

[DOCUMENT No. 11 — 1960.]



ANNUAL REPORT
OF THE
FIRE DEPARTMENT
FOR THE YEAR 1959.

Boston, February 1, 1960.

HON. JOHN F. COLLINS,
Mayor of Boston.

DEAR SIR:

I have the honor to submit herewith a report of the activities of the Boston Fire Department for the year ending December 31, 1959.

During the period covered by this document Mr. Francis X. Cotter was Fire Commissioner from January 1 to February 26, 1959, and Mr. Timothy J. O'Connor was Fire Commissioner from March 2 to December 31, 1959.

Respectfully submitted,

HENRY A. SCAGNOLI,
Fire Commissioner.

HISTORY**FIRE COMMISSIONERS**

*1874-1876. Alfred P. Rockwell.
 1877-1879. David Chamberlain.
 1879-1883. John E. Fitzgerald.
 1883-1885. Henry W. Longley.
 1885-1886. John E. Fitzgerald.
 1886-1895. Robert G. Fitch.
 1895-1905. Henry S. Russell.
 1905. Patrick J. Kennedy.
 (Acting February 17--March 20.)
 1905-1908. Benjamin W. Wells.
 1908-1910. Samuel D. Parker.
 1910. Francis M. Carroll.
 (Acting May 27--September 16.)
 1910-1912. Charles C. Daly.
 1912-1914. Charles H. Cole.
 1914-1919. John Grady.
 1919-1921. John R. Murphy.
 1921-1922. Joseph P. Manning.
 (Acting Nov. 8, 1921--April 1, 1922.)
 1922. William J. Casey.
 (Acting April 1--August 24.)
 1922-1925. Theodore A. Glynn.
 1926. Thomas F. Sullivan.
 (Acting January 26--July 6.)
 1926-1930. Eugene C. Hultman.
 1930-1933. Edward F. McLaughlin.
 1933. Eugene M. McSweeney.
 (October 16, 1933--January 5, 1934.)
 1934-1938. Edward F. McLaughlin.
 1938-1945. William Arthur Reilly.
 1945-1946. John I. Fitzgerald.
 (June 7, 1945--January 7, 1946.)
 1946-1950. Russell S. Codman, Jr.
 1950-1953. Michael T. Kelleher.
 1953-1954. John F. Cotter.
 1954-1959. Francis X. Cotter.
 1959- Timothy J. O'Connor.

CHIEFS OF DEPARTMENT

1826-1828. Samuel D. Harris.
 1829-1835. Thomas C. Amory.
 1836-1853. William Barnicoat.
 1854-1855. Elisha Smith, Jr.
 1856-1865. George W. Bird.
 1866-1874. John S. Damrell.
 1874-1884. William A. Green.
 1884-1901. Louis P. Webber.
 1901-1906. William T. Cheswell.
 1906-1914. John A. Mullen.
 1914. John Grady. (1 day.)
 1914-1919. Peter F. McDonough.
 1919-1922. Peter E. Walsh.
 1922-1924. John O. Taber.
 1925-1930. Daniel F. Sennott.
 1930-1936. Henry A. Fox.
 1936-1946. Samuel J. Pope.
 1946-1948. Napeen Boutilier.
 1948-1950. John F. McDonough.
 1950-1956. John V. Stapleton.
 1956. Edward N. Montgomery.
 (June 6--September 5.)
 1956- Leo C. Driscoll.

* Previous to 1874, the Boston Fire Department was in charge of the Chief Engineer.

SPECIAL COMMENTS**1. Fires**

During 1959 there were 2,144 fires in buildings, which is a decrease from the number of fires that occurred in 1958. There has been a steady decrease in the number of building fires since 1954, in which year "In-Service Inspection" began.

2. Fire Prevention Code

A Fire Prevention Code was established in the City of Boston during the year, having been passed by the City Council on June 8, 1959, and approved by the Mayor on June 10, 1959. All officers and members of the department are being instructed in the necessary steps to be taken for the proper enforcement of the code. It is felt that the Fire Prevention Code, as now written, is the most up-to-date, comprehensive, codified, and actively enforced fire code in the country.

3. Storage of Flammables at Logan International Airport

During the year an intensive inspection program was conducted at Logan International Airport. This inspection covered all buildings, including hangars, as well as fuel storage dumps, and particular attention was given to itemizing all flammable fluids stored and the method of storage.

The Massachusetts Port Authority, under whose jurisdiction the airport is operated, as well as all tenants who keep, use, or store flammable fluids, were served with abatement notices stating that either a license or permit was necessary for storage of flammables. This meant an increase in the work of the Fire Prevention Division, as plans had to be drawn showing the various occupancies at the airport and the kind and amount of storage inserted.

The work, which is well under way, when completed will give the department a complete record of all storages and the method of storing. In addition, increased revenue will accrue to the city, as approximately 1,000,000 gallons of flammable fluids are stored at the airport.

4. New Fire Station

A new fire station at 315 Cummins Highway, Roslindale, was occupied by Engine Squad 45, Engine Com-

pany 53, and Ladder Company 16 on June 11, 1959. The new building replaces old Engine House 45 at 4246 Washington street, Roslindale, and Engine House 53 at 16 Walk Hill street, Jamaica Plain, resulting in savings in maintenance costs while still maintaining the efficiency of the department.

