

MINUTES OF SIXTH MEETING OF CANADIAN NATIONAL COMMITTEE
OF C.I.E. HELD AT THE NATIONAL RESEARCH COUNCIL, OTTAWA
27 OCTOBER, 1961

PRESENT

Members:	Mr. J.W. Bateman	
	Mr. G.E. Davidson	
	Mr. W.F. Elliott	
	Mr. G.D. Mills	
	Dr. C.L. Sanders	(Secretary)
	Mr. G.A. Watters	
	Dr. G.W. Wyszecski	(President)

Delegates:	Miss M.G. Currie
	Mr. D. Frick
	Mr. M. Galbreath

ABSENT

Mr. J.M. Chorlton
Dr. W.E.K. Middleton
Mr. A. Brown

1. CALL TO ORDER

The President opened the meeting at 10:10 a.m. Mr. Chorlton sent word with Mr. Davidson that a board meeting in Toronto prevented him from attending the meeting. The President welcomed the delegates who had been able to attend the meeting.

2. MINUTES OF LAST MEETING

The Secretary read the minutes of the last meeting. The minutes, which had been mailed out, were changed in two places following a written suggestion by Mr. Chorlton.

- (a) Page 1, Line 13. Changed "D.M. Frick" to "D.M. Finch".
- (b) Page 8, Lines 6 and 7. Changed "together with the minutes of each annual meeting" to "together with the tentative agenda of each annual meeting in order that the reports may be discussed at the annual meeting".

With these amendments the minutes were approved unanimously. The motion was made by Mr. Davidson and seconded by Mr. Bateman.

3. BUSINESS ARISING FROM THE MINUTES

Dr. Wyszecski mentioned that he had written to Dr. Middleton thanking him for his work on the committee.

The President also stated that the press release had been made to announce the change of officers after the last meeting.

4. SECRETARY'S REPORT

1. The National Research Council approved the recommendations passed by this Committee at its last meeting regarding the change in membership and in executive.

2. Regarding the motion passed at the Fourth Meeting of the CNC recommending that a committee of experts be formed to

study the effect of specular reflection on the ability to see, this recommendation was prepared by Mr. Chorlton and submitted to the C.I.E. with the following wording:

"That the Canadian National Committee recommend that a committee of experts be appointed to
 (a) determine the present state of knowledge with respect to the effect of specular reflections within the task due to reflected glare;
 (b) to evaluate the effect of a loss of contrast on the ability to see the detail of the task; (c) to encourage experiments with a view to providing additional information from time to time."

Subsequent correspondence brought out the facts that this study would be included in the scope of E-1.4.2 "Visual Performance". It has been suggested by the chairman of this committee that a Canadian representative could be named as an expert on this committee. Since this is the committee which Dr. Ogilvie has left, the appointment may be considered under item 8 of the Agenda.

3. A summary of the reports by members and delegates on the work of their respective Expert and Secretariat Committees for the period October 1959 to October 1960 was prepared early this year and was distributed. A second report covering the period from October 1960 to October 1961 was requested and a partial summary was distributed with the Agenda. I believe that some of the members would like to give their reports today.

4. The Annual Fee of \$320.00 was paid April 20, 1961, by the National Research Council.

5. A letter was received from the Secretariat of S-4.2., "Lighting Codes, Regulations and Legislation", dated 23 March, 1961, requesting action on circular letter No. 72-C.N. dated 2.8.60. The circular letter asked for copies of recent publications on the following subjects:

- (a) Codes, Regulations and Legislation on indoor lighting (daylight or artificial) and street lighting.
- (b) Laws or official decisions concerning lighting (including units and photometric measurements).
- (c) Articles written about Codes, Regulations, and Legislation on lighting.

Canada has no corresponding member for S-4.2, and Mr. S. Ron was informed of this reason for the lack of a reply. It would be desirable to have a corresponding member on S-4.2 and this question should receive the attention of this committee.

