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**Meeting of the CMOS Ottawa Centre Executive**  
Monday, 25 January 2021  
Approved Minutes

**Venue:** Zoom videoconference hosted by the Ottawa Centre

**Call to Order:** 10:34 am

**Chair:** Barry Goodison

**Members of the Ottawa Centre Executive:** see **Annex 1**

**Present:** Len Barrie, Yvon Bernier, Denis Bourque, Sheila Bourque, Dawn Conway, Ray Desjardins, Barry Goodison, Bob Jones, Helen Joseph, Leslie Malone, Ann McMillan, Michael Steeves, John Stone. and student representatives Ada Loewen (Carleton U.) and Abby Dalton (U. Ottawa).

**Not present:** Bruce Angle, Paul Pestieau

1. The Chair welcomed the Executive to the meeting. The agenda was unanimously adopted with two additions: updates on Science fairs and Ingenium under item 9.

2. It was moved by Yvon Bernier and seconded by Bob Jones to approve the minutes of the meeting of 22 December 2020 as per version 2 of the draft. All were in favour.

**3. Update on actions from the last meeting**

All Actions associated with future talks are covered under item 6 below. Updates were provided on the following actions:

**3.1 Educational pamphlets:** Bob found several outdated pamphlets, but not the ones Sheila had hoped to find – those had included a cloud chart, a section on weather lore, instructions for making weather instruments and are likely about 25 years old. It was agreed that the action assigned to Bob is closed. **ACTION:** Sheila will search for the pamphlets, including through the Downsview Library.

**3.2 Summary report, Early Career Scientists:** Len is working on a summary report of the discussion with early career scientists. Action is still pending.

**3.3 Reimburse the Zoom manager:** Denis Bourque has been reimbursed for the costs of the Zoom license for three months (Oct/Nov/Dec 2020).

**3.4 Mueller talk:** The video of the Mueller talk has been posted on the CMOS You Tube channel and linked on the CMOS Ottawa Centre web page.

**3.5 Contact colleagues at the CDA site:** The meeting was informed that this action, for Ray Desjardins to contact colleagues at the CDA site on potentially using the site for intercomparisons, is on hold pending further discussions with Ray Desjardins, Derek Mueller, Barry Goodison and Brian Day.

## 4. Financial Report

### 4.1 Input to the 2020 Annual Report

The Treasurer provided a financial statement for 2020 in which the Centre's balance was \$9986.71 as of 31 December 2019, and \$10834.19 as of 31 December 2020. Yvon Bernier pointed out that some funds (\$210) had been collected for a luncheon (March 2020) that will be reimbursed to those that had paid in advance. **ACTION:** Yvon Bernier will arrange for the \$210 to be reimbursed. The full statement including details on income and expenditures is included in the Annual Report for 2020 (see item 5 below).

### 4.2 Investments

The Centre has invested most of its funds in GICs. One matures on 17 February 2021 and the second matures in February 2022.

The Executive considered re-investment options for the GIC maturing on 17.02.2021. GIC rates are very low at present (e.g., 0.45 per cent for a two-year term). **ACTION:** Yvon Bernier will look into the rates for term deposits at various institutions including the Bank of Montreal, to present to the Executive for consideration at the next meeting.

## 5. Annual Report to CMOS national

The Centre reviewed the Centre's draft annual report for 2020, including the 2020 financial statement. It was moved by Dawn Conway and seconded by Helen Joseph to approve the report as written (attached as **ANNEX II**). All were in favour. **ACTION:** Barry Goodison will provide the report to the CMOS corresponding Secretary, Diane Pendlebury, by 01.02.2021.

## 6. Review of the Konrad Gajewski talk and ZOOM matters

Denis Bourque reported that there had been 85 (or more) participants for the session – there may have been more than one participant at each of the 85 screens. Of those registered, 39 (46 per cent) were CMOS members and 26 (31 per cent) were Students (5 of these students are amongst the 39 CMOS Members). The Centre is really pleased at the turnout.

In advance of the session, 117 registrations were recorded (therefore, 73 per cent attended). Of the last four meetings, approximately 70 per cent of those registered do, in the end, take part. Denis did send a reminder to those registered, but it did not seem to make a difference to the final tally. **ACTION:** Denis Bourque will provide instructions to Barry Goodison and Bob Jones on how the Zoom coordinates can be sent again just prior to a meeting.

Given the popularity of the talks, it is possible that some will attract more than 100 participants. In that event, the Zoom license can be upgraded to the 500-participant category (one month costs \$67.) The Executive agreed that such a decision (to upgrade for one month) can be considered 'pre-approved' and can be made by Denis Bourque and/or Barry Goodison, who shall advise the Treasurer when that occurs.

The video for the Gajewski talk is in editing and will be uploaded to the CMOS YouTube channel as soon as possible.

