



CITY OF LONDON

FIRE DEPARTMENT



ANNUAL REPORT

**FOR
1966**



M. C. Mathers
Chief of Department

May 8/67

LONDON FIRE DEPARTMENT

ANNUAL REPORT

-1966-

I N D E X

	<u>Page</u>
City of London Statistics	1
Fire Chief M.C. Mathers Report	2
Senior Officers and Services Staff - London Fire Department	3
London Fire Department Establishment	4
Organization Chart	5
Budget and Financial Report 1966	6-7
Report of Alarms	8-10
Report of Fire Losses	11-13
Operations	14-15
Rescue Unit	16-17
Fire Department Apparatus	18
Fire Stations - Location, Apparatus, Manpower	19
Inventory - Breathing Apparatus - Fire Hose	20
Middlesex County Mutual Fire Aid System	21
Report of the Training Division	22-24
Report of the Communications Division	25-26
Report of the Master Mechanic	27-28
Report of the Fire Prevention Bureau	29-34

City of London Statistics

	<u>1960*</u>	<u>1966</u>
Population	102,703	191,794
Area total in acres	7,915	42,550
Area total in square miles	12.37	66.37
Approximate number living units	3,682	60,982
Average number of persons per dwelling	3.24	3.20
Total taxable assessment	\$195,196,235.	\$407,171,650.
Fire stations	5	8
Fire Department personnel	141	253
Hours of work	56	42
First line pumpers	5	8
Aerial ladder trucks	2	3
Street fire hydrants	1,405	2,492
Miles of water mains	408.7	486.7
Miles of streets - roads	171.58	449.3
Miles of fire alarm circuits	88	103
Fire alarm boxes	90	107
Fire Department calls	1,181	2,238
Fire loss	\$904,147.	\$704,754.†

† not final
London Fire Department

* Prior to Annexation
of January 1, 1961

LONDON FIRE DEPARTMENT

SENIOR OFFICERS

Chief M. C. Mathers

Deputy Chief T. W. Johnson

Your Worship Mayor F. Gordon Stronach
and Members of City Council,
London, Ontario

Gentlemen:

I submit for your information and consideration the annual report of the
London Fire Department for the year ending 31st December 1966.

Fire loss 1966	\$704,754.00
Fire loss per capita	\$3.67
Fire loss per \$1,000. assessment	\$5.78
Deaths from fire during 1966	4

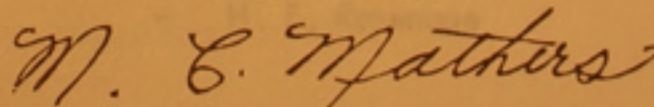
There were two major fires during 1966, the Young Canada Department
Store with a loss of \$266,000.00 and the Biltmore Bowling Alley with a loss of
\$100,750.00.

Details of departmental operations and statistics for 1966 are recorded on
the following pages.

I take this opportunity to express my thanks to the members of the Board of
Control, to City Council, to the Civic Department Heads and to the News Media
for co-operation and assistance received in 1966.

To all the Members of the City of London Fire Department my thanks and
appreciation for a job well done.

Yours very truly



(M.C. Mathers) Chief,
London Fire Department

LONDON FIRE DEPARTMENT

SENIOR OFFICERS

Chief M. C. Mathers

Deputy Chief T. H. Johnson

Platoon Chief "A" Platoon - H. E. Walters
Platoon Chief "B" Platoon - A. W. Brown
Platoon Chief "C" Platoon - N. R. Wight
Platoon Chief "D" Platoon - S. W. Smith

District Chief "A" Platoon - F. L. Miller
District Chief "B" Platoon - F. J. Tambling
District Chief "C" Platoon - G. W. Thompson
District Chief "D" Platoon - C. A. Foley

SERVICES

Chief Training Instructor - R. C. Morley
Master Mechanic - O. A. George
Fire Prevention Officer - J. A. Snedden
Electrician - Communications - J. Nakoneczny
Clerk - H. F. Rammage

(3)

PERSONNEL

Chief.....	1
Deputy Chief.....	1
Platoon Chief.....	4
District Chief.....	4
Chief Training Instructor.....	1
Master Mechanic.....	1
Fire Prevention Officer.....	1
Electrician.....	1
Clerk General.....	1
Training Instructor.....	1
Captains.....	52
Assistant Mechanic.....	1
Inspector.....	1
Assistant Inspectors.....	5
Assistant Electrician.....	2
Stores Clerk.....	1
Chauffeurs.....	56
Alarm Operators.....	4
Firefighters - 1st Class.....	72
Firefighters - 2nd Class.....	3
Firefighters - 3rd Class.....	1
Firefighters - 4th Class.....	36
Clerks - civilian.....	3
	<u>253</u>