6. Several times during the past year I have received letters or questionnaires requiring some action by the corresponding member of one or another of the C.I.E. committees. It hasn't been possible to tell from the correspondence whether the Canadian representative on the particular committee had already received a copy directly. Sometimes I have forwarded a copy and the result suggested that no copy had been received directly. I have raised the question with Mr. Chappat who pointed out that the Code of Procedures for Technical Committees published as Annex 2 of C.I.E. Bulletin No. 7 stipulates that the secretariat committee should send correspondence to the corresponding members and also to the secretaries of the National Committee. If this procedure is followed no mail need be forwarded by the secretary to the corresponding members. The problem is to detect deviations from the recommended procedure in order to be sure that no correspondence is intercepted here causing the corresponding member to remain in ignorance of the matter. The matter has been placed on the Agenda.

7. Concerning the question of the distribution in Canada of C.I.E. publications, I asked Mr. Watters to publicize CIE Publication No. 8 which considers "Street Lighting and Accidents". As a result several people wrote directly to the Central Bureau of the CIE in Paris and the assistant secretary of the CIE wrote requesting that we distribute these publications in Canada in order to obtain the 40% rebate permitted to National Committees, and to simplify the problems at the Central Bureau. The matter has been discussed with the Administrative Branch of N.R.C. and arrangements made so that the publication branch will assist with this problem.

The President thanked the Secretary for his report.

5. REGULATIONS GOVERNING THE FLOW OF CORRESPONDENCE

After some discussion as to a means of correcting the mix-up in correspondence reported under item 6 of the Secretary's report, it was suggested by Dr. Wyszecski that Mr. Chappat be notified of the discrepancies which had been detected. After

some discussion it was agreed that each member and delegate should acknowledge every item of correspondence obtained from CIE committees and send a copy of this acknowledgment to the secretary of the CNC. Similarly, any reply to a questionnaire or other correspondence made by a member or delegate of the CNC should be forwarded directly to the CIE committee concerned with a copy sent to the secretary of the CNC.

6.

The question of translating correspondence was raised by Miss Currie. Dr. Wyszecski said that two volumes of "International Lighting Vocabulary" had been published by the CIE. It was ascertained that none of the delegates had received copies of these publications and the Secretary agreed to obtain copies to be sent to the delegates to assist them with the technical translation. The members of the committee had already received copies.

7. CNC BOOKLET

Mr. Watters congratulated the President on the excellent manuscript. The feasibility of using the CIE trademark on the cover was discussed. All members agreed that it would be desirable and that Mr. Chappat should be asked for permission to use the CIE trademark. It was moved by Mr. Frick and seconded by Mr. Watters that the President should be given the responsibility for completing the booklet. An initial production of 2000 copies was suggested. Mr. Davidson agreed to contact the I.E.S. for a list of Canadian members. Mr. Galbreath agreed to contact the Association of Architects and to ask for mailing procedures. Mr. Elliott requested 50 copies for distribution in the Department of Transport and Mr. Frick felt that he would require 100 copies for inclusion with CIE questionnaires. The rest of the members and delegates will receive 25 copies in the initial mailing.

8. SALE AND DISTRIBUTION OF CIE PUBLICATIONS

The question raised under item 7 of the Secretary's report was discussed. It was pointed out by the Secretary that the National Research Council had agreed to handle the sale of CIE publications and that orders for CIE publications could be placed with the Secretary of the Canadian National

Committee. The price charged would be the net price. It was agreed that when a CIE Technical Committee publishes a report the Canadian Corresponding Member should be asked to suggest the names of people who in the public interest should receive complimentary copies.

Regarding the CIE publication No. 8 "Street Lighting and Accidents", it was felt that the Traffic Safety Council (or equivalent) in each province should receive a complimentary copy.

9. PUBLICITY REPRESENTATIVE

After some discussion, it was moved by Mr. Mills and seconded by Mr. Bateman that Mr. Watters be appointed as a publicity representative for the Canadian National Committee to look after the release of information to various journals and papers, e.g. to announce a new CIE publication. Any member having an item for release should send about ten suitably worded copies to Mr. Watters for distribution to the various publications.

10. DISCUSSION OF CIE COMMITTEE REPORTS

In addition to the reports already submitted, Mr. Davidson distributed copies of his report. Mr. Mills stated that he had nothing to report and Mr. Frick said he would send in a brief report of his activities.

