

Mines
Accident
Prevention
Association
Ontario

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1982 November 22

TO: Members and Consultants

1. Minutes of 27th Annual Meeting
2. Reports from (a) Secretary
(b) President
(c) CIE Executive Committee
(d) Committees
3. 1982 Roster. MEMBERS only
4. Call for Papers CIBS National Lighting
Conference 1984
5. CIE News Letter #20
6. Updated Mailing List
7. Seasons Greetings to all

Best regards,



Don Trotter
Secretary



MINUTES OF THE 27TH ANNUAL MEETING OF THE

CANADIAN NATIONAL COMMITTEE OF THE CIE

Held in the Physics Building, National Research Council, Ottawa, 4th of November, 1982.

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 Canada)
Mr. C. Labrecque (Consulting Engineer)
Dr. P. Manning (Technical University of Nova Scotia)
Mr. S. McKnight (Crouse-Hinds Company)
Mr. G. Mulvey (Mulvey and Banani International)
Mr. A. Orr (Orcons Co. Ltd.)
Dr. M. Rea (National Research Council)
Dr. A. Robertson (National Research Council)
Mr. D. Trotter (Mines Accident Prevention Association Ontario), Secretary
Prof. R. White (Concordia University)
Dr. G. Wysecki (National Research Council)

1. Call to order and approval of agenda

The President opened the meeting at 10:20 a.m. The order of the agenda was approved.

2. Minutes of 26th Annual Meeting

The Secretary read the minutes. Mr. Budde moved that minutes be approved, seconded by Dr. Robertson.

3. Secretary's Report

The Secretary read his report, which is attached to these minutes. It was noted that item 7 is not a change of chairman but merely a change of address.

The Secretary's report was approved, motion moved by Mr. Jennings, seconded by Dr. Robertson.

4. President's Report

The president's report was read by Prof. Bassett and is attached to these minutes. Mr. Dean moved that the president's report be approved, seconded by Mr. McKnight.

5. Report of CIE Executive Committee

The report is attached to these minutes. Moved by Dr. Manning, seconded by Mr. Labrecque that the Executive Committee report be approved.

6. Reports from Committees

The reports are attached to these minutes.

- T.C.-1.1. No report available. Prof. Bassett to check into Canadian member for this committee.
- T.C.-1.2. Verbal and written report from Mr. Budde. There is no Canadian member for this technical committee. Mr. Budde is the acting Canadian member.
- T.C.-1.3. Verbal and written report from Dr. Robertson.
- T.C.-1.4. Written report from Prof. Kaiser.
- T.C.-1.6. No report available.
- T.C.-1.7. Verbal and written report from Mr. Budde. It was noted that an article published in Lancet states that melanoma can be induced by fluorescent lighting. An article in CIBS replies to the Lancet article.

Mr. Budde requested that he be considered off T.C.-1.7.
- T.C.-1.8. No report available.
- T.C.-2.1. No report available.
- T.C.-2.2. Verbal and written report from Mr. Budde. Dr. Rae questioned whether this committee would recommend a particular instrument or would attempt to classify instruments. Mr. Budde replied that there can't be a general classification for instruments because they are good in some respects but not good in others. CIE stay away from recommending particular instruments.
- T.C.-2.3. No report available.
- T.C.-2.4. A written report from Mr. Subotich.
- T.C.-3.1. Verbal and written report from Dr. Rae.
- T.C.-3.2. A written report from Dr. Robertson.
- T.C.-3.3. No report available.
- T.C.-3.4. No report available.
- T.C.-3.5. Verbal and written report from Dr. Manning.
- T.C.-4.1. Verbal and written report from Mr. Dean. Mr. Dean handed in a 150 page report from D. Fischer on Interior Lighting. This is a preliminary draft report for Guide for Lighting. Mr. Jennings will photocopy and mail out for comments.

- T.C.-4.2. No report available.
- T.C.-4.3. No report available.
- T.C.-4.4. Verbal and written report from Mr. McKnight. Mr. McKnight explained the Glare Mark system, a European system using as a basis the numbers 1 to 10 to rate glare. Example 1 - unbearable, 6 - just perceptible, 10 - no discomfort at all. This paper is by VanBommel.
- T.C.-4.5. No report available.
- T.C.-4.6. No report available. Mr. Ketvirtis planned to present a verbal report but his airflight was cancelled.
- T.C.-4.7. Written report attached to the bottom of written report T.C.-2.4.
- T.C.-4.9. Verbal and written report from Mr. Orr.
- T.C.-4.10. Verbal and written report from Mr. Trotter.
- S.G.-1. Verbal report from Prof. White.