Days lost through sickness 885 1/2

Average per man 3.98 days

Days lost through injuries 89

SEPARATIONS

Retirements	1
Death	1
Resignations	6

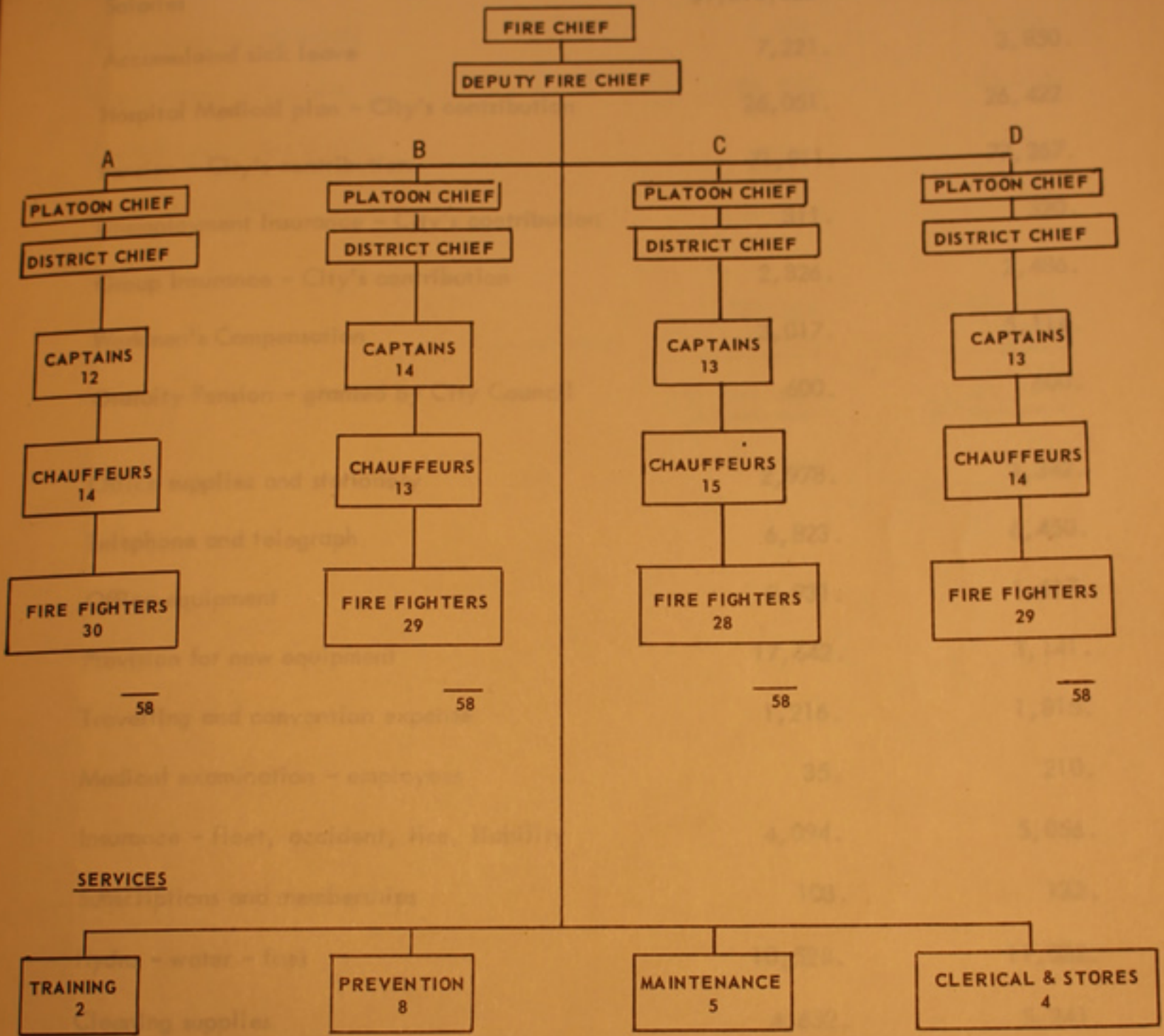
HIRINGS

Replacement	8
Additional	31*

* to implement the 42 hour week

ADDENDUM
1962

OPERATIONS



SERVICES

TOTAL: 253

BUDGET
1966

	<u>1965</u>	<u>1966</u>
Salaries	\$1,318,352.	\$1,406,975.
Accumulated sick leave	7,221.	3,850.
Hospital Medical plan - City's contribution	26,051.	26,422.
Pension - City's contribution	71,911.	77,267.
Unemployment Insurance - City's contribution	311.	320.
Group Insurance - City's contribution	2,826.	2,486.
Workmen's Compensation	3,017.	5,114.
Gratuity Pension - granted by City Council	600.	600.
Office supplies and stationery	2,978.	3,342.
Telephone and telegraph	6,823.	6,450.
Office equipment	2,931.	1,617.
Provision for new equipment	17,642.	3,141.
Travelling and convention expense	1,216.	1,815.
Medical examination - employees	35.	210.
Insurance - fleet, accident, fire, liability	4,094.	5,056.
Subscriptions and memberships	103.	132.
Hydro - water - fuel	10,528.	11,032.
Cleaning supplies	4,632.	5,241.
Station repairs and maintenance - buildings	9,118.	7,590.
Uniforms, clothing and equipment	18,958.	27,352.
Fire alarm system - radios, alarm circuits, electrical equipment	14,363.	10,747.
Apparatus maintenance - gasoline - oil - grease	8,400.	9,259.
Vehicle repairs and replacement	4,588.	4,352.

FINANCIAL REPORT

Fire hose and sundry equipment		8,160.	7,678.
Reserve fund for replacement of motor apparatus		22,300.	24,540.
Fire prevention materials		1,922.	1,736.
Water supply - hydrants		180,474.	185,598.
Capital Levy - fire station		-	-
Station furnishings		<u>-</u>	<u>1,853.</u>
1966 EXPENDITURE	1,523,244.	318,303	1,841,775.
		1,749,554.	1,841,775.
		<u>-4,809.</u>	<u>-4,782.</u>
BALANCE:	14,816. Cr.	<u>\$1,744,745.</u>	<u>\$1,836,993.</u>

(6)

DESCRIPTION:

	<u>SALARIES ETC</u>	<u>MAINTENANCE & SUPPLIES</u>	<u>TOTAL</u>
Per Capita Costs	\$ 7.24	\$ 1.66	\$ 8.90

COST TO CITIZENS for Fire Protection - 1966

\$2.21 per \$1,000.00 investment
\$8.69 per Capita

FINANCIAL REPORT
1966

<u>Description</u>	<u>Salaries Pension, Etc.</u>	<u>Maintenance & Supplies</u>	<u>TOTAL</u>
1966 APPROPRIATION	1,538,060.	325,200.	1,863,260. -3,000. est. rev. <u>1,860,260.</u>
1966 EXPENDITURE	1,523,244.	318,531.	1,841,775. 4,782. actual rev. <u>1,836,993.</u>
BALANCE:	14,816. Cr.	6,669. Cr.	<u>21,485. Cr.</u> 1,782. Revenue <u>\$23,267. Cr.</u>

DESCRIPTION:

	<u>SALARIES ETC.</u>	<u>MAINTENANCE & SUPPLIES</u>	<u>TOTAL</u>
Per Capita Cost:	\$ 7.94	\$ 1.66	\$9.60

COST TO CITIZENS for Fire Protection - 1966

\$2.21 per \$1,000.00 assessment
\$9.60 per Capita

TOTAL ALARMS
1966

Actual Fires.....	338
Emergency Calls.....	383
Chimney and Furnaces.....	45
Automobiles.....	204
Grass Fires.....	141
Miscellaneous Calls.....	769
False Alarms.....	240
Electrical.....	<u>118</u>
Total	<u>2238</u>
Total Alarms 1965..... 1891	Increase 347

- Classifications -

Fire	- loss to property and contents by fire
Emergency	- rescue operations, boat crew, resuscitator, accidents
Miscellaneous	- dump fires, smoke, steam, odour, reflections, etc.
False Alarms	- good intent, mechanical, malicious.