## 7. Schedule of Speakers 2020-2021 season

The schedule of talks organized by the Centre for the remainder of the season is complete (**Table 1**). Dawn Conway and Ray Desjardins have completed their actions and the talks by Ron Drever and Mark Ward are confirmed. Notes:

- Diane Campbell has scheduled a talk to the Victoria Congress therefore no further effort will be made to schedule a talk from her for the Ottawa Centre in late spring.
- The date for the CMOS Tour speaker (Dr. Katja Fennel, Dalhousie U.) remains TBD.
- There is no information whether there will be a SCOR tour speaker this year.

The next talk will be by Abby Dalton, Andrew Hamilton and Adam Garbo (all students of Luke Copland, U. Ottawa). It was agreed that Luke Copland would be invited to introduce the speakers, and that Len Barrie would manage the Q&A session. **ACTION:** Barry Goodison will contact Luke Copland.

## 8. Elections, Ottawa Centre, 2021

Dawn Conway will lead the process to determine the slate for the 2021 election. The process must be completed by mid-May, to feed into the 2021 Congress. It was noted that the Chair and Vice-chair are entering the second year of their two-year appointments, and that the student representatives are not elected members of the Centre's Executive. **ACTION:** Dawn Conway will, as a first step, contact the current members of the Ottawa Centre Executive to determine whether they are willing to stay on for another year.

In the past it has been a challenge to seek and gain the agreement of new candidates to stand for election. The Executive would benefit from additional representation from the private sector, faculty and current staff members from government. It was noted that there were some current and/or recently retired ECCC staff had assisted on the 2020 LAC, and perhaps some of them might be invited to stand for election to the Centre. Bob Jones noted that, in the past, there were contacts in different government departments that would circulate the Centre's notices, etc. – this list was not current and could be brought up to date. Further discussion on recruitment and contacts was postponed to a later meeting.

The Executive discussed whether or not elected members of the Centre Executive needed to be CMOS members (see CMOS By-laws<sup>1</sup>). Some on the Executive believe that approaching only CMOS members for nominations is the better option, while others felt that casting a wider net would be a more successful approach.

It was agreed that:

- the call for nominations should go out to the Ottawa Centre mailing list, after filtering out those that are not local (or after further filtering to include primarily the group that has been actively engaged in the virtual talks);
- it would be acceptable if interested persons self-nominate;
- the call for nominations should state that all elected Members of the Executive are expected to be CMOS Members;
- for this year, no cap will be proposed for the number of Members-at-large;
- the slate needs to be complete by the end of April;
- if the slate is not acclaimed and there must be an election, those voting should be CMOS members only.

In the event that potential candidates ask what is entailed in being a member of the Executive, it was suggested that a description of the roles and responsibilities for the named positions and for members-at-large would be helpful. These descriptions should focus on the current Centre structure and on what the Centre does (some tasks may be unique to the Ottawa Centre). **ACTION:** all members of the Executive are to share their input on roles and responsibilities with Dawn Conway.

**ACTION:** all members of the Executive will share their suggestions for potential candidates with Dawn Conway.

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<sup>1</sup> CMOS By-laws, section 5 (b): The officers of a Centre shall include, but not be limited to a Chairperson, a Secretary and a Treasurer. The officers shall be members of the Society in good standing, elected annually by a simple majority vote of those members present at a Centre meeting.

## **9. Other business**

### **9.1 Update on cooperation with Ingenium**

Sheila Bourque has been in touch with Michel Labrecque et al. at Ingenium. Given the extended restrictions due to the pandemic, all education programmes are on hold, and staff do not have access to their physical site. A follow-on meeting with CMOS Ottawa Centre is unlikely before the end of February. That said, Valerie Lefebvre (Education Co-ordinator, Canada Science and Technology Museum) is developing some ideas for a physical demonstration on meteorology, climate and climate change themes.

### **9.2 CMOS Centre Chairs meeting**

Barry Goodison noted that he had provided the minutes from the 27 January 2021 Centre Chair's meeting to the Executive. No comments had been raised. The next Centre Chair's meeting is scheduled for 11 March 2021.

### **9.3 Relationship with CACOR**

The relationship between the CMOS Ottawa Centre and CACOR (Ottawa), an informal collaboration, was established in a Letter of Agreement in 2015. **ACTION:** Ann McMillan and/or Bob Jones (liaison with CACOR since Nov. 2020) will locate and make available a copy of the LOA that has been signed by both parties. Further discussion on reviewing the agreement was postponed to a later meeting.