5. *Buildings Abandoned*

The following old fire stations no longer in use were transferred from the custody of the Fire Department by City Council order, with approval of the Mayor:

Engine House 45 — transferred December 7, 1959.
Engine House 19 — transferred December 29, 1959.

6. *New Fire Launches*

Two new fire launches were placed in service during the year—one with Fireboat Engine 31, and the other with Fireboat Engine 47. These launches provide a means of access to locations where the water is too shallow for the approach of the larger fireboats. The draft of the launches, with full complement aboard, is 22 inches, with a freeboard of 27 inches. Each craft is powered by a 70-horsepower Gray marine engine, in-board, which propels the launch and powers the fire pump. The fire pump supplies a small bow gun with 100 gallons of water per minute, and two 1½-inch hose lines with approximately 100 gallons per minute.

7. *Summation of Training Activities*

In fire fighting there are two primary functions — the saving of life and the extinguishment of fire. In fulfilling these important obligations a fire department must ever be on the alert for new ideas, improved apparatus and equipment, and improved fire-fighting techniques. A fire department cannot remain static. It must devote thought and effort to research and development so that it will progress with other lines of endeavor and thus be capable of coping with the new hazards they present. It has been proven that this can best be accomplished by a division of training adequately staffed and provided with the necessary facilities to carry out this important objective.

Training activities are of necessity separated into two phases — cold weather and temperate weather phases. During periods of low temperatures it is necessary to

curtail outside drilling and training of personnel and concentrate on inside activities which are formulated to review methods and procedures, determine the efficiency of apparatus and equipment, and to lay the groundwork for future items of our training curriculae.

The Cold Weather Phase of training took place in the periods from January 1 to April 10, and November 23 to December 31, 1959. The following subjects were covered during these periods:

1. New 2½-inch Boston Type Combination Nozzles
2. Radiation Hazards in Firefighting
3. Department Radio Procedure
4. Company Drill Items
5. Civil Defense
6. Survey of Gas Masks and Instructions
- 6A. Conversion of All-Service Masks
7. Officers' Training and Instructions Course
8. Probationers' Training
9. Long Island Water Supply
10. Flow Marking of Heavy Stream Tips
11. Nozzle Survey in Companies
12. Cardox — High Pressure Fog Wagon Operations
13. Survey of Stretchers and First Aid Kits
14. Equipment Check
15. Ansul-Cardox Operations
16. Airport Crash Truck Operations
17. Survey of Forceful Entry Equipment, Cellar Pipes, and Ladder Company Hose Equipment
18. Survey of Engine Squad Electrical Equipment and Generators
19. Radiological Monitoring Equipment
20. Films — Rescue Breathing and Flammable Liquids
21. Instructions in Cold Weather Care of Pumps and Hydrants

The temperate weather phase of training took place in the period from April 10 to November 23, 1959. The following subjects were covered during this period:

1. Fire School
 - (a) Water Tower Operations — Review
 - (b) Ladder Pipe Operations
 - (c) Deck Gun Operations and Survey of Condition
 - (d) Pump Operation

- (e) Fire Ground Hydraulics
 - (f) Nozzle Flows and Pressure Requirements
 - (g) Cellar Pipe Operations
 - (h) Special Instructions for Civil Defense Auxiliary Members
 - (i) Water Supply Supplement
 - (j) Training of Navy Personnel
- 2. Probationers' Training
 - 3. Pump Test and Preventive Maintenance
 - 4. Ladder Truck Preventive Maintenance
 - 5. Long Island Water Supply — Survey
 - 6. Gas Mask Conversion Program
 - 7. John F. Fitzgerald Expressway Tunnel
 - 8. Pumper Instruction — Reassigned Apparatus
 - 9. Mystic River Bridge Survey
 - 10. Company Drill Items
 - 11. Survey of Engine Company Ladders
 - 12. Survey of Hydrant Situation at Suffolk Downs
 - 13. Training on Resuscitators and Artificial Respiration
 - 14. Housing Project Elevators — Rescue Procedure
 - 15. M.T.A. Rescue Procedure
 - 16. Survey of Fire Apparatus
 - 17. New East Boston Tunnel — Survey
 - 18. Exhibition Drill Team — Fire Prevention Week Activity
 - 19. Fire Academy — Moon Island — New Installation
 - 20. Test of New Equipment, Appliances, and Materials

In Memoriam

Deaths of Active Members During 1959

February 26

FRANCIS X. COTTER
Fire Commissioner

April 28

WILLIAM H. ANDERSON
Fire Fighter, Ladder Company 28

September 28

LEO R. SENNETT
Fire Fighter, Engine Company 2

October 16

JOHN J. HURLEY
Fire Fighter, Headquarters

December 25

ARTHUR P. SPACONE
Fire Fighter, Engine Company 2

PERSONNEL

BOSTON FIRE DEPARTMENT 1959

Fire Commissioner, FRANCIS X. COTTER to February 26, 1959.

TIMOTHY J. O'CONNOR from March 2, 1959.

Chief of Department, LEO C. DRISCOLL.

Executive Secretary, WILLIAM D. SLATTERY.

Medical Examiner, EDWARD H. HOMMEL, M.D.

Superintendent of Fire Alarm Division, ALBERT L. O'BANION.

Superintendent of Maintenance Division, JOHN A. MARTIN.

Assistant Fire Chief in Charge of Fire Prevention Division, JOHN E. CLOUGHERTY.