METHODS OF ALARM TRANSMISSION

Telephone Alarms.....	2014
Street Alarm Boxes.....	107
Verbal Alarms.....	53
Dominion Protective Alarms.....	29
Radio Alarms.....	<u>35</u>
Total	<u>2238</u>

FALSE ALARMS - 1966

Good Intent.....	65
Mechanical.....	69
Malicious.....	<u>106</u>
Total	<u><u>240</u></u>

False Alarms - By Classification

<u>MONTH</u>	<u>GOOD INTENT</u>			<u>MECHANICAL</u>			<u>MALICIOUS</u>	
	<u>Telephone</u>	<u>Alarm Box</u>	<u>Verbal</u>	<u>Alarm Box</u>	<u>Telephone</u>	<u>Dominion Protective</u>	<u>Telephone</u>	<u>Alarm Box</u>
JAN	7	3	1	3	1	1	2	5
FEB	5	-	1	3	-	1	9	2
MAR	2	-	-	2	3	3	4	2
APR	9	1	-	5	-	1	2	5
MAY	2	-	-	2	3	2	8	3
JUN	4	-	-	1	-	2	1	4
JUL	3	-	-	4	-	4	6	4
AUG	4	-	-	3	1	1	7	9
SEP	7	-	-	4	1	2	3	3
OCT	6	-	-	1	1	3	3	9
NOV	4	1	-	2	2	1	4	6
DEC	5	-	-	5	1	-	3	2
Totals:	<u>58</u>	<u>5</u>	<u>2</u>	<u>35</u>	<u>13</u>	<u>21</u>	<u>52</u>	<u>54</u>

Total: 240

ALARMS AND FIRES BY OCCUPANCY

<u>CODE</u>		<u>ALARMS</u>	<u>ACTUAL</u>
A	Public Buildings	76	9
B	Mercantile (Offices, stores, restaurants, warehouses)	124	26
C	Manufacturing (factories, food products, textiles)	63	17
D	Dwellings (1 and 2 family)	400	171
D-1	Hotels and motels	20	5
D-2	Rooming and boarding houses	-	-
D-3	Apartment dwellings	89	30
D-4	Trailer courts	2	2
D-5	Store and dwelling combined	-	-
E	Miscellaneous (lumber yards, private garages, miscellaneous structures)	89	65
F	Unclassified	27	13
G	Other alarms (false, emergency, truck and automobile, grass and brush)	1349	—
	TOTAL	2238	338

FIRE LOSSES - 1966

Loss on buildings.....	\$390,247.78
Loss on contents.....	<u>314,506.24</u>
Total	704,754.02 #

not final

1965 fire loss \$565,722.67

1966 Increase \$139,031.35

TEN YEAR FIRE LOSS RECORD

<u>Year</u>	<u>Loss on Buildings</u>	<u>Value of Property Involved</u>	<u>Loss on Contents</u>	<u>Value of Contents Involved</u>
1957	121,401.40	7,102,730.00	115,807.66	2,525,571.00
1958	217,779.55	4,098,800.00	415,066.11	4,235,653.36
1959	230,936.00	7,884,900.00	550,502.50	2,264,669.97
1960	560,381.16	3,267,828.00	343,766.26	3,334,052.00
1961	282,287.20	19,938,152.45	186,066.98	2,602,403.50
1962	330,297.85	3,666,800.00	153,421.49	1,061,978.00
1963	718,022.50	8,030,629.00	618,603.04	2,028,569.00
1964	132,497.22	24,280,468.78	139,567.67	9,233,965.90
1965	232,242.65	11,326,100.00	333,480.02	4,728,700.00
1966	390,247.78	24,826,774.00	314,506.24	18,671,830.00
	Five year average loss on Buildings		\$360,661.60	
	Five year average loss on Contents		\$311,915.69	

1966 FIRE LOSS BY MONTH

BUILDINGS

CONTENTS

(12)

	<u>Value</u>	<u>Insurance</u>	<u>Loss</u>	<u>Value</u>	<u>Insurance</u>	<u>Loss</u>
JAN	3,233,500.00	3,064,500.00	6,700.00	227,500.00	163,500.00	4,077.30
FEB	3,676,000.00	3,061,000.00	6,143.49	5,795,500.00	5,556,000.00	13,312.80
MAR	1,306,783.00	607,850.00	14,351.61	41,950.00	31,800.00	4,465.00
APR	4,811,000.00	4,769,500.00	15,450.00	3,957,000.00	3,776,300.00	12,166.85
MAY	806,855.00	779,501.00	36,499.00	483,900.00	475,800.00	9,585.00
JUN	62,500.00	36,500.00	18,630.00	21,775.00	11,200.00	11,305.57
JUL	93,500.00	60,500.00	1,870.00	28,500.00	21,500.00	3,781.26
AUG	142,000.00	28,000.00	11,250.00	37,600.00	10,000.00	3,500.00
SEP	5,629,500.00	3,244,400.00	14,790.68	1,635,400.00	2,161,360.00	1,493.63
OCT	3,035,636.00	3,107,750.00	25,441.00	6,109,980.00	48,100.00	28,855.83
NOV	253,000.00	181,900.00	96,500.00	243,600.00	211,000.00	193,995.00
DEC	6,340,250.00	5,989,750.00	142,618.00	191,525.00	106,625.00	27,968.00
	29,390,524.00	24,931,151.00	390,247.78	18,774,230.00	12,573,185.00	314,506.24

TOTAL LOSS: Buildings \$ 390,247.78
 Contents \$ 314,506.24

not final

\$ 704,754.02#

LONDON FIRE DEPARTMENT

Major Fires - 1966

		<u>Loss on Building</u>	<u>Loss on Contents</u>	<u>Total Loss</u>
7 Feb 66	Superior Restaurant 668 Dundas Street	5,643.49	6,122.80	11,766.29
26 Apr 66	Dwelling 925 Richmond Street	10,000.00	10,000.00	20,000.00
13 May 66	Apartment Building 297 Grey Street	10,000.00	5,000.00	15,000.00
8 Jun 66	Dwelling and Workshop 290 Egerton Street	9,080.00	6,830.57	15,910.57
5 Aug 66	Urlin Feed and Grain 656 Central Ave	10,000.00	3,000.00	13,000.00
18 Sep 66	Dwelling under construction 18 Cowan Ave.	10,000.00	-	10,000.00
5 Oct 66	McCormick's Ltd. 1156 Dundas Street	-	18,640.83	18,640.83
30 Oct 66	Barn (used as storage shed) Southdale Rd., R.R.#1, London	8,136.00	2,885.00	11,021.00
26 Nov 66	Young Canada 351 Richmond Street	76,000.00	190,000.00	266,000.00
30 Nov 66	Vacant dwelling 548 Talbot Street	15,000.00	-	15,000.00
2 Dec 66	French Dry Cleaners 110 Wellington Rd.	20,000.00	15,000.00	35,000.00
23 Dec 66	Biltmore Bowling Alley 798 Dundas Street	100,000.00	750.00	100,750.00

(13)

THE YEAR RECORD OF OPERATIONS

OPERATIONS

Year	Model	Feet	Mileage	Man Hours	Feet of Ladders Used
<u>HOSE LAID 1966:</u>					
1966	One Inch	275	4,298.0	117,375	2,000
1967	One and One Half Inch	275	4,298.0	- 91,315 ft	4,500
1968	One and One Half Inch	275	4,298.0	- 48,900 ft	2,600
1969	Two and One Half Inch	275	4,298.0	- 82,800 ft	1,500
					Total 223,015 ft

