

Minutes of 24th Annual Meeting of
the Canadian National Committee of the CIE

(Held in the Energy and Services Building, Division
of Building Research, National Research Council, Ottawa,
8 November 1979)

Present

Members:

Prof. M.G. Bassett (University of Toronto), President
Mr. W. Budde (National Research Council)
Mr. G.H. Cornish (City of Calgary)
Mr. G.F. Dean (Consulting Engineer)
Mr. D.W. Frick (Consulting Engineer)
Mr. R.E. Jennings (Public Works Canada)
Prof. P.K. Kaiser (York University)
Mr. A. Ketvirtis (FENCO Consultants Ltd.)
Mr. C. Labrecque (Holophane)
Dr. A.W. Levy (National Research Council), Secretary
Mr. S.W. McKnight (Westinghouse, Canada)
Mr. G.E. Mulvey (Mulvey Engineering)
Mr. A.T. Orr (Orcons Co. Ltd.)
Dr. A.R. Robertson (National Research Council)
Mr. Z.S. Subotich (CSA)
Prof. D. Trotter (McGill University)
Mr. E. Wotton (Consulting Engineer)
Dr. G. Wyszecski (National Research Council)

Guests:

Mr. J.M. Kidd (Honeywell)
Mr. A. Lafontaine (City of Montreal)
Mr. S. Mahanti (D.W. Thomson, Consultants)
Prof. D. Moizer (Carleton University)
Dr. M. Rea (National Research Council)
Prof. R. White (Concordia University)

1. Call to order and approval of agenda

The President opened the meeting at 10:00 a.m. The order of the agenda was approved. The President indicated that apologies for absence had been received from Messrs. Clarkson, Manning, and Sanders.

2. Minutes of 23rd Annual Meeting

The Secretary read the minutes, which were then approved on a motion by Mr. Cornish, seconded by Mr. Budde.

3. Secretary's Report

The Secretary read his report, which is attached to these minutes. The report was approved on a motion by Prof. Kaiser and seconded by Mr. Mulvey.

4. President's Report

The President read her report, which is attached to these minutes. The report was approved on a motion by Mr. Budde and seconded by Prof. Kaiser.

5. Report from CIE Executive

The President summarized the report which is attached to these minutes. The report was approved on a motion by Dr. Robertson and seconded by Mr. McKnight.

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

Those reports presented and discussed are attached to these minutes.

Verbal reports were given by Mr. Frick (T.C.-1.1), Prof. Kaiser (T.C.-1.6), Mr. Subotich (T.C.-2.4), Prof. Bassett (T.C.-3.1), Mr. Labrecque (T.C.-3.3), Prof. Bassett (T.C.-3.5), Mr. McKnight (T.C.-4.5), Mr. Orr (T.C.-4.9). No reports, written or verbal, were available for T.C.-4.3 (formerly S.G.-H) and T.C.-4.7.

Summary of Verbal Reports

- T.C.-1.1 Received two communications from the Chairman. One dealt with by Mr. Davidson (former Canadian delegate); the other pending.
- T.C.-1.6 A written report will be sent to the Secretary.
- T.C.-2.4 No overseas meetings attended. Written report to be sent to Secretary. Due to changes in CSA activities more time will be devoted to this committee in future.
- T.C.-3.1 Prof. Bassett attended the meeting in Kyoto. CIE 19/2 will be published as two reports. New Chairman Prof. Bodmann (W. Germany). Roadway lighting removed from 19/2.

- T.C.-3.3 Three countries only active, namely France, Netherlands and U.K. R. Jennings attended meeting in Kyoto.
- T.C.-3.5 Prof. Bassett attended the meeting in Kyoto. Much international interest in Prof. Flynn's work in this area.
- T.C.-4.5 Mr. McKnight attended the meeting in Kyoto. It appears that this committee is close to recommended practices for the lighting of marshalling yards, airport aprons and similar exterior lighting applications.
- T.C.-4.9 A written report will be sent to the Secretary. Mr. G. Cornish attended a meeting in Kyoto. Three sub-committees are attending to lighting development parameters, benefit parameters and cost parameters. There are problems in reaching general conclusions since each member country places different values on these parameters. It was reported that 75% of the total lighting power load in the Japanese residential sector are fluorescent lamps.

7. Matters raised by CIE Central Bureau

The Secretary remarked that a number of matters were mentioned in his report (Agenda item #3). Dr. Wyszecski reported that a discussion of the effectiveness of the CIE was in progress within the organization.

8. NRC Office of Lighting Research

Dr. Wyszecski reviewed the activities of the Office during the preceding twelve months and reminded members of the history of events culminating in the establishment of the Office and the Advisory Committee. A directory of Canadian organizations and individuals in Lighting R&D is being compiled.