Assistant Fire Chief in Charge of Fire-Fighting Force, JOHN F. HOWARD.

Assistant Fire Chief in Charge of Personnel and Training, WILLIAM A. TERRENZI.

Chaplains, REV. JOHN J. McMANMON (Catholic); REV. JOHN E. BARCLAY (Protestant); RABBI SAMUEL I. KORFF (Jewish).

MEDAL OF HONOR MEN BOSTON FIRE DEPARTMENT — 1959

"John E. Fitzgerald Medal."

Awarded to Fire Fighter WILLIAM E. PERO, Ladder Company 3.

"Walter Scott Medal for Valor."

Awarded to Fire Fighter RICHARD W. LYNCH, Engine Company 13.

"Patrick J. Kennedy Medal."

Awarded to Fire Fighter William A. Dower, Rescue Company.

ROLL OF MERIT — 1959

Fire Lieutenant GEORGE F. LEE, Ladder Company 3.
Fire Fighter THOMAS J. HEANUE, Engine Company 1.
Fire Fighter HENRY J. MILLER, Engine Company 43.
Fire Fighter LEON G. CRISPO, Ladder Company 12.
Fire Fighter WILLIAM H. HALPIN, Ladder Company 13.
Fire Fighter ROBERT L. LAROSE, Ladder Company 13.
Fire Fighter WILLIAM B. LINNANE, Ladder Company 14.
Fire Fighter WARREN J. CUDMORE, Ladder Company 18.

APPOINTMENTS — 1959

(Fire-Fighting Division)

No new appointments were made during the year 1959.

REINSTATEMENTS — 1959

(Fire-Fighting Division)

DATE	NAME	ASSIGNMENT
June 17	Richard R. Thompson	Ladder Company 10
July 8	James J. Loftus	Ladder Company 10



STATISTICS

COMPARATIVE FIRE DEPARTMENT EXPENDITURES

	1958	1959
1. PERSONAL SERVICES		
Permanent employees	\$10,377,301 59	\$12,107,593 07
Overtime	224,619 57	229,442 21
Total Personal Services	\$10,601,921 16	\$12,337,035 28
2. CONTRACTUAL SERVICES		
Communications	\$37,224 35	\$38,070 20
Light, heat, and power	79,148 64	82,621 50
Repairs and maintenance of build- ings and structures	113,257 41	91,827 41
Repairs and servicing of equipment	61,927 31	61,922 52
Transportation of persons	1,730 83	1,642 08
Other contractual services	20,405 84	18,323 96
Total Contractual Services	\$313,694 38	\$294,407 67
3. SUPPLIES AND MATERIALS		
Automotive supplies and materials	\$93,187 75	\$84,545 47
Heating supplies and materials	84,627 23	79,269 88
Household supplies and materials	11,430 41	13,092 34
Medical, dental, and hospital sup- plies and materials	1,074 78	295 44
Office supplies and materials	19,258 94	25,106 08
Other supplies and materials	233,690 77	232,447 59
Total Supplies and Materials	\$443,269 88	\$434,756 80
4. CURRENT CHARGES AND OBLIGATIONS		
Other current charges and obliga- tions	\$8,679 95	\$11,189 51
Total Current Charges and Obli- gations	\$8,679 95	\$11,189 51
5. EQUIPMENT		
Automotive equipment	\$14,451 00	—
Office furniture and equipment	1,679 64	\$1,665 69
Other equipment	141,112 53	105,350 69
Total Equipment	\$157,243 17	\$107,016 38
7. STRUCTURES AND IMPROVEMENTS		
Buildings and improvements	\$71,601 81	\$14,398 19
Total Structures and Improve- ments	\$71,601 81	\$14,398 19
Department Total	\$11,596,410 35	\$13,198,803 83

FIRE DEPARTMENT REVENUE — 1959

Permits for storage of inflammable fluids, certificates of registration, etc.	\$240,071 73
Miscellaneous receipts	250 18
Damage to apparatus and motor vehicles	187 74
Damage to fire alarm boxes	3,385 31
Reimbursement from Commonwealth of Massachusetts for expenditures for fire alarm construction work on John F. Fitzgerald Expressway	20,718 19
Commissions and refunds from New England Telephone and Telegraph Company	3,710 42
Total	\$268,323 57

FIRE ALARM DIVISION

1959

FIRE ALARM DIVISION

GENERAL SUMMARY OF ALARMS

TOTAL NUMBER OF ALARMS TRANSMITTED
(To Which Apparatus Responded)

	1957	1958	1959
First alarms (boxes).....	11,693	10,468	11,541
Still alarms — Net TOTAL.....	8,556	6,889	7,517
Total alarms — Boston only.....	20,249	17,357	19,058
Mutual Aid.....	114	102	116
TOTAL ALARMS.....	20,363	17,459	19,174

TELEPHONE ALARMS

	1957	1958	1959
Alarms received from citizens by telephone (for fire).....	7,537	5,973	6,395
Per cent of total alarms.....	37.0	34.2	33.3

FALSE ALARMS

	1957	1958	1959
Total false alarms.....	3,342	3,714	4,262
Per cent of total alarms.....	16.4	21.3	22.2

NOTE

The first electric telegraph system for fire alarms in the world (in Boston) cost \$16,000 and consisted of 40 miles of wire, 45 signal boxes or stations, and 16 alarm bells.