### **9.4 Science fairs**

Yvon Bernier has been in communication with the organizers of the Outaouais science fairs, and they will hold a virtual event this year. The new contact person there had not yet been briefed on the past cooperation with CMOS, so Yvon gave her the background, including that the Centre had already paid our contribution to the 2021 event. Further information is expected to describe how the event will be managed this year, and how CMOS Ottawa will fit in. **ACTION:** Yvon Bernier will contact Serge Nadon to see if he will assist with the 2021 Outaouais science fair.

The Ottawa Science fair will also be virtual, with the closing ceremony on 10 April 2021. The Centre has not yet provided the funds for this year's event. Len Barrie has offered to take the lead, assisted by Ada Loewen and Abby Dalton. The trophy (for the Ottawa events) still needs to be recovered from the last school that held it. **ACTION:** Bob Jones will recover the trophy.

## **9. Date of Next Meeting of the Ottawa Centre Executive**

The next meeting will take place, by Zoom, on 22 February 2021, from 10:00 am to noon.

## **10. Adjournment**

The meeting closed at 12:35 am. The Chair thanked all participants for an excellent discussion.

**Table 1: Talks and speakers, Sept 2020 – May 2021**

<b>Date</b>	<b>Day</b>	<b>Speaker &amp; title of talk</b>	<b>Proposed by</b>
24.09.2020	Thurs.	Dr Chris Derksen, CMOS national Tour speaker 2020: Key Findings from Canada's Changing Climate Report. See <a href="https://cmos.ca/site/ottawa">https://cmos.ca/site/ottawa</a>	All
8.10.2020	Wed.	Public Online CMOS National Forum 'Coping with Extreme Weather Events Under a Changing Climate', moderated by Jim Abraham with four speakers: Gordon McBean, Peter Kimbell, David Sills and Jennifer Spinney.	CMOS national, organized by Len Barrie and Gordon McBean.
22.10.2020	Thurs.	Dr Jean Holloway, postdoc, U. Ottawa, Chair of the Association of Polar Early Career Scientists Canada: Impacts of forest fire on permafrost in the discontinuous zones of northwestern Canada.	Len Barrie
18.11.2020	Thurs.	Ms Arna Einarsdóttir: Climate change and music, culture	CACOR, joint event
17.12.2020	Thurs.	Dr Derek Mueller (Carleton U.): Cryospheric and ecological changes along Canada's northernmost coast: The Milne Ice Shelf break-up of 2020	Ada Loewen
21.01.2021	Thurs.	Dr. Konrad Gajewski (U Ottawa): Holocene climate variability of the North American Arctic and impacts on terrestrial ecosystems & human populations	Barry Goodison
18.02.2021	Thurs.	Student trio (U Ottawa): Abby Dalton on glacier changes on SE Ellesmere, Andrew Hamilton (post-doc) on glacier-ocean interactions, and Adam Garbo (MSc) on validating and improving iceberg drift models in the CAA.	Luke Copland
TBD.02.2021		CMOS Tour speaker, Dr Katja Fennel, details still TBC.	CMOS national
04.03.2021	Thurs.	Mark Ward on the work of the marine research vessel Alucia	Dawn Conway
18.03.2021	Thurs.	Dr. Ron Drever on Natural Climate Solutions for Canada	Ray Desjardins
08.04.2021	Thurs.	Andrea Niemi (DFO Winnipeg): Drivers of forage species variability in the Canadian Beaufort Sea. Joint with CMOS Centre Winnipeg (co-host). We will organize.	Helen Joseph
29.04.2021	Thurs.	Laura Twidle (CatIQ Connect): The Impacts of Extreme events in Canadian Catastrophes. <b>Tentatively joint with CACOR</b>	Barry Goodison
May 2021		No event will be scheduled	

**Annex 1: Ottawa Centre Executive** (see also <http://cmosarchives.ca/Ottawa/ottawaexecs.html> )

<b>Position</b>	<b>Name</b>	<b>e-mail</b>
Chair	Barry Goodison	barrygo@rogers.com
Vice-chair	Len Barrie	leonardbarrie@gmail.com
Treasurer	Yvon Bernier	ycbernier@videotron.ca
Recording Secretary	Leslie Malone	lesliemalone@rogers.com
Membership and Archives	Bob Jones	jonesb@ncf.ca
Education Co-ordinator	Sheila Bourque	sbbourque@rogers.com
Past Chair	Dawn Conway	DMConway1@gmail.com
LAC Chair, 2020 Congress	Bruce Angle	Wxangle58@gmail.com
Member-at-large	Denis Bourque	denisabourque@gmail.com
Member-at-large	Ray Desjardins	Ray.Desjardins@canada.ca
Member-at-large	Helen Joseph	macdonaldjoseph@hotmail.com
Member-at-large	Ann McMillan	mcmillan@storm.ca
Member-at-large	Paul Pestieau	Paul.Pestieau@canada.ca
Member-at-large	Michael Steeves	meridian848@gmail.com
Member-at-large	John Stone	john.stone@rogers.com
Student rep., U. Ottawa	Abigail Dalton	adalt043@uottawa.ca
Student rep., Carleton U.	Ada Loewen	ada.loewen@gmail.com