7. Restructuring of Technical Committees

Seven divisions have been set up to replace the technical committees. A list is attached showing the present technical committees and the new division into which each committee will be placed. The Canadian members of the present technical committees are asked to note which division their technical committee is in and to consider which Canadian member could best serve on each division, since there can be only one Canadian representative for each division. These seven Canadian representatives must be able to travel to Europe once each year, have to co-ordinate the activities of a division in their own country, have to advise the Division of the Canadian vote and point of view. Present members who are unable to make this commitment are asked to consider if they are willing to serve as an advisor. Prof. Bassett will send out a letter requesting other names, not necessarily members. The aim is to have a slate of names available for Amsterdam.

An objection was raised that each chairman of a committee is not able to hand pick his own committee members but must accept one member from each country.

Moved by Mr. Budde and seconded by Mr. Orr that the Canadian National Committee accept the statutes of August 6, 1982 but that the Canadian National Committee strongly urge the insertion of the word "non-profit" as an adjective in the definition of the organization.

Moved by Dr. Rae and seconded by Mr. Budde that the Canadian National Committee express their concern about the excess number of members nominated by the National Committees. Since this can restrict committee efficiency this should be monitored closely to alleviate the problem.

<u>NUMBER</u>	<u>DIVISION</u>	<u>TITLE</u>	<u>COUNTRY</u>	<u>CHAIRMAN</u>	<u>CANADIAN MEMBER</u>
TC-1.1	7	Terminology	France	J. Terrien	--
TC-1.2	2	Photometry and Radiometry	Austria	F. Rotter	--
TC-1.3	1	Colorimetry	G.B.	R.W.G. Hunt	A.R. Robertson
TC-1.4	1	Vision	Canada	P. Kaiser	P. Kaiser
TC-1.6	4	Visual Signalling	France	P. Blaise	B. Tansley
TC-1.7	6	Actinic Effects of Optical Radiation	Italy	L.R. Ronchi	W. Budde
TC-1.8	6	Photochemistry and Plant Growth	USSR	G. Sarytchev	G. Szeke
TC-2.1	7	Sources	Japan	Y. Otani	A. Mendel
TC-2.2	2	Detectors	South Africa	F. Hengstberger	W. Budde
TC-2.3	2	Materials	USA	F. Grum	B. Jordan
TC-2.4	2	Luminaires	Belgium	P. Massart	Z.S. Subotlich
TC-3.1	1	Visual Performance	Germany (FR)	H. Bodmann	M. Rea
TC-3.2	1	Colour Rendering	G.B.	M.B. Halstead	A.R. Robertson
TC-3.3	3	Physical Environment	G.B.	G.W. Brundrett	S. Mahanti
TC-3.4	1, 3	Discomfort Glare	Australia	K. Poulton	W. Adrian
TC-3.5	3	Visual Environment	France	E. Barthes	P. Manning
TC-4.1	3	Interior Lighting	Netherlands	D. Fischer	G.F. Dean
TC-4.2	3	Daylighting	Israel	E. Ne'eman	R.E. Jennings
TC-4.3	3	Lighting for Theatre, Television and Film	USA	S.J. Bonsignore	T. Nutt
TC-4.4	5	Sports Lighting	G.B.	R. Aldworth	S.W. McKnight
TC-4.5	5	Exterior Lighting	Switzerland	J. Rubeli	G. Szeker
TC-4.6	4	Road Lighting	Australia	A.J. Fisher	A. Ketvirtis
TC-4.7	4	Automobile Lighting	Netherlands	J.J. Balder	S. Subotlich
TC-4.9	7	Lighting Economics	Czechoslovakia	J. Svehla	A.T. Orr
TC-4.10	5	Mine Lighting	Poland	A. Peretiatkowicz	D. Trotter
S.G.1.	7	Lighting Education and Information	Hungary	G. Debrezczini	R. White

8. Matters Raised by Central Bureau

Dr. Wyszecski reported that a survey is being made to determine if countries other than France would be willing to take on the duties of the Central Bureau. Inflation rates, particularly in Europe, make it expensive to run the Central Bureau. Mr. Budde is looking at costs, location, legal matters to have the Central Bureau located in Canada. Information is to be sent to Paris by November 20th.

A letter was tabled addressed to Prof. Bassett from President de Boer with the proposed list of candidates of the new Board of Administration. Moved by Mr. Dean, seconded by Mr. Jennings, that the slate is acceptable except for the position of Treasurer, which should not be decided until the new location of the Central Bureau is established.

9. Appointments and Re-appointments

Mr. R. Jennings will act as interim Canadian member for T.C.-4.2. All other Canadian members are re-appointed.

