

MINUTES  
of the Fourth Meeting  
of  
The Canadian National Committee on Illumination  
held at the National Research Council  
Ottawa  
23 November, 1959

PRESENT:

Mr. J. W. Bateman  
Mr. T. M. Chorlton  
Mr. G. E. Davidson  
Mr. W. F. Elliott  
Mr. G. D. Mills  
Mr. G. A. Watters  
Dr. G. W. Wyszecski (Secretary)

ABSENT:

Dr. W.E.K. Middleton (President)

1. Call to order

In the absence of Dr. Middleton Mr. Bateman was asked by the secretary to take the chair and to preside at the meeting. Mr. Bateman accepted and opened the meeting at 9:30 a.m. with all members present except Dr. Middleton who was unable to attend because of illness.

2. Minutes of last meeting

After the secretary had read the minutes of the last meeting the committee adopted them unanimously.

3. Notice of motion to amend the by-laws

As suggested by Dr. Middleton in his letter of October 30, 1959, to the members of the CNC the following notice of motion to amend the by-laws was moved by Mr. Chorlton and seconded by Mr. Mills:

"The last sentence of by-law 5 be deleted and the following substituted:

"There shall be an annual meeting in October of each year."

In the brief discussion of this motion it was pointed out by the secretary that October appeared the most convenient month since the C.I.E. congress usually meets in June or July every four years and subsequent action by the CNC would be required shortly after every C.I.E. congress. Mr. Chorlton mentioned that the U.S. National Committee on Illumination usually has its annual meeting in October.

The notice of the motion was then adopted unanimously by the committee. The secretary will therefore prepare and mail out letter ballots two months from the date of this meeting (see by-law 12).

4. Proposal to suspend by-laws in order that the present meeting may be substituted for the 1960 annual meeting.

It was felt that after this meeting the 1960 annual meeting, scheduled for January, 1960, would not be necessary. Consequently, Mr. Mills moved that this meeting should replace the January 1960 meeting. Mr. Davidson seconded the motion and the committee adopted it unanimously.

5. Report on the Brussels meeting, June, 1959

The Canadian National Committee on Illumination was represented at the last C.I.E. Congress by four of its eight members. Mr. Chorlton, Mr. Elliott, Dr. Middleton and Dr. Wyszecski were able to be in Brussels at the time of the congress.

Mr. Chorlton, Mr. Elliott and Dr. Wyszecski gave brief reports on the C.I.E. Congress. They emphasized the very valuable scientific discussions they had with their colleagues from other countries at the official sessions as well as at the various social events.

On behalf of the CNC Mr. Bateman congratulated the delegates on their successful participation at the Brussels meeting, particularly in so far as the two delegates who presented papers were concerned -- Mr. Chorlton together with D.M. Finch and H.F. Davidson from the U.S. on "The Effect of Reflected Glare on Visibility" and Dr. Wyszecski on "The Specification of Color-Rendering Properties of Light Sources".

6. Consideration of proposals from the Brussels meeting

The recommendation of the C.I.E., which were tentatively adopted at the Plenary Session at Brussels and copies of which were distributed to all committee members in advance of this meeting, were discussed by the committee in detail. The following C.I.E. committees had made recommendations:

- S-1.2 (Measurement of Light)
- W-1.3.1 (Colorimetry)
- S-1.4.1 (Photopic and Scotopic Vision)
- S-2.1.1 (Sources of Visible Radiation)
- S-3.1.2 (Home Lighting)
- S-3.1.3 (School and Office Lighting)
- S-3.1.5 (Mine Lighting)
- S-3.1.6 (Lighting of Public Buildings)
- S-3.1.9.2 (Lighting for Photography, Cinema, etc.)
- S-3.3.2.2 (Lighting for Transport other than  
Automobile and Air)
- S-4.2 (Lighting Legislation)

The secretary moved to adopt the recommendations as they stood. His motion was seconded by Mr. Davidson and the committee adopted the motion unanimously. In writing to the Secretary of the C.I.E. informing him of the adoption, however, it should be pointed out that recommendation 4 of W-1.3.1, concerning the uniform chromaticity diagram, should be adopted only if the provisional character of the recommendation is particularly emphasized. It was felt that this recommendation was presented to the C.I.E. without giving the members sufficient time in advance to discuss it.

