# CANADA

DEPARTMENT OF ENERGY, MINES AND RESOURCES CANADA CENTRE FOR MINERAL AND ENERGY TECHNOLOGY

A. Mann 15/3

OTTAWA

ENERGY RESEARCH LABORATORIES

DIVISIONAL REPORT ERL 75/3

C.E.A.L. 344

ANNUAL REPORT OF 1974 ACTIVITIES OF CNC/IEC/CSC ON TC 31 "ELECTRICAL APPARATUS FOR USE IN EXPLOSIVE ATMOSPHERES"

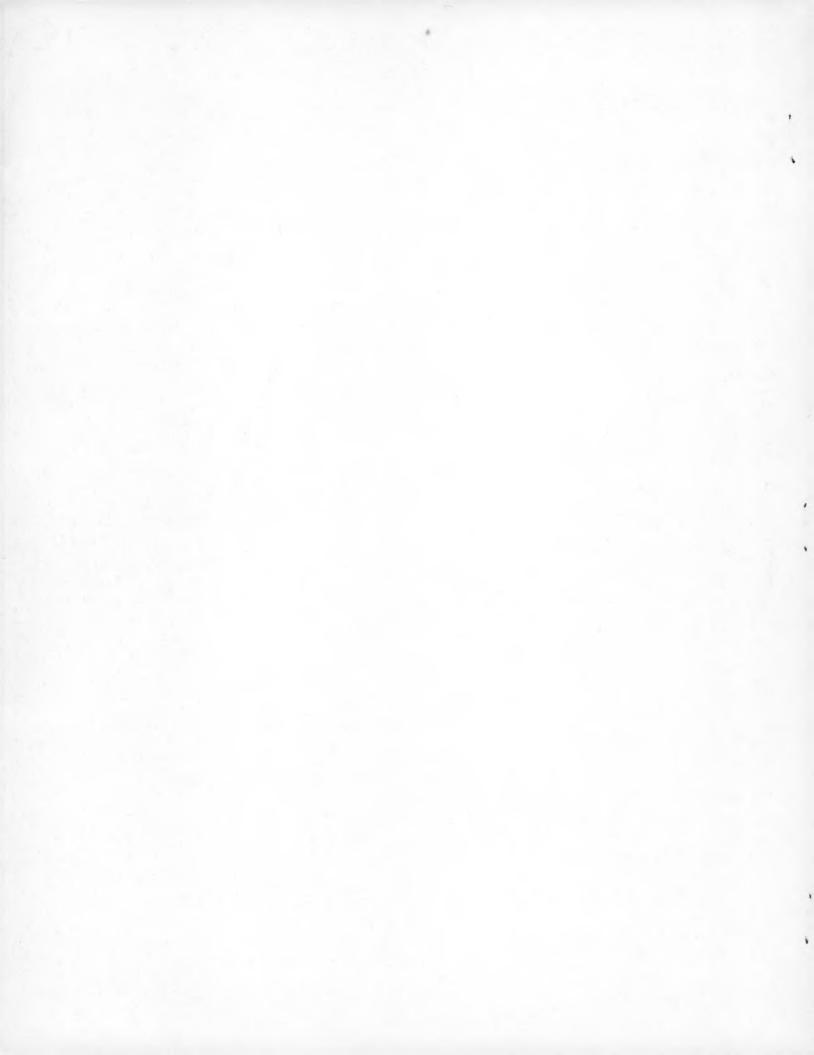
by

George K. Brown

January, 1975

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# ANNUAL REPORT OF 1974 ACTIVITIES OF CNC/IEC/CSC ON TC 31 "ELECTRICAL APPARATUS FOR USE IN EXPLOSIVE ATMOSPHERES"

The membership of the committee is shown in (Appendix A). Please note that E.D. Dainty has left the committee also WG 8 of TC 31 and WG 3 of SC 31A. This change occurred in December due to Mr. Dainty having a change of employment.

A meeting of the CNC/IEC/SC was held on January 9th, 1974 in Toronto. At this meeting the subjects on the Agenda for a meeting of TC 31 in Paris in February were thoroughly discussed. The selected delegates were advised concerning the opinion of Canadian committee on each agenda item. A report was submitted after the Paris meeting and a copy is attached herewith.