10. 1983 Plenary Session

Several members indicated their intention to attend. Mr. Orr and Mr. Jennings will investigate group fares.

Prof. White will co-ordinate a committee to select photographs illustrating good Canadian lighting installations for display at Amsterdam. Maximum size of photographs are 8" x 10". Maximum size of display is 1 m x 2 m. Committee consists of A. Mendel, C. Labrecque, I. Davis and R. White.

11. CIE Publications

Because of certain resignations at NRC, the secretary has had trouble ordering new books. This should be cleared up shortly.

12. Mailouts

All mailing is now being done from North Bay.

13. Adjourn

Moved by Mr. Jennings, seconded by Mr. McKnight that the meeting adjourn.

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

November 4, 1982

1. The 1982 annual dues of US \$2573 for Canadian membership of the CIE were paid by the National Research Council. An original payment of US \$2338 was in error and the missing US \$ 235 was forwarded at a later date.
2. The administration of the purchase and sales of CIE Publications is currently undergoing reorganization. It is planned to purchase, store, and sell all publications from the MAPAO offices in North Bay.
3. CIE-Journal, Volume 1, Number 1 was received from the Central Bureau and distributed to members. This takes the place of the former CIE-Bulletin which was intended as an internal publication. The new Journal is intended for a broader audience to get direct information on CIE activity, on the questions dealt with in CIE Technical Committees, and on the standards and illuminating engineering guides published by the CIE to foster world wide uniform practice. A second issue is scheduled for 1982 and will be mailed to members on receipt. The two issues will form one volume.
4. CIE Newsletters 17, 18, and 19 were received from the Central Bureau and mailed to members. CIE Newsletter No. 20 is attached to this report. The next newsletter (No. 21) will be circulated in December.
5. Three new CIE Publications were announced this year. These were: No. 51 (A method for assessing the quality of daylight simulators for colorimetry), No. 52 (Applied method of calculations for interior lighting), No. 53 (Methods of characterizing the performance of radiometers and photometers).
6. The 20th CIE Session will not take place in Warsaw, Poland as formerly scheduled. It will be held 31st August - 8th September 1983 at the International Congress Centre, Amsterdam, Netherlands.

The Session will be divided into two parts, each of four days.

- (1) From August 31 to September 3.
Conference including the Opening Session,
Invited and Contributed Papers and Poster Presentations.
- (2) From September 5 to September 8.
Technical Meetings including the CIE Technical Committee
Quadrennial Meetings.
Joint and Special Meetings as well as the Closing Session.

7. A change in the chairmanship of the following CIE Technical Committee was announced in Newsletter No. 19.

TC-1.3 Colorimetry

Dr. R. W. G. Hunt (England)

8. A call for papers was received from the following:

(1) 1983 International Daylighting Conference 16-18 February 1983.
Phoenix, Arizona USA.

(2) XX Session of the CIE.
August 31 - September 3, 1983. Amsterdam, Netherlands.

In addition, the XX Session are requesting material for a Photographs Exhibition during the Session. Each National Committee will be given a rectangular space 2m x 1m. The photographs must be sent before May 1, 1983 to the National Committee of the Netherlands.

Abstracts for two papers for the XX Sessions have been forwarded to the Central Bureau. These are titled:

1. The Conversion of a Mirrored Artificial Sky to a Clear Sky Distribution.
2. Calculation of Complex Overshading Conditions on Building Surfaces.

Both were submitted by Robert White, Concordia University.

9. Literature has been received regarding the re-structuring of the CIE, particularly regarding the re-organization of technical committees.
10. In future, all general mailing relating to CNC/CIE will be handled from North Bay, Ontario.



D. A. Trotter
Secretary CNC/CIE

ATTENTION

Only one copy of each News Letter is sent to National Committees and Technical Committee Chairmen and Secretaries. Please circulate information to all members.

- I. 20th Session of CIE : 31 August - 8 September 1983
International Congress Centre - Amsterdam, Netherlands