<u>LADDERS USED 1966:</u>		6,754 ft
1966	1,400	269
1967	2,000	210
1968	1,200	205
1969	2,154	270

TIME WORKED

	<u>Company Hours (combined)</u>	<u>Man Hours (breakdown)</u>
JAN	87 hrs 56 mins	809 hrs 14 mins
FEB	60 hrs 45 mins	533 hrs 50 mins
MAR	92 hrs 41 mins	767 hrs 13 mins
APR	101 hrs 56 mins	737 hrs 37 mins
MAY	106 hrs 5 mins	868 hrs 37 mins
JUN	92 hrs 34 mins	722 hrs 14 mins
JUL	115 hrs 13 mins	975 hrs 18 mins
AUG	138 hrs 52 mins	660 hrs 44 mins
SEP	91 hrs 36 mins	643 hrs 37 mins
OCT	119 hrs 58 mins	1027 hrs 46 mins
NOV	97 hrs 58 mins	1283 hrs 55 mins
DEC	<u>71 hrs 40 mins</u>	<u>941 hrs 45 mins</u>
TOTAL	1177 hrs 14 mins	9971 hrs 50 mins

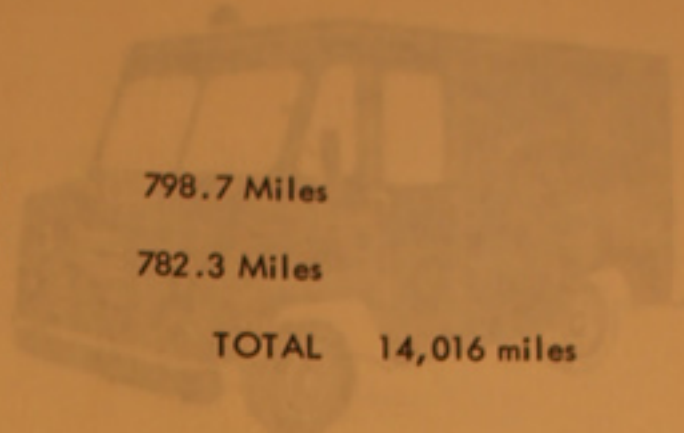
TEN YEAR RECORD OF OPERATIONS

<u>Year</u>	<u>Alarms</u>	<u>Fires</u>	<u>Mileage</u>	<u>Feet of Hose Laid</u>	<u>Feet of Ladders Raised</u>
1957	968	337	4,398.0	117,593	2,885
1958	1,117	273	4,802.0	158,935	6,551
1959	1,101	283	4,908.0	176,715	5,663
1960	1,181	267	5,214.0	156,680	6,568
1961	1,375	293	7,610.6	162,340	7,588
1962	1,613	269	8,644.8	211,915	6,017
1963	2,091	215	11,769.7	288,325	7,019
1964	1,735	266	9,516.5	186,850	3,900
1965	1,891	283	11,822.5	197,280	4,868
1966	2,238	338	14,016.0	223,015	6,754

MILEAGE TRAVELLED

Unit No 8	Rescue	4092.0 Miles
Unit No 9	Tanker	106.8 Miles
Unit No 10	Pick-up	30.4 Miles
Unit No 11	Pump	747.1 Miles
Unit No 12	Pump	1086.9 Miles
Unit No 13	Pump	1431.6 Miles
Unit No 14	Pump	1016.2 Miles
Unit No 15	Pump	1169.2 Miles
Unit No 16	Pump	374.4 Miles
Unit No 17	Pump	967.2 Miles
Unit No 18	Pump	702.6 Miles
Unit No 20	Spare Pump	15.7 Miles
Unit No 21	Aerial	694.6 Miles

Unit No 22	Aerial	798.7 Miles
Unit No 28	Aerial	782.3 Miles
		TOTAL 14,016 miles



RESCUE UNIT

(15)

Emergency calls.....	282
Assistance calls.....	565
	<u>847</u>
Total Company hours worked.....	464 hours, 59 mins.
Total man hours worked.....	1334 hours, 57 mins.
Rescue Unit mileage travelled.....	4092 miles

DEATHS

From Fire.....	4
Drownings.....	2
Heart failure.....	12
Heartache.....	1
Suffocation.....	3
Suspected suicide.....	2
Strangulation.....	1
Unknown causes.....	4
	<u>39</u>

INJURIES FROM FIRE

To Citizens.....	11
Firefighters.....	90

(16)

London Fire Department

RESCUE UNIT



Emergency calls.....	383
Assistance calls.....	568
	<u>951</u>
Total Company hours worked.....	444 hours, 59 mins
Total man hours worked.....	1334 hours, 57 mins.
Rescue Unit mileage travelled.....	4092 miles

DEATHS

From Fire.....	4
Drownings.....	7
Heart seizure.....	17
Hemorrhage.....	1
Suffocation.....	3
Suspected suicide.....	2
Strangulation.....	1
Unknown causes.....	<u>4</u>
	39

INJURIES FROM FIRE

To Citizens.....	11
Firefighters.....	30

TOTAL CALLS 951

LONDON FIRE DEPARTMENT

RESCUE UNIT ACTIVITIES

1966

Emergency Calls

Accidents:	
Automobile	31
Other	39
Appendix	2
Asthma	4
Blood Pressure	2
Breathing	17
Burns or scalds	14
Choking	23
Convulsions	13
Cramps	3
Diabetis	7
Drowning	6
Epileptic seizure	14
Fainting	25
Fever	4
Gasses - natural	1
Heart seizure	105
Hemorrhage	5
Malignancy	2
Pregnancy	2
Poisoning	10
Shock:	
Electrical	2
Other	6
Smoke	5
Strangulation	2
Stroke	8
Suffocation	3
Suicide attempts	4
Water Rescue	11
Symptoms not diagnosed	6
Miscellaneous rescue	<u>7</u>

Total 383

Assistance Calls

Chimney defects	2
Electrical wiring/motors	17
False Alarms:	
Good intent	22
Mechanical	31
Malicious	52
Fire in or on cooking stoves	23
Flood	1
Fumes:	
Natural gas	6
Other	14
Heating units defective	20
Hydro wires/transformers	1
Liaison visits	1
Locked in or out	11
Plumbing defects	13
Pumping cellars and/or clean-up	7
Smoke ejector and/or deodorizer	110
Spillage - gas, oil, etc.	6
Standby to assist	84
Return to station en-route	<u>147</u>