In addition to the above meetings a number of WG meetings were attended by the Canadian experts as follows:

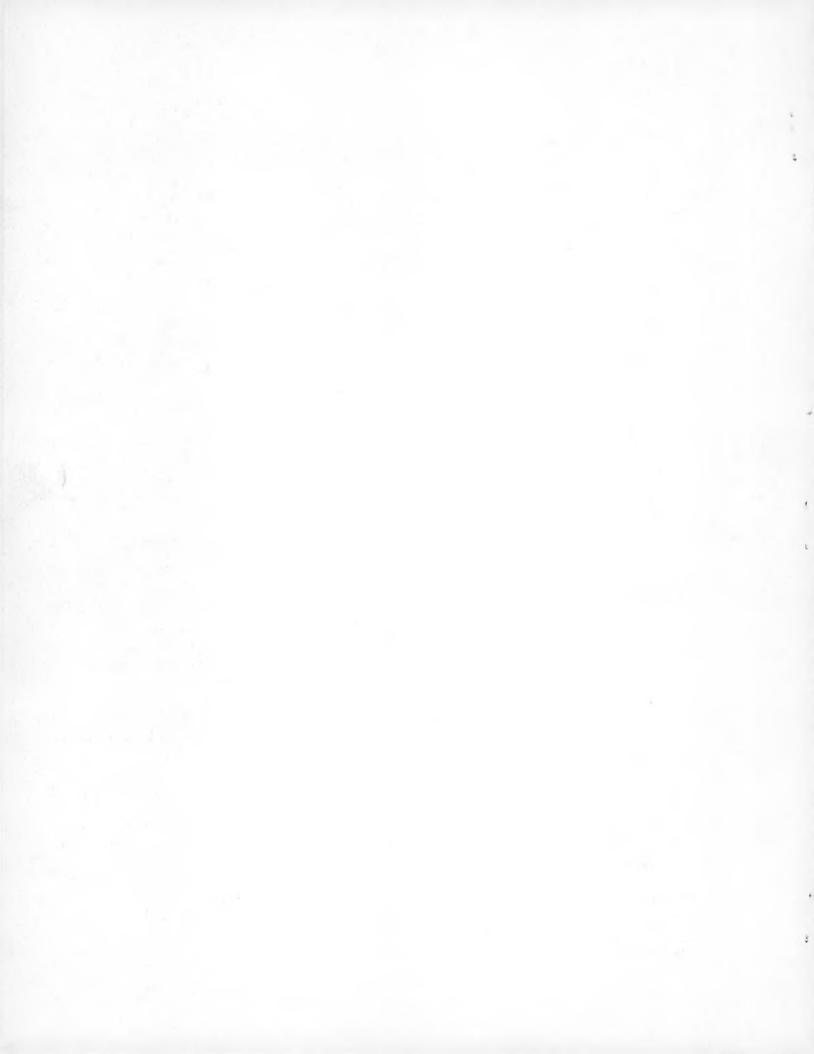
- TC 31/WG 3 Impact tests and tests on transparent parts. May 2-3, London, England. Mr. Bossert.
- TC 31/WG 6 Standardization of apparatus for use in zone 2 areas. June 6-7, London, England. Mr. Marwood substituted for Mr. Bossert.
- TC 31/WG 9 Installation of electrical apparatus in hazardous areas (other than mines). Three meetings were held in 1974. Paris March. Mr. Bossert substituted for Mr. Bellamy. Helsinki in June. Mr. Marwood substituted for Mr. Bellamy. Germany in November. Unattended.
- SC 31D/WG 1 Rules for pressurizing measuring instruments and for the installation of pressurized locations. June 3-5 London, England. Mr. Marwood.

I conclude by recommending continued active participation by the CSC on TC 31 in IEC work.

Respectfully submitted

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George K. Brown Chairman CNC/IEC/SC on TC 31



## APPENDIX A

CNC/IEC SUB-COMMITTEE ON TC31 - ELECTRICAL APPARATUS FOR EXPLOSIVE ATMOSPHERES

### MAILING INSTRUCTIONS:

TC31:WG 3 - J.A. BossertSC31A:WG 2 - J.A. BossertWG 6 - J.A. BossertSC31G:WG 1 - J.A. BossertWG 9 - K.L. BellamySC31H:WG 1 - J.A. BossertSC31D:WG 1 - L.F. Marwood

IEC Publications to be sent to Messrs: G.K. Brown, D. Beasley, K.L. Bellamy, C.W. Elliot, D.W. Ellis, L.F. Marwood, J.O. Shaughnessy, A.M. Weir, John MacLennan

#### ADDRESSES :

Mr. G.K. Brown, (Chairman), Federal Certification Officer, Canadian Explosive Atmospheres Laboratory, Fuels Research Centre, Department of Energy, Mines & Resources, 555 Booth Street, Ottawa, Ontario KIA OG1

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Mr. D. Beasley, Honeywell Controls Limited, 740 Ellesmere Road, SCARBOROUGH, Ontario

Mr. K.L. Bellamy, Chief Electrical Inspector, Ontario Hydro, 620 University Avenue, TORONTO 101, Ontario.