II. Calendar of CIE Technical Committee Meetings

- TC-1.6 5-6 May 1983 - Paris, France
- TC-1.6 Scs 4 May 1983 - Paris, France
- TCs 1.6 + 2.3 + 4.6 - Symposium on road markings : 2-3 May 1983 - Paris, France
- TC-1.7 22 p.m., 23, (24 a.m.) November 1982 - Paris, France
- TC-1.8 1982 - Cologne, Germany, Fed. Rep.
- TC-3.5 28-29 October 1982 - Budapest, Hungary
- TC-4.1 9-10-11 November 1982 - Munich, Germany, Fed. Rep.
- TC-4.2 International Daylighting Conference : 16-18 February 1983 - Phoenix, Arizona, USA
- TC-4.4 25-27 October 1982 - Edinburgh, G.B.
- TC-4.5 8 October 1982 - Lisbon, Portugal
- TC-4.5/SC6 + TC-4.6/SC9 : 22-23 November 1982 - Paris, France
- TC-4.6 2-3, 6-7 December 1982 - Dubrovnik, Yugoslavia
- (?) 1984 : USA
- TC-4.9 12-14 October 1982 - Milan, Italy
- SG I 30 October 1982 - Budapest, Hungary
- GTB/CE 66 11-13 October 1982 - Paris, France

III. Calendar of Technical Meetings of International Organizations

1. In liaison with CIE

Liaison A

- ISO
 - TC 22 : May 1983
 - TC 22/SC8 Road Vehicles - Lighting and Signalling : 14-15 October 1982 - Paris, France
 - TC 159/SC5 : March, April or October 1983 - Berlin (West) - Germany
- IEC - General Meetings
 - 3rd/4th weeks October 1983 - Tokyo, Japan
 - June 1985 - Montreal, Canada
- CIB
 - 9th Congress : 15-19 August 1983 - Stockholm, Sweden
 - S17 Heating and Climatization : 1983 - Sweden
 - W14 Fire : 15-19 May 1984 (?)
 - W55 Building Economics : 11-13 August 1983 - Hørsholm, Denmark
 - Symposium : 18-20 July 1984 - Waterloo, Canada

- AIC : 5th Congress 1985 - Monte Carlo
- IALA : XIth Conference - 12-27 April 1985 - Brighton, G.B.
- UIA
 - International Conference on energy saving in building :
 - 1-10 August 1983 - Sydney, Australia
 - 15th Congress : Architecture and Technology 1984 - Manila, Philippines
 - 16th Congress : North and South 1987 - Brighton, G.B.
- PIARC : 1983 - Sydney, Australia
- ICO : 13th Congress - 20-24 August 1984 - Sapporo, Japan

Liaison B

- OIML : Committee 3-5 May 1983 - Copenhagen, Denmark
- Conference October 1984 - Helsinki, Finland

2. Without liaison with CIE

- REHVA (Federation of European Heating and Ventilating Associations)
 - 1st Congress : 28 August - 1 September 1985 - Copenhagen, Denmark
 - 2nd Congress : 1989 - Netherlands

IV. Calendar of miscellaneous International Meetings

- XVIIIème Congrès de la Société d'Ergonomie de Langue Française :
 - 13-15 October 1982 - Paris, France
- 2nd International Symposium on Visual Optics : 23-25 October 1982 - Tucson, Arizona, USA
- 3rd International Symposium on the Science and Technology of Light Sources :
 - 18-21 April 1983 - Toulouse, France
 - for information : Dr. J.J. Damelincourt, Centre de Physique Atomique, 118 route de Narbonne, 31062 Toulouse Cedex

V. Calendar of conferences of National Organizations in the illuminating field

- LUX EUROPA 1985 - Switzerland
- USA + Canada - IES
 - 7-11 August 1983 - Los Angeles, Cal., USA
 - 5-9 August 1984 - St Louis, Mis., USA
 - 21-24 July 1985 - Detroit, Michigan, USA
- Symposium on Visual Performance Criteria and Interior Lighting - 25-27 January 1983 - Ottawa, Canada
- Australia (IES) National Conference : 16-18 November 1982 - Sydney
- Licht 84 : LTAG + LiTG + SLG : 5-7 June 1984 - Mannheim, Germany Fed.Rep.

VI. Modifications to the Roster

- p. 3 Executive Committee :
 - Great Britain : replace J.B. Collins by A.H. Willoughby
 - South Africa : replace J.K. von Ahlften by C.J. Kok
- p. 27 (and 15) TC-1.2 Japan : Mr. Morotake Nishi, Electrotechnical Laboratory, 1-1-4, Umezono, Sakura-mura, Niihari-gun, Ibaraki 305
- p. 53 - TC-3.4 Denmark : H.J. Jacobsen, Philips Lampe A/S, Bøx 1919, Prags Boulevard 80, DK-2300 Copenhagen S
- p. 63 - TC-4.4 Great Britain : R.C. Aldworth, Thorn EMI Lighting Ltd., Jules Thorn Lighting Labs., Gt. Cambridge Road, Enfield EN1 1UL
- p. 67 - TC-4.6 Denmark : Kai Sørensen, Lysteknisk Laboratorium, Lundtoftevej 100, Bygning 325, DK-2800 Lyngby
- p. 73 (and 10) TC-4.10 Denmark : Delete Hans Hilsøe