Total 568

TOTAL CALLS: 951

FIRE DEPARTMENT APPARATUS

<u>STN.</u>	<u>MAKE</u>	<u>YEAR</u>	<u>UNIT</u>	<u>TYPE</u>	<u>CLASS</u>	<u>CAPACITY</u>	<u>WATER TANK</u>	<u>LADDERS</u>
1	Seagrave	1965	11	Pumper	A	1050	300	83'
2	LaFrance	1953	12	Pumper	A	840	300	74'
3	LaFrance	1959	13	Pumper	A	840	300	83'
4	LaFrance	1957	14	Pumper	A	840	300	85'
5	LaFrance	1959	15	Pumper	A	840	300	83'
6	Seagrave	1954	16	Pumper	A	500	476	85'
7	LaFrance	1961	17	Pumper	A	840	300	85'
8	LaFrance	1961	18	Pumper	A	840	300	85'
7	Seagrave	1946	20	Pumper*	B	420	200	71'
				*Spare pumper				<u>Hand</u>
1	LaFrance	1961	21	Aerial	100'	-	-	277'
2	Seagrave	1951	22	Aerial	75'	-	-	256'
8	LaFrance	1956	28	Aerial	100'	-	-	215'
<u>Rescue</u>								
1	Chevrolet	1962	8	Rescue	-	-	-	-
<u>Tanker</u>								
1	Seagrave	1965	9	Tanker	-	200	1200	36'
<u>Cars</u>								
1	Buick	1966	1	Sedan	Chief			
1	Chevrolet	1965	2	Sedan	Deputy Chief			
1	Dodge	1963	3	S/Wagon	Platoon Chief			
2	Chevrolet	1963	4	S/Wagon	District Chief			
2	Shevrolet	1965	7	S/Wagon	Training Division			
<u>Maintenance</u>								
Shop	Thames	1960	6	Panel Truck				Mechanical Division
Shop	Chevrolet	1959	5	1 ton pickup				Communications Div.

NO.	FIRE HALL LOCATION	SECTION	NO. APP. PER 1000 GALL.	APPARATUS	
				IN SERVICE	IN RESERVE AND ON HAND
1	International 1964 WATERLOO ST. 1964	10	1/2 ton pickup	General Purpose	
<u>Boat</u>					
1	Munro Fibre glass rescue boat on trailer 15 HP Mercury Motor - 5 HP Johnson spare.				
2	180 FLORENCE ST. BUILT 1967	PUMPER (18)	4	200 GPM PUMPER	TRUCKED BY FIRE HALL
			1	75 FT. AERIAL	
			2	75 GPM PUMPER IN WAGON	
3	80 WEDGE ST. BUILT 1966	PUMPER	4	200 GPM PUMPER	
4	817 DELAWARE ST. BUILT 1967	PUMPER	4	200 GPM PUMPER	
5	114 ADELAIDE ST. BUILT 1966	PUMPER	4	200 GPM PUMPER	
6	1873 CONNORSON'S ROAD (BY 5-10) BUILT 1961 & 1962	PUMPER	4	200 GPM PUMPER	
7	1192 HURON ST. BUILT 1962	PUMPER	4	200 GPM PUMPER	400 GPM PUMPER
8	1245 WESTERN ROAD BUILT 1964	PUMPER AERIAL	4 4	200 GPM PUMPER 85 FT. AERIAL	
		TOTALS	35	PUMPS - 8 AERIALS - 2	PUMPS - 1 STAFF
200	180 FLORENCE ST. BUILT 1966	MAINTENANCE	1 2		Mechanics Truck COMMUNICATIONS DIVISION LINE TRUCK 20 FT. SERIAL 100000

FIRE HALLS		SECTION	NO. MEN ON APP. FOR EACH GROUP	APPARATUS	
NO.	LOCATION			IN SERVICE	IN RESERVE and SHOP
1 H.Q.	340 WATERLOO ST. (WATERLOO AT YORK) BUILT 1956	PUMPER AERIAL RESCUE	5 5 3 6	1050 GPM PUMPER 100 FT. AERIAL RESCUE UNIT 1200 GAL. TANKER 3 CHIEF OFFICER AUTOMOBILES	½ TON PICKUP
2	1101 FLORENCE ST. BUILT 1953	PUMPER AERIAL	4 5 2	840 GPM PUMPER 75 FT. AERIAL 1 CHIEF OFFICER STN. WAGON	TRAINING DIV. STN. WAGON
3	160 BRUCE ST. BUILT 1880	PUMPER	4	840 GPM PUMPER	
4	807 COLBORNE ST. BUILT 1909	PUMPER	4	840 GPM PUMPER	
5	155 ADELAIDE ST. BUILT 1909	PUMPER	4	840 GPM PUMPER	
6	1293 COMMISSIONER'S ROAD (BYRON) BUILT 1941 & 1953	PUMPER	4	500 GPM PUMPER	
7	1192 HIGBURY AVE. BUILT 1962	PUMPER	4	840 GPM PUMPER	420 GPM PUMPER
8	1565 WESTERN ROAD BUILT 1964	PUMPER AERIAL	4 4	840 GPM PUMPER 100 FT. AERIAL	
		TOTALS	58	PUMPERS - 8 AERIALS - 3	PUMPER - 1 SPARE
SHOP	1102 FLORENCE ST. BUILT 1956	MAINTEN- ANCE	2 3		MECHANICS TRUCK COMMUNICATIONS DIVISION LINE TRUCK (32 FT. AERIAL LADDER)

FIRE EQUIPMENT INVENTORY

BREATHING APPARATUS

The department owns the following breathing equipment:

Self contained air demand masks.....	44
Self contained air demand masks.....	
Cub type	5
Chemox oxygen breathing apparatus.....	4
All service (cannister) masks.....	75
Fresh air mask (reserve equipment).....	1
Reserve supply of 40 cu. ft. air bottles.....	75
Reserve supply of 22 cu. ft. air bottles.....	13

For refilling our air bottles we have

- 1 Model KA-14-E-3 Bauer Air Compressor (1962) at No. 1 Stn.
- 1 cascade system of 4 x 300 cu. ft. storage bottles at No. 1 Stn.
- 1 Cornelius Model 130-R-1500 Air Compressor (1958) at No. 2 Stn.

We also fill air bottles for the City Engineer's Department and for other local Fire Departments at a nominal charge of \$2.00 per fill.

<u>FIRE HOSE</u>	<u>2 1/2" Hose</u>	<u>1 1/2" Hose</u>
No. 1 Station	120 lengths	51 lengths
No. 2 Station	60 lengths	25 lengths
No. 3 Station	70 lengths	25 lengths
No. 4 Station	60 lengths	25 lengths
No. 5 Station	60 lengths	25 lengths
No. 6 Station	74 lengths	36 lengths
No. 7 Station	80 lengths	25 lengths
No. 8 Station	80 lengths	25 lengths
Training Tower	5 lengths	3 lengths
Reserve	<u>3 lengths</u>	<u>3 lengths</u>
	612 lengths	243 lengths

Recap: 2 1/2" hose - 30,600 feet
 1 1/2" hose - 12,150 feet

MIDDLESEX COUNTY MUTUAL FIRE AID SYSTEM

Fire Departments.....	15	Full time firefighters.....	250
Pumpers, self propelled.....	27	Volunteer firefighters.....	233
Water tank trucks.....	14	Breathing apparatus.....	166
2 1/2" fire hose.....	48,900'	Radio Call sign.....	XJI-58
1 1/2" fire hose.....	24,000'	Radio frequency.....	154.37 Mc/s.
Portable pumps.....	17	F. M. O. frequency.....	154.07 Mc/s.