7. Changes or additions to Canadian representation on C.I.E. technical committees.

At the request of the C.I.E. the committee appointed its delegates to the various C.I.E. technical committees. Two lists of delegates were approved by the committee: a list of Canadian delegates for C.I.E. Expert Committees, and a list of Canadian delegates for C.I.E. Secretariat Committees. Both lists are attached to these minutes.

Four new delegates were appointed. Dr. C.L. Sanders from N.R.C. for committees E-1.3.2 and S-1.2, as suggested by Mr. Davidson and Dr. Wyszecski; Mr. H. Wright from CBC for committee E-3.1.9.2 as suggested by Mr. Bateman and Mr. Davidson; Mr. M. Galbreath from N.R.C. for committee E-3.2 as suggested by Dr. Middleton; Dr. T.C. Ogilvie from DRML for committee E-1.4.2 as suggested by Mr. Chorlton; Miss M.G. Currie from University of Toronto for committee E-4.1.1 as suggested by Mr. Davidson and Mr. Bateman.

The secretary was instructed to write letters to the new delegates asking them for their cooperation. Dr. Sanders had already agreed to serve as a delegate for E-1.3.2 and S-1.2.

8. Increase in the annual fee to be paid to the C.I.E.

At the Brussels meeting the C.I.E. Finance Committee recommended that the index be raised from 17 to 22 U.S. dollars per million inhabitants, beginning in the year 1961. The secretary informed the committee that Dr. Middleton had already received notice from the N.R.C. that the Council would pay the increased fee -

approximately \$80.00 - provided the CNC approved the C.I.E. recommendation.

After discussing the matter Mr. Chorlton moved to adopt the increase, Mr. Watters seconded the motion and the committee agreed unanimously.

#### 9. Other Business

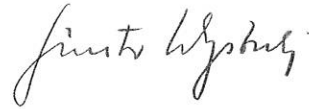
Mr. Chorlton pointed out that there exists a definite need for another C.I.E. technical committee dealing with "Reflected Glare". Existing committees such as E-3.1.1.2 and E-3.1.1.3 would not be able to include such a subject into their work. Mr. Chorlton mentioned that he had discussed the matter with U.S. representatives and found strong support for such a new committee. The secretary asked Mr. Chorlton to draft the terms of reference for the proposed committee so that they could be forwarded to the C.I.E. if the CNC approved such a move. It was unanimously agreed that after Mr. Chorlton had prepared the recommendation the C.I.E. should be approached and be asked for a decision on the proposal.

Mr. Watters informed the committee that he had been invited to speak to the CEA Lighting Section on the work and activities of the CNC and C.I.E. on January 27, 1960, at Quebec City. Mr. Bateman pointed out that such a talk would be very valuable and would publicize the work of the CNC in particular. He urged Mr. Watters to accept the invitation and wished him every success.

There was no further business to be discussed.

10. Adjournment

The CNC adjourned at 11:45 a.m.

A handwritten signature in cursive script, appearing to read "G. W. Wyszecski".

G. W. Wyszecski  
Secretary

List of Canadian Delegates for C.I.E. Expert Committees

E-1.1 ((A) Definitions - (B) Vocabulary)

Dr. W.E.K. Middleton  
c/o National Research Council  
Sussex Drive  
Ottawa 2 : Ontario.

E-1.3.1 (Colorimetry)

Dr. G. W. Wyszecki  
c/o National Research Council  
Sussex Drive  
Ottawa 2 : Ontario.

E-1.3.2 (Color Rendering)

Dr. C.L. Sanders  
c/o National Research Council  
Sussex Drive  
Ottawa 2 : Ontario.

