

MINUTES OF THE 28TH ANNUAL MEETING OF THE

CANADIAN NATIONAL COMMITTEE OF THE CIE

Held in the Galbraith Building Room GB202 University of Toronto, Toronto
Ontario, December 2, 1983.

Present:

Prof. M. G. Bassett (University of Toronto), President
Mr. W. Budde (National Research Council)
Mr. F. Dean (Consulting Engineer)
Mr. R. Jennings (Public Works)
Dr. B. Jordan (Paprican)
Prof. P. Kaiser (York University)
Mr. A. Ketvirtis (Fenco Consultants Ltd.)
Dr. A. Levy (Engineering Interface Limited)
Dr. P. Manning (Technical University of Nova Scotia)
Mr. V. McCullough (Ministry of Transportation & Communications Ont.)
Mr. S. McKnight (Crouse-Hinds Company)
Prof. D. Moiser (Carleton University)
Mr. G. Mulvey (Mulvey & Banani International)
Mr. A. Orr (Orcons Co. Ltd.)
Dr. M. Rea (National Research Council)
Dr. A. Robertson (National Research Council)
Mr. S. Subotich (Canadian Standards Association)
Mr. G. Szeker (Philips Electronics Ind. Ltd.)
Mr. D. Trotter (Mines Accident Prevention), Secretary
Mr. E. Wotten (Consultant)
Dr. G. Wyszecski (National Research Council)

1. Call to Order and Approval of Agenda

The President opened the meeting at 10:05 a.m. and introduced all the members present. Two items were added to the Agenda.

13. Revision of By-Laws

14. Publications

The order of the agenda with additions was approved.

2. Minutes of 27th Annual Meeting

Moved by P. Kaiser, seconded by A. Ketvirtis that the minutes of the 27th annual meeting be accepted. Carried.

3. Secretary's Report

The Secretary read his report, which is attached to these minutes. It was noted that, under item 5 listing those expressing an interest in joining CNC/CIE.

Mr. David MacGowan has moved to the U.S., Dr. T. H. Nilsson has moved to Nova Scotia, Mr. Paul Young is to be transferred.

3. Secretary's Report Continued.....

It was further noted under item 4, the correct title for CIE Publication No. 51 is "A Method for Assessing the Quality of Daylight Simulators for Colorimetry".

It was moved by A. Robertson and seconded by W. Budde that the Secretary's Report be accepted as amended. Carried.

4. President's Report

The President's report was read by Prof. Bassett and is attached to these minutes. Moved by R. Jennings and seconded by G. Szeker that the report be accepted. Carried.

5. Report from CIE Executive Committee

The Executive Committee Report was read by Prof. Bassett and is attached to these minutes. Moved by A. Orr and seconded by P. Manning that the report be accepted as read. Carried.

6. Reports from Delegates to CIE Technical Committees and Study Groups

Several written reports were submitted but are not attached to these minutes. Where reference is made to a written report it can be obtained by writing the Secretary. Canadian member of each technical committee is shown in brackets.

TC-1.1 Terminology (No Canadian delegate)

Verbal report from M. Bassett that work of this committee is essentially completed.

TC-1.2 Photometry and Radiometry (No Canadian delegate)

Verbal report from W. Budde who acts as a consultant to this committee.

TC-1.3 Colorimetry (A. Robertson)

Written report from A. Robertson.

6. Reports from Delegates to CIE Technical Committees and Study Groups

Continued.....

TC-1.4 Vision (P. Kaiser)

Verbal and written report from P. Kaiser.

TC-1.6 Visual Signalling (B. Tansley)

No report.

TC-1.7 Actinic Effects of Optical Radiation (W. Budde)

Verbal report from W. Budde. This committee has taken on a very large work program.

TC-1.8 Photochemistry and Plant Growth (G. Szeker)

Verbal report from G. Szeker. This committee has some difficulties in communicating as the chairman is in Moscow. A written report will follow as the quadrennial report has just been received.

TC-2.1 Sources (A. Mendel)

No report.

TC-2.2 Detectors (W. Budde)

Verbal and written report from W. Budde.

TC-2.3 Materials (B. Jordan)

Verbal report from B. Jordan. One main contribution of this committee has been a survey of reflective materials.

6. Reports from Delegates to CIE Technical Committees and Study Groups

Continued.....

TC-2.4 Luminaires (S. Subotich)

Verbal and written report from S. Subotich.

TC-3.1 Visual Performance (M. Rea)

Verbal and written report from M. Rea. Written report on the effects of the new Division structure on 3.1.

TC-3.2 Colour Rendering (A. Robertson)

Verbal and written report from A. Robertson.

TC-3.3 Physical Environment (S. Mahanti)

No report.

TC-3.4 Discomfort Glare (W. Adrian)

No report.

TC-3.5 Visual Environment (P. Manning)

Verbal report from P. Manning and M. Rae.

