical Editor CMOS
Atmospheric Environment Service
4905 Dufferin Street
Downsview, Ontario
M3H 5T4

CMOS NEWSLETTER	Full Page	Half Page
Commercial	75.00	* 45.00
Employment vacancy	50.00	* 25.00
Employment wanted (Members Only)	FREE	

* Normally the maximum acceptable size.

Discounts: Corporate and Sustaining Members' advertisements at Employment vacancy rate.

Forward advertisements to: D. Mudry
Editor, CMOS Newsletter
Atmospheric Environment Service
Third Floor
365 Laurier Avenue, West
Ottawa, Ontario
K1A 0H3

NOTE: Advertisement acceptance at discretion of EDITOR.

MEMBERSHIP APPLICATION FORM

(Please write in Block Letters)

General, Associate or Student Member SURNAME
GIVEN NAMES
PERMANENT ADDRESS

TITLE, RANK, DECORATIONS, DEGREES OR PROFESSIONAL

QUALIFICATIONS.....

OCCUPATION
(for record purposes only; if student, indicate university and year studies will be completed)

Corporate Member NAME OR AGENCY
BUSINESS ADDRESS.....

Membership Status Required Please enroll me as a member of the Canadian Meteorological and Oceanographic Society effective January 1, 19, to receive all publications issued by the Society from that date. I attach a cheque for \$ payable to the *Canadian Meteorological and Oceanographic Society*.

Signature of Applicant

CMOS dues for 1983:		Cotisation annuelle, pour 1983:	
General Member	\$40.00	Membre	\$40.00
Student Member	\$12.00	Membre étudiant	\$12.00
Associate Member	\$20.00	Membre associé	\$20.00
Corporate Member	\$75.00 (min.)	Membre moral	\$75.00 (min.)

Mail completed application forms to: Envoyer cette demande d'inscription au:
Corresponding Secretary Secrétaire-correspondant
Canadian Meteorological and Oceanographic Society Société canadienne de météorologie et d'océanographie
Suite 805 Suite n° 805
151 Slater Street 151 rue Slater
Ottawa, Ontario Ottawa (Ontario)
K1P 5H3 K1P 5H3

DEMANDE D'INSCRIPTION

(Lettres moulées, s.v.p.)

Membre, Membre associé ou Membre étudiant NOM
PRÉNOM(S).....
ADRESSE

TITRE, RANG, DÉCORATIONS, DIPLÔMES OU TITRES DE

COMPÉTENCE PROFESSIONNELLE

EMPLOI.....
(Pour dossiers seulement. L'étudiant doit inscrire le nom de son université et la date où il finira ses études.)

Membre moral NOM OU RAISON SOCIALE
ADRESSE

Type de membre J'aimerais devenir membre de la Société canadienne de météorologie et d'océanographie à compter du 1^{er} janvier 19 et recevoir par la suite toutes les publications de la Société. Vous trouverez ci-inclus un chèque de \$ à l'ordre de la *Société canadienne de météorologie et d'océanographie*.

Signature du candidat

INFORMATION FOR CONTRIBUTORS

The editorial board of the *Climatological Bulletin* seeks to publish research notes, overviews, survey articles, reviews, comments, opinions, and news of interest to climatologists, professionals in related disciplines, students, and users of climatic information. Contributions of an interdisciplinary nature are welcome. The board gives special encouragement to the submission of articles and notes on applied climatology, e.g. agriculture, climatic change and variability, climate impact assessment, data bases, energy, environment, forestry, health, measurement, recreation, and transportation. Contributions in English or French should be on topics that are relevant to the Canadian scene, but these need not be on research done in Canada.

Contributors should submit manuscripts to Stewart J. Cohen, Editor, *Climatological Bulletin*, Department of Geography, York University, 4700 Keele Street, Downsview, Ontario, Canada M3J 1P3. All manuscripts should be typed double spaced on one side of good quality white paper, 28 cm x 21.5 cm or its nearest equivalent. The abstract, list of references, tables, and a list of figure captions should be typed double spaced on separate sheets. The total length of research manuscripts should not exceed 5,000 words, exclusive of illustrative material. Comments, review, opinions, and news items should not exceed 1,500 words. Furnish an original and three copies if possible, in the order listed below.

Title page should include the full names of authors, and professional affiliations.

The abstract should be less than 250 words, and typed on a separate page.

The text of longer contributions should be typed double spaced on numbered pages, and divided into sections, each with a separate heading and numbered consecutively. The section heading should be typed on a separate line.

Acknowledgements are typed on a separate sheet immediately following the text.

If footnotes are required, they should be typed, double spaced, on a separate sheet under the heading "Notes" at the end of the text.

References should be arranged alphabetically by senior author's last name. The text citation should consist of name(s) of the author(s) and the year of publication, for example Jones (1975) or (Jones, 1975). When there are two or more cited publications by the same author in the same year, distinguishing letters a, b, etc., should be added to the year. A reference to "in press" implies that the paper has been accepted for publication. Titles of periodicals should be given in full.

Figure legends must be provided for each figure, and should be typed together, double spaced, on a separate sheet.

Illustrations should be numbered sequentially. Original drawings, lettering, and symbols should be large enough so that after reduction, the smallest character will be at least 1.5 mm high.

Each table should be numbered sequentially. Type all tables double spaced on separate sheets.