VII. Recent publications

- ISO
 - TC 35 - Draft Proposal 2809 : Paints and varnishes - Determination of light fastness of paints for interior use
 - TC 61 - Draft Proposal 4892/DAD 1 : Plastics - Methods of exposure to laboratory light sources - Fluorescent lamps
 - Addendum 1 to ISO 4892-1981
- IEC
 - Publication 598 : Luminaires, Part 2 : Particular requirements, Section 7 : Portable luminaires for garden use (30/7/82)
 - Section 20 : Lighting chains (30/7/82)

- The Australians have changed the name : "IES Lighting Review" into "Lighting in Australia".

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The next News Letter (N° 21) will be circulated in December 1982. Please send in material for this News Letter to Central Bureau before 15 November 1982



UNIVERSITY OF TORONTO
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Toronto, Canada M5S 1A4

Annual Report of the President, CNC/CIE

Thursday, November 4, 1982

1. A letter was received from Prof. de Boer, President of the CIE, in the spring of 1982 enclosing the proposed new Statutes, By-Laws and Division Structure for the CIE. Each National Committee was asked to study the documents and to respond by July 1st, 1982.

The information was circulated to the members of the CNC/CIE and two meetings were held in June: one in Toronto and one in Ottawa. Members who were unable to attend were asked to respond by letter or phone. Comments, which were felt to represent the consensus of the CNC/CIE, were sent to Prof. de Boer on June 16th.

The CIE Board of Administration met in New York in August and a new version of the restructuring documents was prepared and sent again to the National Committees. Copies of these new documents have been sent to the members for their consideration so that the CNC/CIE vote may be decided on today and forwarded to the Central Bureau by November 15th.

2. The President of the CNC/CIE and Dr. G. Wyszecski were invited to attend the USNC/CIE Executive Committee meeting in Rochester, N.Y. in April 1982 so that members from the two national committees could exchange views on the restructuring proposals. Dr. Wyszecski was unable to attend but the President attended and found the discussions very informative.
3. Prof. de Boer had expressed a wish to meet with members of the CNC/CIE while he was in North America in August. It was hoped that he could come to Toronto after the IES National Technical Conference in Atlanta but he was not able to arrange it because of other commitments.

MGB:lw

M.G. Bassett,
President.



UNIVERSITY OF TORONTO
Department of Electrical Engineering
Toronto, Canada M5S 1A4

CIE Executive Committee Report

November 4, 1982

A letter was sent to the members of the Executive Committee in January by Prof. de Boer, with regard to the 1983 Plenary Session, which was to take place in Warsaw. Permission was requested authorizing the Board of Administration to postpone the Polish invitation to 1987 and to choose another host country for the 1983 Plenary Session. The Canadian members of the CIE Executive Committee agreed to this request and a letter was sent to Prof. de Boer.

M.G. Bassett

W. Budde.

MGB:lw

CIE TC-1.2 Photometry and Radiometry
Annual Report 1982

Canadian Consultant: W. Budde

TC-1.2 held one meeting at Berlin (FRG) in Sept. 1982 which I attended. The following items were discussed:

1. The intercomparison of LED measurements is nearly finished and the first results will be presented in the near future.
2. The intercomparison of HPMV-lamps is finished and Mrs. Poppe (Hungary) presented preliminary results. The relative differences between the laboratories are in the order of 1.5%.
3. A new draft of the document on "Secondary Standard Sources" will be circulated early in 1983.
4. Not much progress was made in the Subcommittee on "Photometry of Flashing Lights". Efforts to define the subject more precisely are still under way.
5. The term "Distribution Temperature" and its significance and measurement was discussed. It is not obvious whether it is worthwhile to pursue this subject further.

W. Budde

W. Budde

CIE TC-1.3 (Colorimetry
Report to CNC/CIE, November 1982

Publication 15


Work has continued on the new edition of Publication 15, "Colorimetry-Official Recommendations of the CIE". I have received and commented on two drafts in the last year. The 1 nm tables of standard observers and standard illuminants have been separated with the intention of publishing them as "CIE Standards". The remainder of the old Publication 15 and its two supplements have been revised with the intention of publishing them as a "CIE Technical Report".

Standard Sources

The subcommittee on standard sources has been active in preparing tables of representative spectral power distributions of fluorescent lamps. The immediate purpose was to specify a limited number of distributions that will be recommended for use in calculating indices of metamerism. Later, more comprehensive tables will be prepared. I contributed by collecting spectral power distributions from the North American manufacturers.