The system was officially accepted by the City of Boston at noon, April 28, 1852, and the first alarm was received from Station 7, District 1 (now Box 1212) at 8.25 P.M., April 29, 1852.

Total box alarms transmitted since April 28, 1852, through December 31, 1959, 448,402.

ANALYSIS OF STILL ALARMS

	1957	1958	1959
Received from citizens by telephone.....	7,537	5,973	6,395
Received from Police Department.....	914	707	742
Received from Fire Department.....	1,622	1,219	1,305
Boxes received — treated as STILLS.....	119	148	167
Emergency calls — treated as STILLS.....	2,374	2,563	2,647
Received from Boston Automatic Co.*.....	126	154	139
Received from A. D. T. Co.*.....	256	234	279
Received from C. P. S. Co.*.....	4	2	7
GROSS TOTALS.....	12,952	11,000	11,681
DEDUCT			
STILL ALARMS received for which BOX ALARMS were pulled after STILL and BOX ALARMS were transmitted.....	176	65	91
STILL ALARMS received for which BOX ALARMS were transmitted.....	4,220	4,046	4,073
NET TOTAL STILL ALARMS (Boston).....	8,556	6,889	7,517
MUTUAL AID ALARMS.....	114	102	116

* Does Not include alarms received after still alarm or after City Box Alarm, in which case no action was taken.

NOTE.—Net Total STILL ALARMS indicates number of alarms for which apparatus was dispatched by telephone without BOX ALARM, and alarms for which Private Company Box only was transmitted without City Box Alarm.

SUMMARY OF ALARMS—BY MONTHS—1959

	Boxes	Stills	Totals
January.....	1,079	698	1,777
February.....	914	532	1,446
March.....	889	572	1,461
April.....	1,104	780	1,884
May.....	1,065	758	1,823
June.....	746	515	1,261
July.....	756	641	1,397
August.....	824	692	1,516
September.....	957	664	1,621
October.....	1,110	625	1,735
November.....	1,046	572	1,618
December.....	1,051	584	1,635
TOTALS.....	11,541	7,633	19,174

NOTE.—Alarms received from Boston Automatic, A. D. T., C. P. S. or where Private Company Box only was transmitted, without CITY Box, have been included under STILL ALARMS.

All alarms for MUTUAL AID have been included under STILL ALARMS.

ORIGIN OF ALARMS

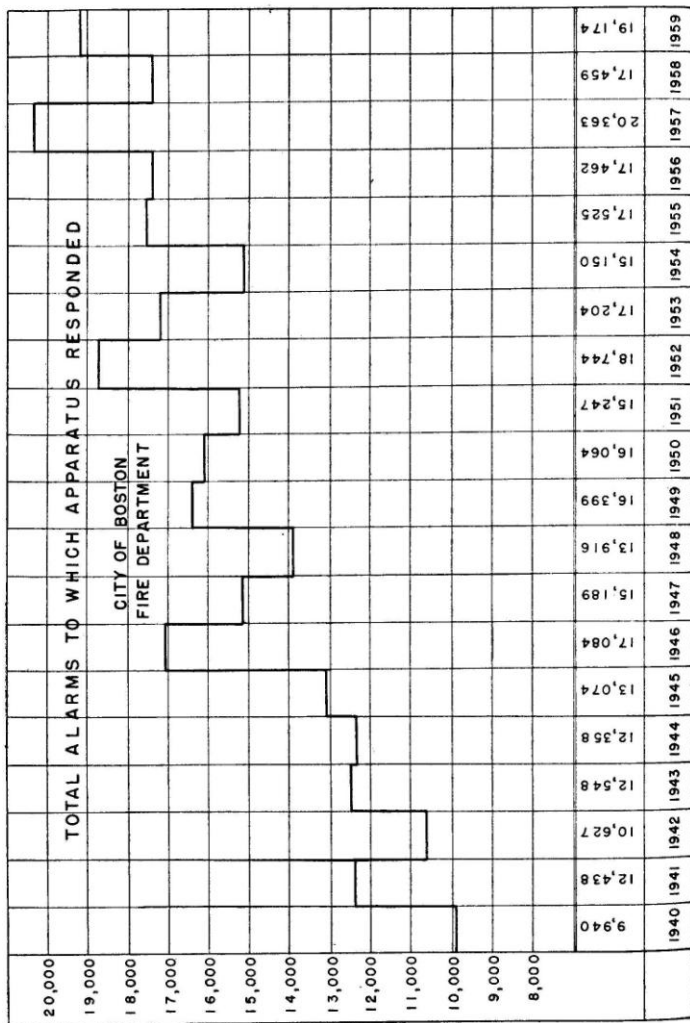
	1957		1958		1959	
	No.	Per Cent	No.	Per Cent	No.	Per Cent
1. Box Alarms.....	7,416	36.41	6,505	37.26	7,544	39.34
2. Citizens by Telephone.....	7,537	37.01	5,973	34.21	6,395	33.35
3. Boxes Received after Telephone Call.....	176	0.86	65	0.37	91	0.47
4. Police Department.....	914	4.49	707	4.05	742	3.87
5. Fire Department.....	1,622	7.97	1,219	6.98	1,305	6.81
6. Boston Automatic.....	126	0.62	154	0.88	139	0.72
7. A. D. T.....	256	1.26	234	1.34	279	1.46
8. C. P. S.....	4	0.02	2	0.01	7	0.04
9. Mutual Aid.....	114	0.56	102	0.59	116	0.60
10. Emergency Calls.....	2,374	11.66	2,563	14.68	2,647	13.81
TOTALS.....	20,363	100%	17,459	100%	19,174	100%