9. CIE 19th Session, Kyoto, 1979

All Canadian delegates and representaives agreed that the Congress was superbly organized and well worth attending. Prof. Bassett has passed on these sentiments by way of letters sent to the Japanese Organizing Committee.

There was some discussion for improving the format of the quadrennial conference with perhaps separating in time the presentation of papers and the technical committee meetings.

10. Appointments and re-appointments

It was recommended to CISTA that:

Prof. Bassett (Moved: Mr. Orr, Seconded: Prof. Kaiser) be re-appointed as President, Dr. Manning (Moved: Mr. Labrecque, Seconded: Mr. Budde) be re-appointed to the Executive Committee and Dr. Levy continue as Secretary.

Prof. Bassett and Mr. Budde were re-appointed as Canadian representatives to the CIE Executive Committee (Moved: Mr. Cornish, Seconded: Mr. Labrecque).

Appointments of Canadian delegates to Technical Committees

- T.C.-1.2 No delegate. The Secretary will request from the Central Bureau all correspondence be sent to him.
- T.C.-1.6 Three candidates were suggested; Dr. Adrian (U of Waterloo), Dr. Tansley (Carleton U), and Prof. P. Foley (University of Toronto).
- T.C.-1.7 Mr. Budde appointed.
- T.C.-2.1 No delegate. Correspondence will be received by the Secretary. Mr. Mandel is a possible candidate. Prof. D. Trotter will discuss this with Mr. Mandel.
- T.C.-2.3 Mr. Budde suggested Dr. Byron Jordan (PAPRICAN).
- T.C.-3.3 Mr. Labrecque will continue for 12 months until a replacement is found.
- T.C.-3.4 Mr. Chorlton will remain the delegate until an alternative is found. Suggestions include Drs. Adrian and Tansley.
- T.C.-4.3 Mr. T. Nutt appointed.

11. Other business

It was the consensus of the Committee that the President send a letter to the President of the CIE, Prof. de Boer, regretting the events surrounding this year's presidential election and urging a reform of the voting procedure.

12. Adjournment

There being no further business, the meeting was adjourned at 4:45 p.m.

1979-10-30

Secretary's Report to the Canadian National
Committee of the CIE

October 1979

1. The 1979 annual dues of \$1756.92 (Cdn) for Canadian membership of the CIE were paid by the National Research Council in February 1979. Subsequently an increase in dues was notified and a further installment of \$169.84 (Cdn) was paid in April 1979. Total dues amounted to \$1926.76.
2. The purchase and sale of CIE publications is still being handled by CISTI and NRC publications respectively. Our current inventory list is attached.
3. CIE Bulletins Nos. 35, 36 and CIE Newsletters 5, 6, 7, 8 and 8/2 were received from the Central Bureau and distributed to members.
4. Three new CIE Publications were announced this year:
 - No. 41 Light as a true visual quantity: principles of measurement
 - No. 42 Lighting for Tennis
 - No. 43 Photometry of Floodlights
5. A significant amount of time was spent handling travel arrangements and passing on information relevant to the CIE 19th Session held in August in Kyoto, Japan.

The NRC Committee on International Scientific and Technological Affiliations provided financial support for Marion Bassett (President) and Peter Kaiser (Chairman TC-1.4) to attend the 19th Session.

6. The CNC/CIE was invited earlier in the year to comment on a proposal for Canadian international non-governmental representation in scientific and engineering organizations. Comments were obtained from the Executive Committee and NRC members of the CNC/CIE. A statement from the President was sent to Mr. C. Gauvreau, Secretary, International Relations on 14 May 1979.

7. The following persons have joined the CNC/CIE as consultants:

I. Davis,
President, Varco Industries Ltd.,
Montreal, Quebec.

R.F. Hughes,
Lighting and Electrical Engineering Supervisor,
B.C. Hydro and Power Authority,
Vancouver, B.C.

James M. Kidd,
Market Manager, Lighting Control Systems,
Honeywell Limited, Scarborough, Ontario.

P. McQuillan, Manager of Technical Services,
Canadian Pittsburgh Industries, Toronto, Ontario.

Others who have expressed strong interest in joining include:

S. Mahanti,
Chief Electrical Engineer and Principal,
D.W. Thomson Consultants Ltd.,
Vancouver, B.C.

R. White,
Assistant Professor,
Centre for Building Studies,
Concordia University, Montreal, Quebec.

J.H. Ouimet,
Principal,
Shany-Ouimet-Gelinas & Assoc.,
Montreal, Quebec.

Resignations from the CNC/CIE have been accepted from:

Mr. D.S. Gordon (B.C. Hydro) Executive Committee member.