Departments on County Mutual Fire Aid Radio Network

<u>Department</u>	<u>No.</u>	<u>Located at</u>
West Nissouri Township Fire Dept.		Thorndale, Ont.
London Township Fire Area #2 Dept.		Ilderton, Ont.
Lambeth Area Fire Department		Lambeth, Ont.
Caradoc Township Fire Department		Mount Brydges, Ont. (XJH-340)

Mutual Aid Meeting 1966

34th	25 Jan 66	London, Ont.	"Tank Vehicle Firefighting"
35th	17 May 66	Thorndale, Ont.	"What are you doing for fire safety in your Community?"
36th	20 Sep 66	Kerwood, Ont.	"Breathing Apparatus and its use"

Mutual Aid Calls 1966

Major mutual fire aid call for 1966

10 Aug 1966 - Glendale Mobile Homes Ltd., Strathroy, Ont.

Loss \$350,000.00

Departments responding: Strathroy, Adelaide-Metcalfe
Caradoc, Melbourne.

Outside Tours for Department Members

(21)

Department members were taken on conducted tours of various locations to acquaint them with possible hazards.

TRAINING DIVISION

The following is a report of the training activities of the Training Division for the year 1966.

<u>Type of Training</u>	<u>No. Men</u>	<u>No. Hours</u>	<u>Total Trg. Hours</u>
District Chief Qualifications	8	-	40 hrs
Driver Training	10	-	10 hrs
Probation Training	1	25 hrs	
	1	25 hrs	
	3	25 hrs	
	1	25 hrs	
	31	25 hrs*	125 hrs

*pre-entry training

<u>Pre-planning Training Exercises</u>	<u>No. Exercises</u>	<u>Total</u>
Van Raalt Company, Florence St.	2	
London Business Men's Club, Queens Ave	2	
Belton-Quinn Lumber Co., Rectory St.	2	
Sayvette Shopping Plaza, Wellington Road	2	
Canadian Army Ordinance Depot, Highbury Ave.	2	
Minnesota Mining and Mfg., Oxford St.	2	12

Training - Burn Outs

Eleven old buildings were burned, at owners request, to obtain knowledge of fire behaviour and experience in practical firefighting	11	11
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Outside Lectures and Training by Trg. Div.

Basic Rescue Course, conducted for City Engineer's Dept., under auspices of Emergency Measures Branch		35 hrs.
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Canadian Westinghouse Company - Breathing apparatus

Canadian Pacific Railways - Safety Programme

Middlesex County Mutual Aid Assn. - Tank Vehicle Firefighting
- Breathing Apparatus

Outside Tours for Department Members

Department members were taken on conducted tours of various locations to acquaint them with possible hazards.

No. 27 Central Ordnance Depot
Westminster Hospital (Fire Prevention Week)
Kayser-Roth Limited
London Free Press Printing Company
Minnesota Mining and Manufacturing Co.,
Byron Sanatorium
John Labatt Limited

Training Division cont'd:

Demonstrations and Lectures

The following demonstrations were put on for department members.

Demonstration of safety features in design of Tank Trucks carrying flammable liquids by Mr. Jim Lamond of the British Petroleum Company.

Demonstration and lecture by Chief R. Askew, Department of Transport, in connection with standing operational procedures and use of foam equipment under our reciprocal agreement with the D. O. T.

Examinations

The following promotional examinations were conducted.

<u>Classification</u>	<u>No. Examined</u>
Probationary	1
4th to 3rd Class Firefighter	1
3rd to 2nd Class Firefighter	1
2nd to 1st Class Firefighter	7

Courses

Personnel were sent to the Ontario Fire College to attend the following courses.

<u>Course</u>	<u>No. Men</u>
Company Officers Course Part I	2
Company Officers Course, Part II	1
Pump Operators Course	3
Fire Dept. Instructor's, Part I	1
Fire Dept. Instructor's, Part II	1
Administration Course for Senior Officers, Part II	1
<u>Special</u>	
Rescue Training for Ambulance Service Personnel, Toronto, Ont.	4

Training Division cont'd.

Red Cross

Firefighter Paul McPherson instructed over 1,200 persons on heart massage and resuscitation in classes conducted at the following places.

- Red Cross Instructor's School
- Nerman Collegiate, Windsor, Ont.
- Red Cross Requalification Clinic
- Medical Health Unit, Leamington, Ont.
- South Collegiate Institute
- London Teacher's College
- Boy Scout Troop
- Red Cross Instructor's School, Ontario Agricultural College, Guelph, Ont.
- Red Cross Instructor's School, University of Western Ontario

Comments

The inauguration of the four platoon system has required some changes in the training schedule. Additional changes may be required after we have had time to properly assess the program.

We have excellent training equipment but inadequate training facilities and lack a proper training area which creates some problems. Until the facilities can be improved we must do the best we can with what we have. Company Officers can assist greatly by planning their training periods so that they are interesting and informative.

In addition to training duties the two members of the Training Division attended over 65 fire alarms which included one major fire.

In 1966 we received good co-operation from members of the department and it has been a most successful year from a training standpoint.

In closing the Training Division would like to thank all the Officers and Men of the department and would appreciate continued efforts on our behalf.

COMMUNICATIONS

Gamewell Fire Alarm Box System:

Miles of fire alarm circuit, overhead and underground 103
Total number of fire alarm boxes 108, consisting of

66 street alarm boxes

17 master boxes in public institutions

25 private connections of master boxes

The three private connections added in 1966 were

London Life Insurance Company
Althouse College, University of Western Ontario
London Free Press Printing Company

Radio Communications:

The London Fire Department radio system is comprised of

- 1 - base station, 2 frequency, (simultaneous monitoring of both frequencies)
- 1 - base station, 1 frequency, 30 watt, standby
- 1 - unitone 32 button quick call tone generator
- 3 - mobile FM 2-way radios, 1 frequency
- 18 - mobile FM 2-way radops, 2 frequency (11 Motrac and 7 conversions)
- 8 - monitor receiver radios (Stns. 2-3-4-5-6-7-8-FPO)
- 4 - portables, 1 frequency (Chief - Deputy - Platoon - District)
- 2 - handi talkies, 1 frequency, (F.P.O.)
- 8 - radio P.A. alarm systems, one at each station.
- 1 - micro talkie portable (for 100' Aerial ladder)

There are also four Middlesex County Fire Departments operating on our frequency of 154.37 MC/s.