Mr. J.E. Duncan, Senior Engineer, Certification Div., Canadian Standards Association, 178 Rexdale Blvd., REXDALE, Ontario Mr. C.W. Elliot, P. Eng., COD Section, Motor Division, Westinghouse Canada Limited, P.O. Box 510, Hamilton, Ontario

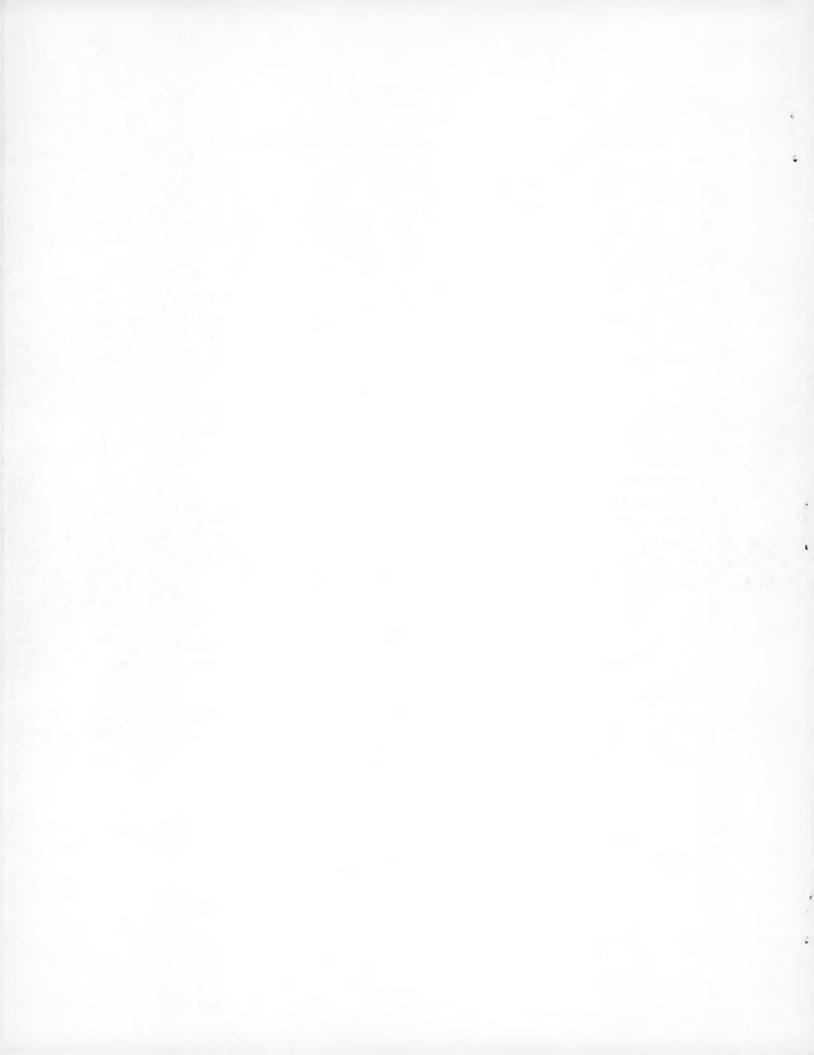
Mr. D.W. Ellis, Engineering Associate, Imperial Oil Enterprises Limited, Engineering Division, P.O. Box 3015, SARNIA, Ontario.

Mr. L.F. Marwood, P. Eng., Electrical Engineer, Polymer Corporation Limited, SARNIA, Ontario

Mr. J.O. Shaughnessy, Canadian General Electric Co., Ltd., 107 Park Street North, PETERBOROUGH, Ontario

Mr. B.D. Wheeler, Industrial Instrument Manufacturers Association, 67 Yonge Street, Suite 1401,

TORONTO 1, Ontario (Alternate to D. Beasley)



Mr. A.M. Weir, Square D Company of Canada', 120 Industry Street, TORONTO 337, Ontario (August 17, 1972)

Mr. John MacLennan, Joy Manufacturing Company, P.O. Box 100, GALT, Ontario (February 2, 1973) 1