TC-4.1 Interior Lighting (F. Dean)

Verbal report from F. Dean.

6. Reports from Delegates to CIE Technical Committees and Study Groups

Continued.....

TC-4.2 Daylighting (R. Jennings)

Verbal and written report from R. Jennings.

TC-4.3 Lighting for Theatre (T. Nutt)

No report.

TC-4.4 Sports Lighting (S. McKnight)

Verbal and written report from S. McKnight.

TC-4.5 Exterior Lighting (G. Szeker)

Verbal report from G. Szeker.

TC-4.6 Road Lighting (A. Ketvirtis)

Verbal and written report from A. Ketvirtis.
Verbal and written report from S. McKnight.

TC-4.7 Automobile Lighting (G. Subotich)

Verbal and written report from S. Subotich.

TC-4.9 Lighting Economics (A. Orr)

Verbal report from A. Orr.

6. Reports from Delegates to CIE Technical Committees and Study Groups

Continued.....

TC-4.10 Mine Lighting (D. Trotter)

Verbal and written report from D. Trotter.

SG-1 Lighting Education and Information (R. White)

Verbal report from M. Bassett.

R. Jennings replied to a question regarding a survey taken of the need and availability of lighting testing laboratories in Canada. A report will probably be presented before the fiscal year (March '84) with three major findings:

- 1) there is a requirement for a testing facility
- 2) there is a requirement for a research facility
- 3) there is a need for a degree granting institute to offer Illumination Engineering in its curriculum or on lighting seminars to be put on across Canada.

With the completion of item 6 members broke for a short lunch.

7. Matters Raised by CIE Central Bureau

Circular letter No. 350 CN requested information regarding the arrangements for the XX Session. Discussion centred upon the following:

- (1) Information available before the Session.
It was agreed that this was very well organized.
- (2) General arrangements during the sessions.
It was felt that not enough side rooms were available. Suitable rooms were required for small meetings for technical or national committees and often the only available space was the cafeteria.
- (3) Photographic Exhibition.
This was thought to be extremely good.
- (4) Arrangements regarding speakers.
The availability of preprints or abstracts well in advance of the XX Session was a big help. Authors were required to have camera ready material available well in advance in order to publish the proceedings. This made it extremely costly to individual authors and it was wondered if a less rigid format could be followed. Figures were required to accompany the text. It would be easier on the author if figures could be placed together at the end of the written material.

7. Matters Raised by CIE Central Bureau Continued.....

- (5) Conference Arrangements.
Contributed papers were a big improvement over the last few Sessions.
- (6) Poster Presentations.
More physical space is required between presentations. The crowded noisy conditions created too many distractions.
- (7) Technical Committees.
These were well run with access to good facilities. A minor complaint was that some agendas were missing.
- (8) Technical Visits and Social Events.
Excellent.

The Secretary was instructed to convey these viewpoints to the Central Bureau.

8. CIE XX Session Amsterdam 1983

This item was mainly covered under item 7.

The members wished the minutes to record their vote of thanks to Prof. R. White for his work in organizing the Canadian poster display at the XX Session.

9. Reorganization of CNC/CIE to Accommodate New CIE Division Structure

Under the new reorganization the work of the 26 different technical committees is now carried out in 7 Divisions. Prior to the annual meeting Canada had only nominated representatives to 4 of the Divisions. Namely:

Division 1	P. Kaiser
Division 2	A. Robertson
Division 3	R. Jennings
Division 4	B. Tansley

Members were reluctant to volunteer for the other three Divisions mainly because of the cost of travel to two Division meetings during the quadrennium. G. Wyszecski explained the role of a Division Delegate, that they form a managerial committee, rather than a technical committee. Their role is to help select and appoint experts to the various working committees, and to monitor activities. Each Canadian Division Delegate should develop an advisory committee, perhaps made up of former TC members.

9. Reorganization of CNC/CIE to Accomodate New CIE Division Structures

Continued.....

A Delegate could also be involved directly in the work of one or more technical committees. Although there can be only one official representative in each Division for each country, it is possible to have unofficial representatives. Attendance at international Division meetings, although obviously desirable, is not essential. In light of these explanations, the following volunteered.

Division 3	G. Mulvey, as a replacement for R. Jennings who feels he may have to resign as Division Delegate because of future work commitments.
Division 4	A. Ketvirtis, as an unofficial representative.
Division 5	D. Trotter, to fill a vacancy.
Division 6	G. Szeker, to fill a vacancy.
Division 7	No member nominated to date. M. Bassett will approach R. White to see if he will allow his name to stand.

D. Trotter will forward the names of the division members to Alec Fisher, Technical Chairman of CIE, with copies to the Central Bureau and W. Budde.