MAINTENANCE MECHANIC'S REPORT - 1966

Communications - general:

Due to Dundas Street reconstruction it was necessary to rearrange a portion of our underground conduit. When completed each major intersection of downtown Dundas Street will have a lighted street fire alarm box. When the fire alarm box is pulled it will transmit a distinctive code or location signal simultaneously to all our Fire Stations where it will be sounded on alarm gongs and punched out on recording equipment. In addition a signal light will begin flashing above the box indicating to anyone in the vicinity that some one has turned in a fire alarm.

Installation of the auxiliary stand-by generator at No. 5 Station was completed and an auxiliary generator was installed at No. 4 Station. All our Stations are now equipped with stand-by power to run auxiliary lighting, radio equipment and alarm systems.

Master fire alarm boxes in hospitals and institutions were tested monthly by the Communications Division and the Fire Prevention Bureau. Other installations were tested periodically.

A mock up of a master fire alarm box installation was constructed by the Communications division for training purposes. This will greatly assist in familiarizing department members with the various types of alarm systems and how to reset the system when it has been activated.

All street fire alarm boxes will be refurbished under a programme instituted during 1966. Every box will be removed, sand blasted, overhauled, repainted and rehung.

The P. A. alarm system at No. 2 Fire Hall was revised and a new fire alarm tape recorder and register installed.

Pole changes by the Public Utilities Commission and the Bell Telephone Company together with the current programme of street widening and rebuilding again threw a heavy work load on the line department to keep the alarm circuits in working order. The new line truck to be delivered in 1967 will be a great help in alarm circuit maintenance.

Innumerable alterations and repairs to electrical equipment and appliances was carried out during the year.

MASTER MECHANIC'S REPORT - 1966

<u>Year</u>	<u>Make</u>	<u>Apparatus</u>	<u>Unit</u>	<u>Mileage</u>	<u>General Repairs</u>
1965	King - Seagrave	Pumper	11	3,020	Repairs to booster hose reel. General Maintenance.
1953	LaFrance	Pumper	12	28,600	Motor was completely rebuilt. New clutch, Differential o'hailed. New tail pipes and muffler. Replaced pump seals.
1959	LaFrance	Pumper	13	27,438	New fuel pump. O'hailed hydro-vac. Complete new clutch. O'hailed carburetor. All six tires and tubes replaced.
1957	LaFrance	Pumper	14	22,353	Front tires and tubes replaced. Replaced rear transmission bearing. Mounted deluge gun on truck.
1959	LaFrance	Pumper	15	23,396	Installed new 300 gal. water tank. O'hailed engine governor. New wind- shield wiper motor. New tail pipe.
1954	King - Seagrave	Pumper	16	7,544	Revamped rear compartments to hold generator. New beacon ray light. New tail pipe and muffler.
1961	LaFrance	Pumper	17	13,370	New battery. New clutch plates, pilot bearing, throw out bearing. New exhaust pipe.
1946	Bickle- Seagrave	Pumper	20	25,850	General maintenance.
1961	LaFrance	Aerial	21	8,648	Radiator repaired. Body repairs. Adjusted clutch and emergency brake.
1951	Bickle Seagrave	Aerial	22	39,479	New set spark plugs. New exhaust pipe. Rear wheel seal. Two new batteries.
1956	LaFrance	Aerial	28	18,748	Left rear spring. Starter bendix spring. Replaced "O" rings on turntable. Adjusted clutch. Replaced distributor rotor. O'hailed engine governor.
1962	Chevrolet	Rescue	8	19,263	Replaced brake shoes. New clutch. New transmission. New throw out bearings. New fuel pump.
1965	King	Tanker	9	560	Repaired tank valve. Installed ladder brackets. Changed couplings on booster hose. Made two adapters.

Master Mechanic's Report - 1966

<u>Year</u>	<u>Make</u>	<u>Apparatus</u>	<u>Unit</u>	<u>Mileage</u>	<u>General Repairs</u>
1966	Buick	Chief	1	7,236	General maintenance.
1965	Chevrolet	Deputy	2	10,212	Installed block heater. Installed extinguisher, air bottle, hand lamp.
1963	Dodge	Platoon	3	34,720	New brakes. Turned drums. Replaced tail pipe, muffler, points, condensor, plugs, universal joint. Two new front tires.
1963	Chevrolet	District	4	35,482	Replaced flywheel bolts. Replaced radiator hose, tail pipe, tail gate switch, plugs, points, condensor. New brakes, turned drums. Front end alignment. Two new front tires. Replaced rear wheel bearings.
1965	Chevrolet	Training	7	9,773	General maintenance.
1960	Thames	Mechanic	6	16,600	General maintenance.
1959	Chevrolet	Electrician	5	-	New clutch
1964	International	Pickup	10	9,390	New tail gate. New battery. General maintenance.

General:

Minor repairs reported on weekly reports amounting to 112 were attended to on the week reported.

Repaired 152 lengths of fire hose, 62 lengths belonging to our department, 90 lengths to other departments.

Repairs to station equipment and equipment made in shop during 1966 is too numerous to list.

Members of this division were called out 16 times for emergencies for a total of 30 1/2 hours overtime.

FIRE PREVENTION BUREAU

J. A. SNEDDON

Fire Prevention Officer

K. S. NEWMAN

Inspector

A.W. Brighton
Assistant Inspector
G.J. Goodhand
Assistant Inspector
R.E. Preszcator
Assistant Inspector

E. Dalgity
Assistant Inspector
J.P. McCarthy
Assistant Inspector
A.R. Woodruff
Civilian Clerk

The time has come to report on the activities of the Fire Prevention Bureau for the year 1966. The number of calls our bureau received for help and information reveals a closer contact with the general public. The year saw a number of changes in the fire safety by-laws, which in our opinion were for the betterment of the general public, although we find that people figure changes are a hardship imposed upon them. The reason for this feeling, we believe, is that the general public is not well enough informed why the changes had been made. This department tried in the past year to bring these changes to light, and to inform the public. In so doing, we feel that some lives may have been saved from death by fire.

Our City is still growing and our work in fire safety and fire prevention is expanding too, as the following information and graphs will show. During 1965, 4,049 fire safety inspections were carried out. In 1966, 4,738 inspections were made.

SUMMARY OF FIRE PREVENTION ACTIVITIES

Fire Prevention Bureau Assignments.

The assignments to the members of the Fire Prevention Bureau change each year due to the addition of new buildings and the change in occupancy of existing properties. They must carry out fire safety inspections in all properties in the City of London, including schools, hospitals, institutions, day nurseries, places of public assembly, hotel, apartments, nursing and aged peoples homes, industrial and mercantile properties, etc., Public Relations and Fire Prevention Education on Fire Safety; investigation of fire occurrences; handling of all complaints and requests respecting fire hazards; and many other varied problems in respect to life and fire safety; issuing of permits for Oil Burner Equipment and inspection of same on completion of installation; the examination of all building plans, (private homes excepted), for all new construction; alterations and additions to existing properties in respect to fire safety, and the inspection of these properties during course of construction. All plans are checked for the proper and safe construction of exterior fire escapes on existing buildings.