G.C. Dutt (Health & Welfare, Canada). Delegate to T.C. 1.7

8. Received from the Central Bureau:

- (a) CIE financial report 1976-1979 and draft budget for the quadrennium 1980-83 [\$360,000 (U.S.)].
- (b) From the Treasurer, an explanation of CIE "units" for payment of annual dues.
- (c) Request for an up-to-date list of CNC representatives on each Technical Committee for the next quadrennium observing the following CIE Statutes:
 - Every member of a Technical Committee is nominated by his National Committee as its representative
 - A National Committee is not allowed to have more than one representative to each Technical Committee
 - The same representative of a National Committee may serve on several Technical Committees.
- (d) Notice that the application for membership of the National Committee of the German Democratic Republic was approved by the Executive Committee of the CIE, on August 20, 1979.

9. A busy year because of the 19th Session but also much interest in CIE publications and the CNC/CIE itself.

Alan Levy,
Secretary CNC/CIE.

CIE Publications 1978-79

		1978-79 Purchased	Sold 1978-79	Current Stock
2.2	Colors of light signals, 1975	5	4	1
8	Street lighting and accidents, 1960	0	0	1
9	History of the CIE, 1963	5	0	5
12.2	International recommendations for the lighting of public thoroughfares, 1977	0	1	14
13.2	Method of measuring and specifying color rendering properties of light sources, 1974	0	0	1
15	Calorimetry, 1971	0	4	34
15/1	Special metamerism index: change of illuminant, 1972	0	0	209
15/2	Recommendations on uniform color spaces - color difference equations - psychometric color terms	0	3	25
16	Daylight, International recommendations for calculation of natural daylight, 1970	0	1	4
17	International Lighting Vocabulary, 1970	0	3	3
18	Principles of light measurements, 1970	0	1	14
19	A unified framework of methods for evaluating visual performance aspects of lighting, 1972	0	6	5
20	Spectral distribution of solar radiation, 1973	0	2	6
21-B	49 Preprinted papers of 17th Session (3 vol.)	0	0	6
22	Standardization of luminance distribution on clear skies, 1972	0	0	4
23	Motorway lighting, 1972	0	2	20
24	Photometry of indoor type luminaires with tubular fluorescent lamps, 1973	0	0	4

		1978-79 Purchased	Sold 1978-79	Current Stock
25	Procedures for the measurement of luminous flux of discharge lamps and for their calibration as working standards, 1973	0	1	1
26	International recommendations for tunnel lighting, 1973	0	0	5
27	Photometry of luminaires for street lighting, 1973	0	0	5
28	The lighting of sports events for colour TV broadcasting, 1975	0	1	8
29	Guide on interior lighting, 1975	0	1	5
30	Calculation and measurement of luminance and illuminance in road lighting, 1976	0	1	4
31	Glare and uniformity in road lighting installations, 1976	0	0	10
32A/ 32B	Lighting in situations requiring special treatment (Roadway lighting), 1977	0	0	12
33A/ 33B	Depreciation of installations and their maintenance (Roadway lighting), 1977	0	0	13
34	Road lighting lantern and installation data - photometric, classification and performance, 1978	0	0	12
35	Lighting of traffic signs, 1978	0	0	17
36	Proceedings, 18th Session of CIE, London, 1975	0	0	4
37	Exterior lighting in the environment, 1976	0	1	10
38	Radiometric and photometric characteristics of materials and their measurement, 1977	0	3	8
39	Surface colours for visual signalling, 1978	0	0	12
40	Calculations for interior lighting - Basic Method, 1978	0	5	21

		1978-79 Purchased	Sold 1978-79	Current Stock
41	Light as a true visual quantity: principles of measurement, 1978	25	16	9
42	Lighting for tennis, 1978	15	4	11
43	Photometry of Floodlights, 1979	25	9	16

Report of President, CNC/CIE

November 1979

1. A "Proposal for Canadian International Non-Government Representation" was received in January from Mr. C. Gauvreau, Secretary for International Relations, National Research Council. Comments from the CNC/CIE were requested on this document. A draft reply was prepared and approved by the CNC/CIE Executive Committee and sent to Mr. Gauvreau in May, 1979.
2. A letter of condolence from the CNC/CIE was sent by the President to the Polish National Committee on the death of Prof. Oleszynski a Vice-President of the CIE.
3. Letters of appreciation were sent, on behalf of the Canadian delegation to the CIE 19th Session in Kyoto, to the Japanese National Committee, the Japanese Organizing Committee and the Ladies Committee.

M.G. Bassett, President

Report of CIE Executive Committee Members

November 1979

1. A letter was received in December 1978 from the CIE President, Dr. Guth, concerning the nomination of officers of the CIE for the next quadrennium. The Following candidates had the unanimous approval of the Board of Administration:

President: Prof. L. Morren
Chairman of the Action Committee
and Vice President: Prof. J.B. de Boer
Vice Presidents: Dr. G. Wyszecski
Mr. J. Kossakowski

The remaining two positions for Vice President were left open and nominations were solicited from the National Committees. No nominations by Canadian members were sent.