10. Appointments and Reappointments to the Executive Committee of the CNC/CIE

M. Bassett reviewed two items of the By-Laws of the CNC/CIE, namely:

(#6) There shall be not less than five and not more than nine members of the EC/CNC/CIE. They shall be appointed by the National Research Council. The CNC/CIE may recommend candidates for appointment. All members of the EC/CNC/CIE shall automatically be members of the CNC/CIE.

(#18) All officers and members shall normally finish their terms of office at the end of the year during which a quadrennial Session of the CIE takes place, with the exception of members of the EC/CNC/CIE whose terms of office shall normally be four years but shall be staggered to provide continuity. All officers and members shall be eligible for immediate re-appointment.

Discussion ensued as to recommendations for appointment to the EC/CNC/CIE. The proposed slate is as follows:

NAME	POSITION	TERM EXPIRES
M. Bassett	Chairman	1984
G. Cornish	Member	1985
C. Gauvreau	Member	1985
R. Jennings	Delegate	1987
C. Labrecque	Member	1986
P. Manning	Member	1986
A. Robertson	Vice-Chairman	1987
D. Trotter	Secretary	1984

Don Trotter will advise the National Research Council of the CNC/CIE recommendations.

11. NRC Office of Lighting Research

Verbal report from G. Wyszecski.

12. Revision of By-Laws

With the new Division structure certain items of the By-Laws will need redrafting. This will be worked on by the Executive Committee. By-Laws may be amended by an affirmative vote of a simple majority of the total membership of the CNC/CIE at a meeting or by letter ballot provided that notice of motion has been given at least two months before the date of the meeting or the closing date of the letter ballot. Notice of motion was given at the annual meeting by M. Bassett.

13. Other Business

M. Bassett asked members for suggestions on how to revitalize CNC/CIE. Some suggestions were:

inviting younger people presently active in lighting to join CNC/CIE; issuing a newsletter with contributions from CNC/CIE members telling of Canadian lighting matters. This matter will be readdressed once the new Division structure is in working order. Members are asked to solicit ideas to the Executive for consideration.

D. Trotter asked if someone from NRC would look after publications. When a new publication is announced the Secretary writes CISTI and tells the number to order. Once the order has been received, the Secretary receives one free copy, and then announces that the publication is available. To date no copies have been received although orders were placed a year ago. It was felt that better liaison could be maintained if publications were handled by a CNC/CIE member in Ottawa. M. Rea volunteered to look into the problem of procedure. D. Trotter will supply M. Rea with details.

There being no further business the meeting adjourned at 4:15 p.m.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read 'D. Trotter', with a stylized, cursive flourish.

Don Trotter
Secretary CNC/CIE

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Prevention
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SECRETARY'S REPORT TO THE CANADIAN NATIONAL
COMMITTEE OF THE CIE

December 1983

1. The 1983 annual dues of \$2 830 (U.S.) for Canadian membership of the CIE were paid by the National Research Council in February 1983. As a comparison, dues were \$2 573 (U.S.) in 1982 and \$2 338 (U.S.) in 1981.
2. The purchase and sale of CIE publications is being handled by G. Lacroix, Publications Distribution Officer, NRC. An inventory list as of February 7, 1983 is attached. An updated list has been requested and will be sent out with the next mailing.
3. CIE Journals Volume 1, No. 2 and Volume 2, No. 1 (replaces former Bulletin) and CIE Newsletters 21 to 24 and 342 to 348 were received from the Central Bureau and distributed to members.
4. New CIE Publications announced this year were:

No. 51	Colorimetry	\$18
No. 52	Lighting Calculations	\$30
No. 53	Detectors	\$ 8
No. 30.2	Calculation and Measurement of Luminance and Illuminance in Road Lighting	\$28
No. 54	Retroreflection - Definition and Measurement	\$15
No. 39.2	Recommendations for Surface Colours for Visual Signalling	\$54



5. The following have been dropped from the CNC/
CIE as consultants:

Mr. R. F. Hughes
B.C. Hydro and Power Authority

Mr. M. V. McKnight
Queen's Park, Toronto

Mr. E. R. Thurn
Vancouver, B.C.

The following have expressed an interest in
joining:

Mr. David MacGowan
Faculty of Architecture
University of Manitoba

Dr. T. H. Nilsson
Department of Psychology
University of Alberta

Mr. Paul Young
Electrical and Lighting Engineer
Energy Conservation Division
B.C. Hydro

6. Eight mailouts were issued by the secretary since
the last annual meeting. Mailouts were handled
by the Mines Accident Prevention Association of
Ontario and cost of the mailing was paid by the
National Research Council. Costs of mailing from
North Bay are as follows:

Postage	\$201.80
Labels	32.76
Envelopes	44.36
Letterhead	40.33
Photocopies	<u>109.55</u>

TOTAL COST = \$428.80

We require an up-to-date mailing list. Please
check the attached list and advise the secretary
of errors or omissions.