## ANNEX II

### 2020 Ottawa Centre Report

Chair:	Barry Goodison
Vice-Chair:	Leonard Barrie
Past-Chair:	Dawn Conway
Recording Secretary:	Leslie Malone
Treasurer:	Yvon Bernier
Membership & Archives:	Bob Jones
Zoom Manager:	Denis Bourque
Education Coordinator:	Sheila Bourque
Members-at-large:	Ray Desjardins
	Helen Joseph
	Ann McMillan
	Paul Pestieau
	Michael Steeves
	John Stone

Student Representatives:	Ada Loewen (Carleton U.)
(2020-2021)	Abby Dalton (U Ottawa)
LAC Chair, 2020 Congress:	Bruce Angle

*Note that the Chair, Vice Chair and Past Chair all have 2-year terms, currently 2020-2022; hence it takes a total of 6 years to cycle through the three positions. All other members have one-year terms, renewable through the Centre's annual election process.*

#### Activities from 2020:

- COVID-19 directly impacted the planned Centre activities.
- Only 2 luncheons with guest speakers were held, with average attendance of 30. Speakers were Felix Vogel (ECCC) and Genevieve Béchar, (DG, Canadian Hydrographic Service, DFO). March and April talks were re-scheduled for fall 2020.
- The Centre instituted virtual "luncheon" speakers beginning in September. Notice of talks were distributed to all Centre chairs. Speakers were Chris Derksen (ECCC, 2020 CMOS Tour Speaker), Jean Holloway (U Ottawa), Arna Einarisdóttir, (Executive Director, NAC orchestra; organized by CACOR), Derek Mueller (Carleton U). Participation was 70-80 per talk with significant increased involvement of university faculty and students.
- Purchased a Zoom license for the talks and executive meetings. Executive meetings had increased attendance with more thorough discussion of activities and issues. Luncheon talks were recorded and posted to CMOS YouTube Channel for broader outreach.
- As host of CMOS Congress 2020, executive members participated on the LAC and SPC. Although the in-person event was cancelled, a successful virtual Congress was achieved, including a Forum held October 8, 2020 on Coping with Extreme Weather, marking the 2nd anniversary of the Ottawa/Gatineau tornadoes. The Centre did not receive any income which normally might accrue from a profitable Congress.
- The Ottawa Regional Science Fair and the Expo-Sciences 2019 Outaouais Regional Fair were cancelled. Funds contributed by CMOS National for these events are being carried forward to 2021.
- The Centre held an initial virtual discussion with Ingenium Museums (Canada's Agriculture and Food Museum, Aviation and Space Museum and Science and

Technology Museum) on potential common interests with respect to climate, met and ocean displays/programmes and associated technical exhibits. A follow-up meeting is planned when COVID restrictions allow. A visit to the Science and Technology Museum had been planned as part of Congress 2020.

- David Phillips was to have given an evening public talk at Congress 2020. Instead, the Centre co-operated with Toronto Centre to provide a well-attended virtual public talk by David on Nov. 17, 2020.
- Early career scientists – The chair and vice-chair held informal discussions with the student reps and an early career scientist to discuss their perspectives on CMOS. Several suggestions which the Centre and CMOS might consider were discussed. A summary is being prepared.

*Submitted by Barry Goodison, Chair, Ottawa Centre*

### **CMOS OTTAWA CENTRE 2020 FINANCIAL STATEMENT**

<b>Balance as of December 31, 2019</b>	<b>\$9986.71</b>
<b><u>Plus Income</u></b>	
Luncheons (2 in-person meetings)	1135.00
Prepaid for March luncheon that was cancelled	210.00
CMOS Annual Subvention	873.00
Matching Grant from CMOS for Science Fairs*	450.00
Interest Earned on GICs in 2020	<u>141.06</u>
<b>Total Income</b>	<b>\$2809.06</b>
<b><u>Minus Expenses</u></b>	
Luncheons (2 meetings)	1590.81
Expo-sciences de l'Outaouais**	00.00
Zoom License for 3 months	67.80
Stamps and Envelopes	1.25
Bank Service Charge	<u>1.72</u>
<b>Total Expenses</b>	<b>\$1961.58</b>
<b>Balance as of December 31, 2020</b>	<b>\$10834.19</b>

**Notes:**

- Money owed to those who prepaid for March luncheon \$210.00

\*both science fairs having been cancelled for 2020, the grant received to be applied to the 2021 events

\*\*Expo-sciences de l'Outaouais 2020 was cancelled. Our expenditure of \$300 to be applied to the 2021 event

*Submitted by Yvon Bernier, Treasurer*