In order to relieve the Secretary of the responsibility for editing the individual reports it was agreed that each member should send 15 copies of his annual report to the Secretary for distribution with the tentative agenda before the next annual meeting.

A suggestion by Mr. Bateman, that CIE Committee numbers be always followed by the name of the committee, was endorsed by all present.

11. CANANADIAN DELEGATE TO E-1.4.2 "VISUAL PERFORMANCE"

It was moved by Mr. Bateman and seconded by Mr. Mills

that Mr. J.M. Chorlton be asked to serve on this committee. The President agreed to see Mr. Chorlton about this matter.

12. TERM OF OFFICE OF MEMBERS AND DELEGATES

The President outlined the situation, explaining that no provisions in the By-Laws are made for termination of office. Mr. Bateman said that some such provision was both necessary and desirable. It was felt desirable to work out a system to avoid having all members finish their term in the same year. A four year term was considered appropriate to coincide with the four year interval between plenary sessions. The President and Secretary agreed to draft a By-Law concerning the term of office of executive members and delegates. The proposed By-Law would be discussed at the next meeting.

13. NEW REPRESENTATIVE FOR E-3.3.5, "AUTOMOBILE HEADLIGHTS AND SIGNAL LIGHTS"

Mr. Davidson suggested that he be given authority to contact someone in the Ontario Department of Transport to take over responsibility for this very active CIE committee. Mr. Davidson had found some of the people in the department very interested and capable. The request was granted.

14. TECHNICAL SUB-COMMITTEE

Mr. Frick asked whether it would be in order if he consulted other experts on some special aspects of his committee. The President pointed out that the provision for sub-committees was included in the by-laws as By-Law 11, but the procedure followed so far had been that consultations were held without the formal establishment of a sub-committee.

15. MEETING ADJOURNED AT 1.05 PM

Tentative Agenda for the 6th Meeting of the Canadian
National Committee for the International Commission on Illumination,
to be held in the NRC Council Chamber, 100 Sussex Dr.,
Ottawa at 10 AM, Friday, Oct. 27, 1961.

1. Call to Order.
2. Minutes of the last meeting. *include changes suggested by Mr. Charlton.*
3. Secretary's report.
4. CNC Booklet. *1500 copies Min 9 1960*
5. Arrangements for sale of CIE Publications. *Letter 14.9.61
17 Sept 1961*
6. Publicity representative to direct publicity
of CIE Publications.
7. Discussion of CIE Committee reports.
8. Replacement for Dr. Ogilvie on Secretariat
Committee E-1.4.2. *Possibly EXPERT*
9. Discussion on term of office of members and
delegates. *July 5, 1961
Cibic suggests
as his replacement
MR. Foley,
Dept 1 Nat. Def.,
Def. Res. Board,
Def. Res. Med. Lab.,
Post Office Box 62,
Postal Stn. K,
Toronto.*
10. Report from Mr. J.M. Chorlton on the National
Technical Conference of the I.E.S. which
was held in St. Louis in September.
11. Regulations governing the flow of CIE
correspondence. *Did Grant B. receive a copy of letter on 5-2-61
26 June 1961 asking for National Report on Light
Sources. No.*
12. Any other business.

Summary of the Reports
by the Canadian Members of
CIE Technical Committees for
the Period Oct. 1960 to Oct. 1961.

Mr. J.W. Bateman, S-3.1.2 and S-4.2.

A list of articles on Lighting Practice, in Canadian periodicals, was prepared and submitted to the Secretariat of 3.1.2.

Mr. A. Brown, S-3.1.5.

No report.

Mr. J.M. Chorlton, E-3.1.1.3.

No report.

Miss M.G. Currie, E-1.4.1.

The experts of this Committee met in Zurich in May, 1961.

The Committee has been actively engaged in the preparation of the first series of 50 slides which were shown in draft form in Brussels in 1959. At the meeting some changes in the slides and their accompanying text were adopted. A final review of the continuity of the slides and their text is being made before the completed series is sent to the Central Office by October 1, 1961. The secretary is preparing a sales prospectus in three languages, which is to give information on the aims and uses of the slides, a list of the 50 titles and some examples of how the information may be presented. This is to be sent with the slides to the Central Office. The slides will be available in a film strip form or as separate slides mounted in glass or cardboard.