E-1.3.3 (Color of Signal Lights)

(No delegate)

E-1.4.1 (Photopic and Scotopic Vision)

Dr. G.W. Wyszecki  
c/o National Research Council  
Sussex Drive  
Ottawa 2 : Ontario.

E-1.4.2 (Visual Performance)

Dr. J.C. Ogilvie  
c/o Defence Research Medical Laboratories  
Downsview : Ontario.

E-2.1.2 (Sources of UV and IR Radiation and Measurement)

Mr. G.E. Davidson  
c/o Hydro-Electric Power Commission of Ontario  
620 University Avenue,  
Toronto : Ontario.



List of Canadian Delegates for C.I.E. Expert Committees (Con't.)

E-3.1.1.1 (Predetermination of Illumination and Luminance)

Mr. G.E. Davidson  
c/o Hydro-Electric Power Commission of Ontario  
620 University Avenue  
Toronto : Ontario.

E-3.1.1.2 (Causes of Discomfort in Lighting)

Mr. G.D. Mills  
c/o Department of National Defence, Army,  
Ottawa : Ontario.

E-3.1.1.3 (Agreeable Luminous Environment)

Mr. J.M. Chorlton  
Board of Education, for the City of Toronto  
155 College Street  
Toronto 2B : Ontario.

E-3.1.9.2 (Lighting for Photography, Cinema, Television Production  
and Theatre Stage)

Mr. H. Wright  
CBC Toronto  
354 Jarvis Street  
Toronto : Ontario.

Mr. D. FRICK  
Plant Department  
Canadian Broadcasting Corporation  
Box 806  
Ottawa, Ont.

E-3.2 (Daylight)

Mr. M. Galbreath  
c/o Division of Building Research  
National Research Council  
Montreal Road  
Ottawa : Ontario.

E-3.3.1 (Street Lighting)

Mr. G.A. Watters  
c/o Quebec Power Company  
Quebec 2 : P.Q.

E-3.3.2.1 (Aviation Ground Lighting)

Mr. W.F. Elliott  
Department of Transport  
Hunter Building  
Ottawa : Ontario.

List of Canadian Delegates for C.I.E. Expert Committees (Con't.)

E-3.3.3. (Airborne Lighting and Signals)

Mr. W.F. Elliott  
Department of Transport  
Hunter Building  
Ottawa : Ontario.

E-3.3.5 (Automobile Headlights and Signal Lights)

Mr. G.E. Davidson  
c/o Hydro-Electric Power Commission of Ontario  
620 University Avenue  
Toronto : Ontario.

E-3.3.7 (Signal Lights)

Mr. W.F. Elliott  
Department of Transport  
Hunter Building  
Ottawa : Ontario.

E-4.1.1. (Education in Schools, etc.)

Miss M. G. Currie  
c/o Department of Applied Physics  
Faculty of Applied Sciences & Engineering  
University of Toronto  
Toronto : Ontario.

List of Canadian Delegates for C.I.E. Secretariat Committees

S-1.2 (Measurement of Light)

Dr. C.L. Sanders  
c/o National Research Council  
Sussex Drive  
Ottawa 2 : Ontario.

S-2.1.1 (Sources of Visible Radiation)

Mr. G.E. Davidson  
c/o Hydro-Electric Power Commission of Ontario  
620 University Avenue  
Toronto : Ontario.

S-2.2 (Characteristics of Illuminating Engineering Materials)

Mr. G.E. Davidson  
c/o Hydro-Electric Power Commission of Ontario  
620 University Avenue  
Toronto : Ontario.

S-3.1.2 (Illumination Practice)

Mr. J.W. Bateman  
Canadian General Electric Company Limited  
165 Dufferin Street  
Toronto 3 : Ontario.

S-3.1.5 (Mine Lighting)

Mr. A. Brown  
c/o Department of Mines & Technical Surveys  
562 Booth Street  
Ottawa : Ontario.