Colour Differences

Several papers have been published and others submitted for publication describing research following the guidelines that this subcommittee published a few years ago. The subcommittee continues to stimulate and coordinate such research.



A.R. Robertson
Canadian Delegate



DEPARTMENT OF PSYCHOLOGY, C009

LA JOLLA, CALIFORNIA 92093

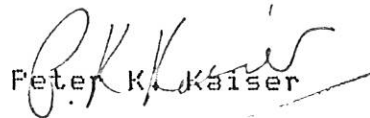
September 9, 1982

Annual Report TC 1.4, Vision

There were no meetings of TC 1.4, Vision since the Berlin 1981 meeting.

Research efforts from the four sub committees [Brightness scaling, Vision models, Spectral sensitivity functions, and Mesopic photometry] continues. A number of papers have been published or are about to be published in the Journal of the Optical Society of America, Color Research and Application and Japanese Journal of Optics and that stem directly from this technical committee's efforts. In addition, this committee's research efforts have also been represented at the following scientific meetings in 1981/82: Optical Society of America annual meeting, Orlando, Florida; Tucson, Arizona and the Annual Meeting of the Japan Society of Applied Physics, Fukuda, Japan. These will be fully documented in the quadrennial report which is now in preparation for the Amsterdam CIE meetings.

It is clear now, that we will not be able, as we originally hoped, to propose, at the 1983 CIE Quadrennial, a vision model that will transform CIE luminance measures to visually meaningful brightness measures. The state of the art in vision models, just has not progressed far enough yet.


Peter K. Kaiser

CIE TC1.7 Actinic effects of optical radiation
Annual Report 1982

Canadian Delegate: W. Budde

A state-of-the art report has been prepared. The major items, discussed in this report, are:

1. Actinic effects on the skin: composition of the skin, its reflectance, transmittance and absorption in various layers; formation of vitamin D; self-protection of the skin; action spectra; damages of the skin.
2. Actinic effects on the eye: transmittance and absorption in various parts of the eye; action spectra; for damages in various parts of the eye.
3. Actinic effects on the whole body: deleterious effects of "light starvation"; endocrine effects.

For the formulation of relevant CIE-standards several existing national standards are presently reviewed in TC-1.7.

W. Budde

W. Budde

CIE TC-2.2 Detectors
Annual Report 1982

Canadian Delegate: W. Budde

TC-2.2 held one meeting at Berlin (FRG) in Sept. 1982 which I attended. The following items were discussed:

1. A document "Methods for grading luminance and illuminance meters" is in the early stages of preparation. Originally two separate documents had been started but the large overlap made a combination advisable.
2. A document "Recommendations for the grading of colorimeters" has been prepared by Dr. Gundlach, Berlin. After discussions of several items in this document a new draft will be prepared.
3. The document "Electrically calibrated thermal detectors of optical radiation", prepared by Dr. Hengstberger, South Africa, was briefly discussed. Some editorial revisions were proposed. This document is practically ready for processing by the Action Committee.
4. A first draft for a document "Measurement of the spectral responsivity function of detectors" was presented at this meeting. It will be distributed to all members by mail for comments.
5. Documents on goniophotometric determination of luminous intensity distributions and total flux were also briefly discussed.

W. Budde

W. Budde

CIE, TC-2.4 (Photometry of Luminaires)

CIE, TC-4.7 (Automobile Lighting)

Report to CNC/CIE, November 1982

Photometry of Luminaires

Several communications have been received from the Secretary of CIE Committee.

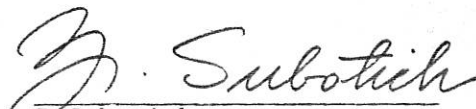
Part I was issued as a draft and deals mostly with general aspect and techniques of measurements.

Part II will contain more detailed information, but it will be a very slow process. Europeans recently have many difficulties in arranging the meetings and the Secretary proposed a correspondence method to save time and money.

Automotive Lighting

I did not obtain any direct communication from the Secretary of that Committee, but through my contacts with North American counterpart, they seem to be very active.

In the next few months I will try to make some direct contacts.


Z. Subotich
Canadian Delegate

CIE TC 3.1 Visual Performance

Report to CNC/CIE, November 4, 1982

This committee held one meeting during the past year in Louvain, Belgium, 82/08/30-31.

Most of our time was devoted to revising a draft report on Visual Displant Units (VDUs). Dr. Peter Boyce, representative from the UK, had prepared a manuscript for discussion at the meeting. His report was based upon material forwarded to him last winter by the committee members on the subject. Written comments from committee members and advisors on the draft report were presented and discussed. Dr. Boyce will prepare a final draft considering these comments very soon.