2. The financial report and draft budget of the CIE Treasurer were received in March 1979.
3. In May 1979 a letter was received from the Secretary of the Swiss National Committee, supported by the German and Austrian National Committees contesting the proposed slate of officers and proposing the following alternate candidates:

President: Prof. J.B. de Boer
Vice President and Chairman of the Action
Committee: Dr. J. Schanda

There were no nominations for the remaining Vice-President positions.

4. A letter was received in July, 1979 from the CIE President, commenting on the Swiss, German and Austrian letter. A detailed explanation for the Board of Administrations' proposed slate of officers was included and a list of nominees for all the CIE offices for the next quadrennium was given:

President: Prof. L. Morren (Belgium)
Vice-Presidents: Mr. S. Kossakowski (Poland)
Dr. J. Svehla (Czechoslovakia)
Mr. A.O. Wuillemin (Switzerland)
Dr. G. Wyszecski (Canada)
Prof. J.B. de Boer, Chairman of
Action Committee.

Secretary: Prof. H. Terstiege (Germany)

Treasurer: Mr. J.V. Gaudel (France)

5. A letter was received from the CIE President in August concerning the CIE Bulletin. Brief articles on the organization and operation of the National Committees were requested. The Canadian National Committee has not responded to this request at this time.
6. Two meetings of the CIE Executive Committee were held at Kyoto. The following items were discussed.
 - 6.1 Reports were presented by the Secretary Dr. B. Steck and by the Treasurer, Dr. Terrien. The financial state of the CIE was very poor after the London session but this situation has been improved and suggestions were made in the proposed budget to maintain this favourable financial position. It was suggested that a part-time accountant be employed to improve the accounting procedures.
 - 6.2 Dr. Wyszecski, Chairman of the Action Committee gave a report and a "Proposed List of CIE Technical Committees and Study Groups presented for 1980-1983 Quadrennium". Canada will keep TC1.4 Vision and SG-G Global Radiation will become a sub-Committee of TC.1.7 Actinic Effects of Optical Radiation. TC.1.2 Photometry and Radiometry was held by Dr. C.L. Sanders until his retirement in the summer. Since a new chairman was not found it was suggested that it be combined with TC2.2, Detectors under Dr. Schanda.
 - 6.3 The German Democratic Republic was allowed full membership with voting rights at the second Executive Committee Meeting.
 - 6.4 The invitation by the Polish National Committee to hold the 1983 General Session in Warsaw, Poland was accepted. Mr. Kossakowski spoke about arrangements and suggested early May 1983 as a suitable date. The academic members had reservations about this choice so the time will be given further consideration.
 - 6.5 The proposed budget was passed with the proviso that the National Committees be advised of any problems with the Proceedings. There is to be a 20 per cent increase in fees for the first year and 10 per cent thereafter.
 - 6.6 A Proposal was made by Australia with regard to accounting procedures. This will be studied by the Board for financial feasibility.
 - 6.7 Germany requested that the method of assessing fees and budgeting be studied to achieve a more equitable distribution between countries.
 - 6.8 The following new officers of CIE were elected.

President: Prof. J.B. de Boer

Treasurer: Mr. J.V. Gaudel
Secretary: Prof. H. Terstiege
Vice-Presidents: Dr. J. Schanda (Chairman of
Action Committee)
Dr. G. Wyszecski
Prof. L. Morren
Mr. J. Kossakowski
Dr. J. Svehla

- 6.9 It is hoped that in the near future India will be able to become a member.
- 6.10 Proposals for increasing the effectiveness of CIE Technical Committees were made by Great Britain. They will be considered by the Board of Administration.
- 6.11 A proposal was made by the Netherlands that the Board of Administration investigate the feasibility of the CIE publishing a regular periodical which would include scientific papers, news, proceedings of the Plenary Sessions etc. This will be considered by the Board.

M.G. Bassett, President
W. Budde, Past President

24th ANNUAL MEETING OF THE CNC/CIE

Date: Thursday, 8 November, 1979

Time: 10:00 - 16:30

Place: Building M-24,
Division of Building Research,
National Research Council,
Montreal Road,
Ottawa, Ontario. K1A 0R6
Telephone: (613)993-1421

Proposed Agenda

1. Call to order and approval of Agenda.
2. Minutes of 23rd Annual Meeting.
3. Secretary's Report.
4. President's Report.
5. Report from CIE Executive Committee.
6. Reports from delegates to CIE Technical Committees and Study Groups.
7. Matters raised by CIE Central Bureau.
8. NRC Office of Lighting Research.
9. CIE 19th Session, Kyoto, 1979.
10. Appointments and re-appointments.
11. Other business.