7. This was a particularly busy year for the CNC/CIE as a result of the restructuring and the 20th Session in Amsterdam.

Bob White looked after arrangements for the poster panel for Canada which was displayed during the first week of the Session.

Papers submitted by the Canadian National Committee for presentation at the 1983 CIE Session in Amsterdam included:

CONTRIBUTED PAPER

Small Field Spectral Sensitivity
by P. K. Kaiser and S. Nusinowitz

POSTER PRESENTATIONS

The conversion of a mirrored artificial sky to a clear sky distribution
by R. White.

Calculation of complex overshadowing conditions on building surfaces
by R. White.

The photometric assessment of brightness
by P. K. Kaiser et al.

Of particular interest to Canada were the election of Dr. Wyszecki as President of the CIE and the temporary transfer of the Central Bureau office to Ottawa under Mr. Budde.

Annual Report of the President, CNC/CIE

Friday, December 2, 1983.

1. A copy of the draft Lighting Vocabulary was procured and copies distributed to interested members for comment before the CNC/CIE submitted an affirmative vote.
2. A letter was received from Prof. de Boer with a revised version of the Statutes and By-Laws stating that the comments from the CNC/CIE for the first draft had been taken care of in the revised version. Copies were sent to the CNC/CIE Executive Committee and were made available to other members on request. Based on the responses received it was decided to vote in favor of this new version at Amsterdam.
3. Members of the CNC/CIE were asked if they would be willing to assume responsibility for one of the new Divisions and whether they would also be willing to consider nomination as a Division Director. Lists of experts in the study subjects outlined under the new division structure were also requested. We were only able to forward four out of the seven names required as division members although members were still interested in the study subjects they had dealt with under the technical committee structure. Inability to travel and the added responsibilities implied by the division structure were the reasons for our difficulties in attracting division members. The members nominated to date are:

Division 1	P. Kaiser
Division 2	A. Robertson
Division 3	R.E. Jennings
Division 4	B. Tansley
Division 5	-
Division 6	-
Division 7	-

4. A letter of congratulations was sent to Prof. de Boer on his receipt of an honorary doctorate degree from the Technical University in Berlin.
5. A letter was sent to Mr. Joe Thomas in reply to his letter of resignation thanking him for his work on behalf of the CNC/CIE.
6. Letters of appreciation on behalf of the Canadian delegates were also sent to the organizing committee of the Netherlands National Committee for the CIE 20th Session arrangements and to Philips for arranging the special visit to their Outdoor Lighting Laboratory.

M.G. Bassett,
President.

CIE Executive Committee Report

December 2, 1983

Background information relating to the nominees for members of the Board of Administration, nominees for Division Directors, 1982 financial account statements and the draft budget for 1984-1987 were forwarded to the CNC/CIE in the spring of 1983 in preparation for the Executive Committee Meetings to be held at the CIE 20th Session in Amsterdam. Various proposals for re-location of the Central Bureau were also received.

Two meetings of the Executive Committee took place at Amsterdam; the first was on Tuesday, August 30th and the second Saturday, September 3rd. The following items were discussed:

1. The proposed new Statutes and By-Laws which had been circulated to the National Committees for approval were confirmed by the Executive Committee with only some minor changes in wording.
2. Five new membership applications were approved: Hong Kong, Pakistan, Mexico, Brazil and Peru.
3. Reports were presented by the President, Secretary and the Chairman of the Action Committee on their activities during the quadrennium.
4. Three issues of the new CIE Journal have been published and delegates to the 20th Session received bound copies of the proceedings at the start of the conference. Publication will now be handled by Hungary.

5. There were long and heated discussions at the first meeting on the re-location of the Central Bureau. The final decision was made at the second meeting. A compromise solution was agreed to for the next four years: the Central Bureau will be located in Canada with Mr. Budde as the Executive Secretary. During this time the Board of Administration will investigate a more permanent solution with the Central Bureau hopefully located in Europe.

6. The new officers for the next quadrennium were unanimously elected as follows:

President Dr. G. Wyszecski , Canada

Past President Prof. Dr. Ing. J.B. de Boer , The Netherlands

Vice President Technical Dr. A.J. Fisher, Australia

" " Publications Dr. A.M. Marsden, Hong Kong

" " Liaison Mr. A.O. Wuillemin, Switzerland

" " Session Prof. Soardo, Italy

" " Without Portfolio Dr. J. Schanda, Hungary

" " " " Mr. J. Kossakowski, Poland

Secretary Prof. Dr. H. Terstiege, German
Federal Republic

Treasurer Mr. James Jewell, United States.

7. The next session will be held in Italy - Florence or Venice-in late June 1987. The mid-term session will likely be in Lausanne, Switzerland in September 1985 either before or after Lux Europa.

M.G. Bassett, President

W. Budde, Vice President