Work has begun on a second series of 50 slides. The first draft of the second series of slides and their accompanying text are to be shown at the next meeting of the experts to be held in Strasbourg in June, 1962.

For the meeting in Vienna in 1963 the Committee plans to show the first series of slides, which will be in distribution, and the final draft of the second series. Professor Strong of the U.S.A. is making arrangements for the display of a selection of the best entries from the Allied Art Competitions which are held annually in some of the schools of architecture and engineering in the U.S.A. and Canada.

Mr. G.E. Davidson, S-2.1.1, S-2.2, E-2.1.2, E-3.1.1.1, E-3.3.5.

No report.

Mr. W.F. Elliott, E-3.3.2.1, E-3.3.7 and E-3.3.3.

At the request of the Chairman of E-3.3.3 information is being obtained concerning Canadian activities on Airborne Lighting and Signals under the headings:

I. Exterior Lighting

- A. Navigation Light Systems
- B. Auxiliary Lights
 - 1. Landing Lights
 - 2. Taxi Lights
 - 3. Other Special Purpose Lights

II. Interior Lighting

Mr. D. Frick, E-3.1.9.2.

No report.

will send a brief report.

Mr. M. Galbreath, E-3.2.

This Committee has been studying the preparation of a guide to methods of calculating daylight. The possibility of broadening the scope of the guide to include references to all known daylight design methods and to cover both simple and more precise systems of calculation.

A meeting held in Copenhagen in September 1961 was called to discuss:

- (1) Draft CIE Guide: Methods of Calculating Daylight.
- (2) Draft CIE Guide: Measuring Techniques for Recording Climatological Data.
- (3) A discussion of problems associated with the installation of permanent supplementary artificial lighting in daylight interiors. Should our Committee embark on making any recommendations at this stage?
- (4) A discussion of the feasibility of reliably predicting natural lighting indoors under other than overcast sky conditions.

In connection with the work of the Committee I have been asked to prepare a report on methods of daylight design in use in Canada and have asked the Research Committee of the RAIC if they would assist by conducting a poll of their members on this subject.

I have also received a request for a bibliography of all Canadian publications on daylighting since 1955. This must be submitted before January 1962. If members of the Illuminating Committee are in a position to supply me with possible sources of information on these subjects, this would be most welcome.

Dr. W.E.K. Middleton, E-1.1.

No report.

Mr. G.D. Mills, E-3.1.1.2.

No report.

nothing to report

Dr. J.C. Ogilvie, E-1.4.2.

No report. Dr. Ogilvie has resigned.

Dr. C.L. Sanders, E-1.3.2, S-1.2.

A meeting in Dusseldorf in May was attended by Dr. G. Wyszecski who presented the Canadian viewpoint on the matters discussed. Two sets of coloured samples were selected for further colour rendering tests of fluorescent lamps.

The fluorescent lamps from the International Comparison arranged by S-1.2 have been tested at NRC and returned to the National Physical Laboratory.

Mr. G.A. Watters, E-3.3.1.

In answer to a request from the South African National Committee on Illumination, a number of manuals on standard lighting practice were dispatched.

A report of CNC on Illumination activities was presented at the CEA Lighting Section at Halifax, N.S. in January.

A condensed report on Street Lighting practice shows that in most countries H.P.M.V. bulbs are gaining in popularity over incandescent lamps and fluorescent tubes. High power xenon lamps are being tried in some countries and sodium vapour lamps are being widely used in a few countries.

A meeting of the Committee was held in Milano, Italy, in May, 1961.

Dr. G. Wyszecki, E-1.3.1, E-1.4.1.

In May 1961 committee E-1.3.1 held a meeting at London to discuss various topics on colorimetry. The following main agreements were reached:

1. A set of mean color-matching functions is to be computed with a new assignment of weights to the Stiles and Speranskaya data to be determined by the results of new field trials.
2. Further field trials are to be conducted before the 1963 meeting.
3. Reaction is to be explored in each country with a view to formation of a new proposal for standard sources in 1963.

Note:

With regard to item 3 a questionnaire has been sent to various Canadian individuals and institutions.

E-1.4.1.

No progress.