SUMMARY OF ALARMS
ACCORDING TO FIRE DISTRICTS—1959

No.		Boxes	Stills	Total
1	East Boston	623	445	1,068
2	Charlestown	434	258	692
3	North and West Ends and Business District	761	529	1,290
4	Business District, South End and Back Bay	1,383	688	2,071
5	Back Bay and Roxbury	1,850	816	2,666
6	South Boston	1,121	612	1,733
7	Roxbury and Dorchester North	1,415	794	2,209
8	Dorchester	1,143	1,095	2,238
9	Jamaica Plain and Roxbury	1,294	745	2,039
10	Roslindale, West Roxbury and Hyde Park	789	945	1,734
11	Brighton	728	590	1,318
Totals in Boston		11,541	7,517	19,058
Mutual Aid to Adjacent Cities and Towns		—	116	116
Totals		11,541	7,633	19,174

MUTUAL AID ALARMS

	Response of BOSTON to Outside Cities and Towns					Response of Adjacent Cities and Towns to BOSTON				
	1955	1956	1957	1958	1959	1955	1956	1957	1958	1959
Brookline.....	27	23	18	17	27	120	113	138	125	111
Cambridge.....	14	9	8	10	5	6	11	9	4	7
Chelsea.....	5	18	12	7	9	13	9	9	2	3
Dedham.....	3	7	9	6	14	20	11	52	19	18
Everett.....	2	1	2	4	5	4	3	3	1	2
Hull.....	0	0	0	1	0	0	0	0	0	0
Lynn.....	0	0	0	1	1	0	0	0	0	0
Medford.....	0	0	1	0	1	0	0	0	0	0
Melrose.....	0	0	0	0	1	0	0	0	0	0
Milton.....	4	4	13	5	5	4	2	3	2	2
Newton.....	8	14	11	16	15	22	31	31	16	18
Quincy.....	4	1	6	3	3	19	14	18	10	14
Revere.....	0	1	0	0	1	0	0	1	0	0
Somerville.....	34	34	32	33	29	42	29	42	42	37
Winthrop.....	0	0	0	1	0	7	1	4	4	9
Totals.....	101	103	114	102	116	257	224	310	225	221



FIRE DEPARTMENT

23

MULTIPLE ALARM FIRES

	1955	1956	1957	1958	1959
Two Alarms.....	71	76	65	47	58
Three Alarms.....	20	33	26	23	14
Four Alarms.....	5	8	8	1	5
Five Alarms.....	4	2	2	2	2
Totals.....	100	119	101	73	79

SUMMARY OF MULTIPLE ALARM FIRES ACCORDING TO MONTHS OF THE YEAR — 1959

MONTH	Two Alarms	Three Alarms	Four Alarms	Five Alarms	Total
January.....	6	1	0	0	7
February.....	5	0	0	1	6
March.....	6	3	2	0	11
April.....	8	1	1	0	10
May.....	1	3	0	0	4
June.....	2	0	0	0	2
July.....	3	2	0	0	5
August.....	8	0	2	1	11
September.....	2	0	0	0	2
October.....	1	1	0	0	2
November.....	7	0	0	0	7
December.....	9	3	0	0	12
Totals.....	58	14	5	2	79

SUMMARY OF FIRE ALARM BOXES

Total number of fire alarm boxes in service as of December 31, 1958.....	2,061
Fire alarm boxes installed January 1, 1959, to December 31, 1959.....	78
Fire alarm boxes discontinued January 1, 1959, to December 31, 1959.....	9
NET INCREASE in number of fire alarm boxes.....	69
Total number of fire alarm boxes in service as of December 31, 1959.....	2,130

DISTRIBUTION OF FIRE ALARM BOXES
DISTRICTS

District 1	127	District 7	181
District 2	130	District 8	239
District 3	167	District 9	185
District 4	159	District 10	363
District 5	198	District 11	186
District 6	195		

DIVISIONS

Division 1	778
Division 2	1,352
Total	<u>2,150</u>

NOTE: The following fire alarm boxes have been incorporated in District 10 from District 8, as listed in General Order No. 24, dated June 4, 1959, due to a change in district boundaries: Box 2593, 2594-2597.