	BUREAU INSPECTIONS	COMPANY INSPECTIONS	TOTAL
Fire Investigations	336		336
Lectures & Demonstrations on Fire Safety (Schools excepted)	86		86
TOTAL CALLS	8,187		8,187

Building Plans Examined	306
Buildings inspected during construction	1,233
Oil Burner and Fuel Oil Storage Permits Issued	122

FIRE INVESTIGATIONS

Investigations are made of all fires for the purpose of determining the origin and cause in order that prevention measures may be taken to prevent similar occurrences. The number of fire investigations totaled 336.

Investigations by members of Bureau	312
Investigations by Bureau and Police	15
Investigations by Bureau and Fire Insurance Office	8
TOTAL	336

SUMMARY OF FIRE PREVENTION ACTIVITIES

ACTIVITIES	BUREAU INSPECTIONS	COMPANY INSPECTIONS	TOTAL
Inspections	4,738		4,738
Recalls on inspections	1,005		1,005
Misc Calls & Complaints	1,788		1,788
Oil Burners, Fuel Oil Tank & Gasoline Tank Installations	148		148
Supervised Fire Alarm Drills	86		86
Fire Investigations	336		336
Lectures & Demonstrations on Fire Safety (Schools excepted)	86		86
TOTAL CALLS	8,187		8,187

Building Plans Examined 306

Buildings inspected during const. 1,235

Oil Bumer and Fuel Oil Storage Permits issued 122

FIRE INVESTIGATIONS

Investigations are made of all fires for the purpose of determining the origin and cause, in order that prevention measures may be taken to prevent similar occurrences. The number of fire investigations totalled 336.

Investigations by members of Bureau 313

Investigations by Bureau and Police 15

Investigations by Bureau and Fire Marshals Office 8

TOTAL 336

1966

OCCUPANCIES INSPECTED

FIRE PREVENTION BUREAU AND COMPANY INSPECTIONS

OCCUPANCIES		INSPECTIONS
I	<u>PUBLIC BUILDINGS</u>	
	a. Government Buildings	11
	b. Hospitals and Nursing Homes	54
	c. Schools	58
	d. Churches	126
	e. Amusement Buildings	116
II	<u>DWELLING OCCUPANCIES</u>	
	a. Hotels	84
	b. Lodging Houses	184
	c. Apartments	822
	d. Dwellings	113
	e. Stores and Dwellings	155
III	<u>MERCANTILES</u>	
	a. Office Buildings	312
	b. Small Retail Stores	1,082
	c. Restaurants	373
	d. Large Single Occupancy Mercantile	73
	e. Multiple Occupancy Mercantile	35
	f. Wholesale Houses	105
	g. Storage Warehouses	106
	h. Public Garages & Service Stations	414
IV	<u>MANUFACTURING</u>	
	a. Food Products	74
	b. Chemical Works	14
	c. Wood Works	28
	d. Metal Works	44
	e. Multiple Occupancy Manufacturing	6
	f. Textile, Fabric Works	26
	g. Misc. Manufacturing	147
V	<u>MISCELLANEOUS BUILDINGS</u>	
	a. Lumber Yards and Planing Mills	30
	b. Misc. Structures	146
TOTAL OCCUPANCIES INSPECTED		4,738

Public Relations and Fire Prevention Educational Program

The bureau was once more available to any group who wished to hear about fire safety. A theme that was used in these talks was "A team effort is a better effort". In other words, this department must have the help of the general public to have a good fire safe city.

We have given 43 lectures, films, and practical demonstrations on fire safety with 2,292 persons attending.

We are very grateful for the co-operation received from the various inspection authorities of Provincial and Civic Departments, the local officials and inspectors of the Union Gas Company, and the Electrical Inspection Staff of the Hydro Electric Power Commission.

This bureau appreciates the excellent co-operation extended by the media of the Press, Radio, and Television Stations, and all local advertisers, who supported our various Fire Prevention Campaigns during the past year.

Fire Prevention Week.

This program is a yearly, nation wide, safety plan carried out to inform the general public that "Fire Safety IS Their Job Too", and "What They Must Do About It", not just for one week of the year, but every day of every week of the year.

During the first two weeks in October, 96 schools were visited. 52,579 school children and students, and 2,184 teachers, heard addresses on fire safety and fire prevention.

Permission was granted by the Public and Separate School Board Officials to distribute fire prevention educational literature to the school children in grades, 2, 3, 4, 5, 6, 7, and 8, of all Elementary Schools. 26,621 pieces of material were distributed.

This educational program was carried out by all members of the Fire Prevention Bureau assisted by two firemen from the fire fighting division.

Christmas Fire Safety

Through the media of the Press, Radio and Television Stations, the general public was again warned of the danger of fire, and advised as to the necessary precautions.

Christmas Tree Tags bearing a fire safety message were used again this year. They were distributed to dealers by the inspectors of this bureau.

Municipal Fire Prevention Officers Association Regional Conference

The tenth annual Fire Prevention Officers Conference was held at Hamilton in April of 1966. During the time of this three-day conference many problems common to the Fire Inspectors were discussed, and common answers sought, in this way helping each Municipality to better Fire Prevention Practices.

A number of the top Provincial Inspectors and Fire Marshals were present to assist with the handling of problems a Fire Inspector encounters during his daily routine.

Ontario Fire College - Gravenhurst, Ontario.

Members of the Fire Prevention Bureau attended courses at Gravenhurst, for periods of one and two weeks duration. During this time, valuable information is learned from the very competent staff of the Fire Marshal's Office.

Off-Duty Time Assignments

As in the past, one member was on call at all times to answer fire investigation calls, which were of a suspicious or incendiary nature, and for other dangerous or hazardous conditions.

During 1966, the inspectors were called out on their off-duty time to investigate 68 fires, and attended 13 lectures and demonstrations, and other miscellaneous meetings, which totalled 205 accumulated hours of off-time duty. The Inspectors are compensated for these extra hours of duty by allowing them time off duty if they can be spared.

Mileage

Means of transportation for inspection purposes, and other related fire prevention work and activity, is provided by the Inspectors using their private cars on a mileage basis. The number of miles travelled by the six inspectors of the Bureau totalled 26,424 miles for 1966.

At this time I say thanks to my staff, and to the heads of our Fire Department for the co-operations received in 1966.

"REMEMBER FIRE PREVENTION IS EVERYONE'S BUSINESS!"

Respectfully submitted,

James A. Sneddon,
Fire Prevention Officer,
London Fire Department.