A small portion of the time was concerned with the chairman's quadrennial report. From the chairman's presentation it appeared that more items will be included in the report than were actually discussed by the committee at large during the quadrennium. I have sent a letter to the chairman in this regard.

M.S. Rea

CIE TC-3.2 (Colour Rendering)
Report to CNC/CIE, November 1982

A meeting was held in Oslo, Norway in September but I was not able to attend. I have not yet received any minutes.

The main items on the agenda were:

- (i) Possible improvements to the CIE colour-rendering index, including better methods of scaling and averaging the special indices, better colour-difference formulae and better chromatic-adaptation corrections.
- (ii) Illumination for colour reproduction in photography, television and printing.
- (iii) The possibility of adding fluorescent test colours to the colour-rendering index.



A.R. Robertson
Canadian Delegate

TECHNICAL UNIVERSITY OF NOVA SCOTIA
FACULTY OF ARCHITECTURE

CANADIAN NATIONAL COMMITTEE OF THE INTERNATIONAL COMMISSION ON ILLUMINATION
REPORT FROM COMMITTEE TC 3.5

The business of TC 3.5 tends to be carried out by occasional meetings in Europe, rather than by correspondence. There was a meeting in Budapest, recently, from 28-29 October, but I was unable to be present. I believe that I have not been present at a meeting of this committee since 1976 and, because of the manner of working and my usual inability to fund travel to the European meetings I am a sleeping, rather than active, member of the Committee. The most recent working document received from TC 3.5 was a "First draft of a technical report on the design of the visual environment." I had no hand in the writing of this yet I discovered that fourteen of the draft's twenty-five pages are from, or based upon, my paper on a strategy for lighting design that was presented to Health and Welfare Canada's Ottawa Conference in May 1981.

Peter Manning

PM/dm

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REPORT ON TC 4.1, INTERIOR LIGHTING
FOR
MEETING OF CNC/CIE, NOVEMBER 4, 1982
NATIONAL RESEARCH COUNCIL, OTTAWA

It was fortunate and timely that there was received from Dr. D. Fischer, Chairman of TC-4.1 approximately 150 pages of material pertaining to the 11 chapters of the new, proposed C.I.E. Guide for Interior Lighting.

The document was well and interestingly written and thus was easy to read. Due to the language difference, there are some mistakes in spelling and a few words used that did not have the appropriate meaning. These instances will be mentioned when I send our thanks for their contribution.

It was of interest to note that other countries have produced documents on Interior Lighting and I would welcome the opportunity to compare their proposed standards of quality and quantity with our recommendations. My interest would be with countries such as France, Germany, Hungary and Japan. I regret that circumstances have not allowed me to have photo-copies made of the documents for distribution at the meeting.

Frank Dean

TC-4.1
CNC/CIE

November 3, 1982

TC-4.4 Sports Lighting

S.W. McKnight

November 4th, 1982

Subcommittee: C.J. Courtney - Halifax
G.F. Dean - Toronto
R.F. Hughes - Vancouver
A. Lafontaine - Montreal
T. Nutt - Montreal

CNC/CIE
National Research Council
Ottawa

Discomfort and Disability Glare as applied to Sports and Floodlighting have been the main topic under consideration at the last meeting of the main committee. A very interesting paper was presented by W.J.M. Van Bommel on "Discomfort Glare in Outdoor Sports Lighting" and was part of the basis of the continuing study. This is excellent data establishing a "Glare Mark" for Floodlighting installations, similar to the Roadway Glaremark approach.

A TC 4.4 meeting was scheduled for Oct. 5 and 6th in Edinburg, Scotland and no minutes have yet been received.

My subcommittee has been kept up to date with the memo letters and Mr. Van Bommel's paper.

"Lighting For Swimming Pools" is now read for publication except for editing and some of our contributions were accepted.

W.G. Julian of Australia presented his views on "Environmental Problems with Outdoor Lighting" to the IES and TC-4.4 circulated it requesting comments which were given in support to the spill lighting distraction of large Stadium installations and the proposed limits and light control. More study on this will continue.

S.W. McKnight P. Eng. FIES
Canadian Delegate TC-4.4
Sport Lighting

SWMCK/dm

ANNUAL REPORT TO CNC/C.I.E.

TC 4.9 - LIGHTING ECONOMICS

There has been a number of reports from Chairman of TC 4.9, Dr. Jiri Svehla, and basically this activity is preparing for the 20th C.I.E. Amsterdam Conference in 1983 based on the specified 17 input parameters of lighting development in member countries from 1960 to the year 2000.