Authors should use the International System of units, but may show other units in parentheses. Authors should provide instructions in the margin for any special type required (Greek letters, capitals, bold face, etc.).

CMOS RECEIPTS

The format of receipts for 1982 CMOS membership fees paid was changed from that of previous years. As a result, several members have interpreted these receipts as invoices for next year's dues and have submitted accordingly. If you are among these people who have submitted payments in error and have not yet received a refund, you are asked to contact the Corresponding Secretary at the address on the back page of the Newsletter.

CHINOOK ADVERTISING INFORMATION

Established 1978.

Published by Weather Enterprises, Box 427, Brampton, Ontario L6V 2L4, Phone: (416) 459-2446

Issued quarterly, January (winter), April (spring), July (summer), October (fall). Closing date 10th of preceding month. No cancellation accepted after 7 days pre. closing date. Per year \$6.

Ag. Comm. - 15%; c.d. 2% - 10th of month following.

General Advertising Rates

SIZE	BLACK & WHITE	BLACK & 1 COLOUR	4 COLOURS
1 Page	\$ 680	\$ 750	\$1,000
2/3 Page	510	600	800
1/2 Page	400	495	800
1/3 Page	295	390	700
1/4 Page	220	330	
1/6 Page	150		
Double Page Spread	1,000	1,110	1,500

Discounts: 2 ti. 5%; 3 ti. 10%; 4 ti. 15%

Covers (noncancellable) - On request.

Bleed Pages - 5% extra.

Classified Rate

Display: \$50 per column inch.

Personnel

Publ. & Editor: Michael J. Newark

Circulation

Average distribution 1,500.

Mechanical Requirements

Printed offset.

Type page: 7-1/8" wide x 9-1/4" deep.

Trim size: 8-1/2" wide x 11" deep.

Column width: 2-1/4".

Number of columns: 3.

Black and White: supply original artwork or repro proofs.

Black and 1 colour and 4 colours: supply colour-separated negative film, emulsion side down. Progressive proofs or colour sample must accompany material. Additional film work charged to advertiser.

Mechanical Specifications

Double Page Spread

15 - 1/2" x 9-1/4"

Page

7-1/8" x 9-1/4"

2/3 Page

4-11/16" x 9-1/4"

1/2 Page Horizontal

7-1/8" x 4-5/8"

1/2 Page Vertical

4-11/16" x 6-3/4"

1/3 Page Vertical

2-1/4" x 9-1/4"

1/3 Page Square

4-11/16" x 4-5/8"

1/6 Page

2-1/4" x 4-5/8"

1/4 Page

4-11/16" x 3-5/16"

OBITUARY - RALPH O'BRIEN

Ralph O'Brien passed away peacefully in hospital on September 30. A native of Halifax, he graduated from Dalhousie University with a B.Sc. in Mathematics and Physics. He immediately joined the Meteorological Service of Canada, and during the next 17 years saw service at almost every RCAF airport in the Maritimes, and from 1956 to 1960 served as Squadron Leader in charge of the DND Weather Office of 1 Fighter Wing in Marville, France.

In 1960, he returned to Canada as Officer-in-Charge of the Weather Office at the new Halifax International Airport, and subsequently of the Maritimes Weather Office. He was appointed Chief of General Weather Services, Atlantic Region, in 1973, and Regional Director in 1981.

An extremely talented artist and a keen and expert sailor all his life, Ralph possessed an ungrudging respect for the whims of the ocean and the dangers facing those who toil on the water. Perhaps through this he was to develop the weatheradio network throughout the Atlantic Provinces - a system that has yet to be emulated elsewhere in the country.

Ralph will be remembered by all who worked with him as a valued friend, whose sense of fair play and determination to defend justice and the rights of the underprivileged was always foremost in his list of priorities. He will be missed by all of us who were fortunate enough to have known and worked with him.

To his wife Gwen, daughter Judy, and son Robert, we express our deepest sympathy in their loss.



XVII CONGRÈS ANNUEL XVII ANNUAL CONGRESS



Theme: Day One Forecasting

Banff Springs Hotel · Banff, Alberta · May 3-5, 1983



- * Deadline for abstracts (related to theme or other aspects of meteorology and oceanography)
December 15, 1982
 - * Accommodation at Banff Springs Hotel includes all meals and gratuities; \$82 per day single room, \$57 twin, \$46 for third person
 - * Enjoy mountain scenery, hot springs and spring skiing
 - * Pre-registration and reservations must be made before March 15, 1983
- see next issue of CMOS Newsletter
-

- * Date limite pour les résumés (sur le thème général ou d'autres aspects de la météorologie et de l'océanographie) - le 15 décembre, 1982
- * Logement à l'Hotel Banff Springs (tous les repas et pourboires compris)
\$82 par jour pour chambre simple,
\$57 pour une chambre double,
\$46 pour la troisième personne
- * Venez profiter du paysage montagneux, des sources chaudes, faire du ski
- * Pre-enregistrement et réservations au plus tard le 15 mars, 1983 - voir le numéro prochain de Nouvelles SCMO

For further information / Pour d'autres renseignements

Dr. J. Powell, Local Arrangements Committee
Northern Forest Research Centre, 5320 122 St. Edmonton,
Alberta T6H 3S5. Tel. (403) 435-7210

CMOS - SCMO
Suite 805
151 Slater St.
Ottawa, Ontario, Canada
K1P 5H3

FIRST CLASS
MAIL