FIRE ALARM BOXES INSTALLED IN 1959

DATE	Box	DISTRICT	LOCATION
Jan. 14	12-3815	10	Kennedy Memorial School, Gordon Avenue and Hale Street.
Feb. 4	14-235	5	Emmanuel College, Dormitory Building, 300 Brookline Avenue.
Feb. 4	12-235	5	Emmanuel College, Administration Building, 400 Fenway.
Feb. 4	13-235	5	Emmanuel College, Marian Hall, 400 Fenway.
Feb. 4	15-2352	5	Emmanuel College, Science Building, 41 Avenue Louis Pasteur.
Feb. 11	13-2327	5	Industrial School for Crippled Children, 241 St. Botolph Street.
Mar. 11	5485	11	Bigelow Street and Perthshire Road.
Mar. 18	3327	7	Dakota and Boyd Streets.
Mar. 19	3328	7	Dakota and Claybourne Streets.
Apr. 3	6238	1	Beachview and Drumlin Roads.
Apr. 13	1678	4	West Springfield Street, opposite Newland.
Apr. 14	2327	5	Burbank Street, opposite Edgerly Road.
Apr. 15	714	6	Fargo and E Streets.
Apr. 16	6141	1	Porter and Orleans Streets.
Apr. 17	6146	1	Maverick and Geneva Streets.
Apr. 17	6145	1	Maverick Street, opposite Frankfort.
Apr. 17	6114	1	Maverick and Aramon Streets.
Apr. 21	1275	3	Milk Street, opposite Federal.
Apr. 22	1298	3	High and Pearl Streets.
Apr. 23	5226	11	North Harvard Street and Stadium Place.
Apr. 28	5152	11	Allston and Kelton Streets.
Apr. 29	5159	11	Summit Avenue and Allston Street.

FIRE ALARM BOXES INSTALLED IN 1959. — (Continued)

DATE	Box	DISTRICT	LOCATION
May 4	1798	7	Geneva Avenue and Wilder Street.
May 20	3667	10	Osceola Street and Hopewell Road.
May 20	3668	10	Belnel Road, opposite No. 87.
May 20	3669	10	River and Osceola Streets.
May 21	3664	10	Edgewater Drive and Burnah Street.
May 21	3665	10	Mattakeset Street, opposite No. 26.
May 25	12-5364	11	Chestnut Hill Nursing Home, 35 Chestnut Hill Avenue.
May 26	15-141	4	John F. Fitzgerald Expressway, Southbound, Station No. 7, Tunnel, near Beach Street Exit.
May 26	16-141	4	John F. Fitzgerald Expressway, Southbound, Station No. 9, Tunnel, near Kneeland Street.
May 26	12-143	4	John F. Fitzgerald Expressway, Northbound, Station No. 10, Tunnel, near Kneeland Street.
May 26	13-143	4	John F. Fitzgerald Expressway, Northbound, Station No. 8, Tunnel, near Lincoln Street Exit.
May 26	14-143	4	John F. Fitzgerald Expressway, Northbound, Station No. 6, Tunnel, Essex Street Under.
May 26	15-143	4	John F. Fitzgerald Expressway, Northbound, Station No. 4, Tunnel, near South Street Entrance.
May 28	3418	8	Welles Avenue and Melbourne Street.
May 29	3315	7	Lyndhurst Street, opposite No. 40.
June 1	5246	11	Lincoln Street, opposite Franklin.
June 3	5256	11	Everett and Adamson Streets.
June 8	356	8	Morton Street and Gallivan Boulevard.
June 9	7217	6	West Sixth and D Streets.
June 9	7222	6	West Broadway and D Streets.
June 11	149	4	John F. Fitzgerald Expressway, Southbound, at Harvard Street.
June 11	12-149	4	John F. Fitzgerald Expressway, Northbound, at Harvard Street.
June 15	162	4	John F. Fitzgerald Expressway, Southbound, near Broadway.
June 15	12-162	4	John F. Fitzgerald Expressway, Northbound, near Broadway.
June 15	13-162	4	Northbound Service Road, opposite Troy Street.
June 16	141	3	John F. Fitzgerald Expressway, Southbound, Congress Street to Kneeland Street.
June 16	143	3	John F. Fitzgerald Expressway, Northbound, Kneeland Street to Congress Street.
July 30	5197	11	Fidelis Way, opposite No. 25.
Aug. 4	12-1624	4	Boston Herald-Traveler Corporation, 300 Harrison Avenue.
Aug. 5	3415	7	Allston Street, opposite Moultrie.
Aug. 20	7232	6	Dorchester Avenue, opposite B Street.
Aug. 25	7277	6	Public Works Department, South Bay Incinerator, South Bay Avenue.

FIRE ALARM BOXES INSTALLED IN 1959.—(Concluded)

DATE	Box	Dis- TRICT	LOCATION
Aug. 26	5177	11	Commonwealth Avenue and Fidelis Way.
Aug. 31	13-288	10	Catholic Memorial High School, 235 Baker Street.
Sept. 1	164	4	John F. Fitzgerald Expressway, Southbound, opposite Randolph Street.
Sept. 1	12-164	4	John F. Fitzgerald Expressway, Northbound, opposite Randolph Street.
Sept. 8	2483	9	Mossdale and Driftwood Roads.
Sept. 8	163	4	John F. Fitzgerald Expressway, Southbound, at Dover Street.
Sept. 8	12-163	4	John F. Fitzgerald Expressway, Northbound, at Dover Street.
Sept. 9	2486	9	Moss Hill and Slocum Roads.
Sept. 9	2487	9	Moss Hill and Surrey Hill Roads.
Sept. 9	13-163	4	Northbound Service Road, opposite Thayer Street.
Sept. 11	3384	8	West Tremlett and Herbert Streets.
Sept. 15	12-5274	11	St. Anthony's School, 57 Holton Street.
Sept. 23	13-2362	5	Public School, 40 Smith Street.
Sept. 23	12-2332	5	Northeastern University, Graduate Center Building, Forsyth Street.
Oct. 1	13-3741	10	First Congregational Church, 6 Webster Street.
Oct. 21	12-4135	2	Harvard School, 20 Devens Street.
Oct. 21	12-5367	11	Thomas A. Edison School, 60 Glenmont Road.
Oct. 21	13-2246	5	James P. Timilty School, 205 Roxbury Street.
Oct. 30	12-1757	7	Nathaniel Hawthorne School, 15 Howard Avenue.
Oct. 30	12-3361	8	William E. Endicott School, 2 McLellan Street.
Nov. 12	12-5354	11	Alexander Hamilton School, 198 Strathmore Road.
Dec. 1	2596	10	Cummins Highway and Hyde Park Avenue.
Dec. 7	12-3575	8	Milton View Rest Home, 150 River Street.
Dec. 11	14-2484	9	Nursing Home for Armenian Women's Welfare Association 431 Pond Street.