A list of articles or studies on the benefits of good lighting are being solicited by Mr. de Graaff.

The meeting of Oct. 12 - 14, 1982 in Milano was convened to attempt to correlate material received to date, we have not received a report of this meeting thus far. Our contribution has been minimal but we would very much like to make a "Canadian content" representation. Could any member with material to contribute kindly forward copies to:

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It is our hope to be able to attend the 20th C.I.E. Session in August 1983.

A. T. Orr

REPORT - 1982

TC-4.10 MINE LIGHTING

The annual meeting of TC-4.10 and its sub-committees was held September 13, 14 and 15 near Vereeniging, South Africa at the Anglo American Company's training centre.

During the general meeting, discussion centered on the draft proposal International Recommendations for Underground Mine Lighting. This is a report giving guidelines for member countries for task luminance levels, luminance uniformity ratios, acceptable glare, recommended sources for mechanized equipment and permanent installations, personal illumination, and intrinsic safety in luminaires.

The meeting worked on the second draft of corrected terminology issued by TC1.1 Section 845.10 relating to mine lighting terminology and suggested several changes.

Sub-committee meetings were held during the last two days. These consisted of:

SC4.10A Mine Lighting Measurements, chairmanship Germany

SC4.10B Opencast Lighting, chairmanship USA

SC4.10C Mine Lighting Sources, chairmanship Canada

SC4.10D Glare, chairmanship South Africa. This last sub-committee was recently formed when it was decided the problems associated with glare could not be covered adequately under the terms of reference of the established sub-committees. Canada has not as yet named its delegate to this sub-committee.

At the conclusion of the meetings, all participants (about 40) were the guests of the mayor of Vereeniging at a reception. This was followed by a 3 day tour of Kruger National Park, a visit to a colliery in the Witbank area and a visit to a gold mine near Johannesburg.

INTERNATIONAL MINE LIGHTING CONFERENCE

The International Mine Lighting Conference was held at Megawatt Park, the headquarters of ESCOM (The Electricity Supply Commission) on the outskirts of Johannesburg. The conference ran for two days, September 20th and 21st, with a total of 128 prepaid registrants and several late registrants.

Some 14 papers were presented, two from Canada, including the keynote address, and papers were evenly divided between design theory and practical mine lighting hardware. Papers concentrated on the lighting of haulageways as South Africa has several thousand km of haulageway requiring illumination.

Since South Africa has some 600 000 underground miners currently employed, one important paper dealt with the change over from tungsten filament cap lamps to tungsten halogen sources. Another important paper, by Dr. Einhorn, stressed the importance of controlling disability glare in the underground environment.

R. S. Yates of the action committee was among the attendees.

The conference was followed by a visit to a gold mine and the South African Chamber of Mines Research Laboratories.

CALL FOR PAPERS



CIBS LIGHTING DIVISION
NATIONAL LIGHTING
CONFERENCE 1984

The Organising Committee invites your contribution to the programme for the 9th National Lighting Conference being held at the newly established Robinson College, Cambridge from 15th to 18th April, 1984.

Papers are invited on subject matter associated with, and of interest to the lighting profession. Apart from specialist papers those of a more general nature will be welcomed particularly if they contain new ideas and philosophy.

Where possible papers will be grouped as follows:-

1. Exterior Lighting (roads, sports stadia and flood lighting)
2. Building Generally (architecture, interior design, shops and atria)
3. Emergency Lighting
4. Energy and It's Use in Lighting
5. Industrial Areas (factories, process areas)

If your subject is not included in the above list, but is associated with lighting in its broadest terms, all the better. If your experience extends beyond the U.K., your contributions help us maintain the international interest of the National Lighting Conference. Papers introducing controversial and new ideas or critical of existing methods or policies are especially welcome.

In 1984 there will be a Festival of Architecture celebrating the 150th Anniversary of RIBA. This may influence your choice of subject of lighting in association with structures.

A brief summary of about 200 words should be submitted indicating the subject, scope and treatment of your proposed paper, to reach the Lighting Division Secretary by 31st January 1983. Selected authors will be advised by the end of February and first draft of your manuscript will be required, for refereeing, by 1st August, 1983. The final manuscript with illustrations must be ready for printing by 1st December 1983 as it is intended to provide each delegate with a document containing the pre-prints of all the papers. It is required that authors will not read their papers but give a presentation with visual content. Guidelines and advice on visual presentation can be given to authors who require such assistance.

It is hoped once again to provide display facilities for delegates and authors wishing to display products or photographs of projects pertinent to the topics under discussion.

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