FIRE ALARM BOXES DISCONTINUED IN 1959

DATE	Box	Dis- TRICT	LOCATION
Jan. 8	12-1563	4	Mechanics Building, Huntington Avenue.
Mar. 16	12-7335	6	Walworth Manufacturing Company, East First and O Streets.
May 22	13-1324	3	Howard Theatre, Howard Street.
May 25	12-1324	3	Scollay Square Theatre, 56 Scollay Square.
June 9	12-5255	11	Boston & Albany Railroad Shops, Lincoln Street.
June 24	12-1348	3	Mayhew School, 2 Poplar Street.

FIRE ALARM BOXES DISCONTINUED IN 1959.—(Concluded.)

DATE	Box	Dis- TRICT	LOCATION
July 14	12-2151	5	Warren Theatre, Warren and Waverly Streets.
Aug. 5	13-3572	8	Henry Jenkins Transportation Company, River Street and Central Avenue.
Nov. 24	13-2363	5	Martin School, Huntington Avenue and Worthington Street.

FIRE ALARM BOX RELOCATED IN 1959

Fire Alarm Box 281 was relocated and designation changed, as given in General Order No. 8, dated March 4, 1959, viz., 281, Centre Street and Manthorne Road.

FIRE ALARM BOXES RENUMBERED IN 1959

Fire Alarm Boxes 2327, 12-2327, and 13-2327 were renumbered as given in General Order No. 10, dated March 16, 1959.

Fire Alarm Box 12-181 was renumbered as given in General Order No. 12, dated April 2, 1959.

Fire Alarm Box 13-2275 was renumbered as given in General Order No. 36, dated August 4, 1959.

These renumberings are listed below:

Old No.	New No.	Location
2327	233	St. Botolph and Gainsborough Streets.
12-2327	12-233	Northeastern University, Laboratory Building, St. Botolph Street Extension.
13-2327	13-233	Industrial School for Crippled Children, 241 St. Botolph Street.
12-181	12-1818	Boston College High School, 150 Morrissey Boulevard.
13-2275	12-2191	Academy of Notre Dame, 2893 Washington Street.

CHANGE IN DESIGNATION OF FIRE ALARM BOXES IN 1959

GENERAL ORDERS No.	Box No.	GENERAL ORDERS No.	Box No.
8	344	35	1796
12	13-181	35	2963
12	12-2425	35	12-518
13	1213	35	13-518
13	2863	38	1625
25	5211	40	2487
25	5255	51	1757
		51	3361

**FIRE ALARM CONSTRUCTION FORCE
UNDERGROUND CONSTRUCTION — 1959**

NUMBER OF CON- DUCTORS	TYPE OF CABLE	INSTALLED		REMOVED	
		Feet of Cable	Feet of Conductors	Feet of Cable	Feet of Conductors
2	No. 14 Neoprene Jack- eted	300	600	—	—
4	Polyethylene P. V. C...	6,570	26,280	600	2,400
4	Rubber-Lead.....	—	—	3,060	12,240
6	Rubber-Lead.....	—	—	1,180	7,080
7	Polyethylene P. V. C...	22,025	154,175	1,000	7,000
7	Rubber-Lead.....	—	—	225	1,575
10	Polyethylene P. V. C...	12,690	126,900	800	8,000
10	Rubber-Lead.....	—	—	2,975	29,750
10	Nonmetallic.....	—	—	325	3,250
19	Polyethylene P. V. C...	10,805	205,295	805	15,295
19	Rubber-Lead.....	—	—	3,705	70,395
19	Anhydrex Jacketed....	—	—	1,000	19,000
20	Rubber-Lead.....	—	—	350	7,000
30	Rubber-Lead.....	—	—	180	5,400
37	Polyethylene P. V. C...	2,700	99,900	275	10,175
37	Rubber-Lead.....	—	—	855	31,635
61	Polyethylene P. V. C...	2,475	150,975	90	5,490
	Totals.....	57,565	764,125	17,425	235,685

OVERHEAD CONSTRUCTION — 1959

	Installed Feet	Removed Feet
No. 10 Copperweld T. B. W. P., "Duraline"	2,300	—
No. 9 T. B. W. P. Galvanized	—	52,630
No. 14 Twisted Pair, Weatherproof	—	725
2 Conductors, No. 14 Neoprene Jacketed	150	—
2 Conductors, No. 14 Nonmetallic	—	1,100
4 Conductors, Polyethylene P. V. C.	5,485	700
4 Conductors, Nonmetallic	—	2,300
7 Conductors, Polyethylene P. V. C.	13,600	—
Totals	21,535	57,455
Knockdowns Attended to		136
Multiple Alarms Responded to		76
Fire Alarm Boxes Installed		85
Line Construction, Installations, Removals, Transfers, Slack Hauled, etc.		429 poles

**MAINTENANCE DIVISION
1959**

MAINTENANCE DIVISION

RECORD OF HOSE

PURCHASED	CONDEMNED	REPAIRED	IN STOCK
31,400 feet	26,672 feet	20,991 feet	9,900 feet

PAINTING ACTIVITIES

TYPE OF WORK	Number of Jobs	Labor Costs	Material Costs	Total Costs
Complete jobs.....	4	\$1,520 62	\$441 73	\$1,962 35
Partial jobs.....	220	1,981 78	914 45	2,896 23
Miscellaneous jobs.....	61	640 27	76 81	717 08
Total.....	285	\$4,142 67	\$1,432 90	\$5,575 66

REPAIRS TO APPARATUS

PERFORMED By →	B. F. D. Maint. Div.	Outside Concerns	Total
Number of jobs.....	6,696	529	7,225
Cost of labor and materials.....	\$138,274 99	\$43,095 19	\$181,370 18

REPAIRS TO BUILDINGS

PERFORMED By →	B. F. D. Maint. Div.	Outside Concerns	Total
Number of jobs.....	1,305	188	1,493
Cost of labor.....	\$40,529 54	\$23,510 46	
Cost of material.....	10,343 15		
Total.....	\$50,872 69	\$23,510 46	\$74,383 25

REPAIRS TO HIGH PRESSURE STATIONS

PERFORMED By →	B. F. D. Maint. Div.	Outside Concerns	Total
Number of jobs.....	3	3	6
Cost of labor.....	\$31 29	\$100 50	
Cost of material.....	0 95		
Total.....	\$32 24	\$100 50	\$132 74

REPAIRS TO FIREBOATS

PERFORMED By →	B. F. D. Maint. Div.	Outside Concerns	Total
Number of jobs.....	167	34	201
Cost of labor.....	\$7,022 68	\$7,418 29	
Cost of material.....	2,845 17		
Total.....	\$9,867 85	\$7,418 29	\$17,286 14

MOTOR EQUIPMENT INVENTORY

TYPE OF EQUIPMENT	In Service	In Reserve	Total
Pumps.....	41	11	52
Engine Squads.....	5	0	5
Steam Fire Engines (Christie).....	0	2	2
Civil Defense Pumps.....	0	17	17
Hose Wagons.....	21	3	24
Aerial Ladders.....	22	5	27
Junior Aerials.....	7	3	10
City Service Trucks.....	1	0	1
Water Towers.....	2	1	3
Rescue Wagons.....	1	1	2
Wrecking Units.....	2	0	2
Fuel Wagons.....	2	0	2
Tank Truck.....	1	0	1
Lighting Plants.....	3	0	3
Auxiliary Pumps.....	0	5	5
Chiefs' and Officers' Cars.....	30	17	47
Commercial Trucks.....	28	0	28
Caterpillar Tractor.....	1	0	1
Tractors (only).....	0	3	3
Fork Lift Truck.....	1	0	1
Snow Plow.....	1	0	1
Air Compressors.....	1	0	1
Totals.....	170	68	238

**FIRE PREVENTION DIVISION
1959**

ANNUAL REPORT OF DAILY RECEIPTS — FIRE PREVENTION DIVISION — YEAR 1959

Month	Permits Inflammable Fluids	License Renewals	Open Air Fires	Blasting Permits	Gas Tank Removals	Burner Installation	Decorative Materials Samples	Sprinkler Permits	License Transfers	Total
January	\$1,653 18	\$168 50	\$459 50	\$20 00	—	\$474 00	\$32 00	\$15 00	—	\$2,840 18
February	444 35	195 00	680 00	10 00	\$3 00	507 00	64 00	40 00	—	1,941 35
March	3,273 37	20,817 00	539 50	35 00	—	384 00	68 00	5 00	—	25,094 87
April	11,689 75	44,284 50	424 00	30 00	3 00	349 00	66 00	5 00	—	56,845 25
May	183,476 00	19,299 50	325 50	35 00	3 00	545 00	48 00	10 00	—	83,476 00
June	3,232 00	3,726 50	290 00	50 00	18 00	556 00	47 00	—	\$14 00	7,833 50
July	4,631 50	884 00	185 00	40 00	21 00	707 00	26 00	—	7 00	6,991 50
August	4,121 50	609 50	160 50	55 00	24 00	825 00	45 00	5 00	5 00	5,850 50
September	1,592 45	788 00	411 00	45 00	12 00	979 00	55 00	5 00	4 00	3,891 45
October	1,904 07	457 50	253 00	40 00	36 00	1,073 00	37 00	10 00	2 00	3,812 57
November	2,030 00	90 00	167 50	60 00	9 00	1,323 00	43 00	5 00	4 00	3,731 50
December	1,469 25	607 00	181 50	60 00	27 00	807 00	137 00	90 00	—	3,378 75
	\$131,078 17	\$91,927 00	\$4,077 00	\$795 00	\$156 00	\$8,619 00	\$688 00	\$181 00	\$36 00	\$238,683 42
										988 00*
										\$239,671 42

† Deposited by Lieut. McGowan.

* Unclassified.

SUMMARY OF INSPECTIONS AND INVESTIGATIONS — 1959

INSPECTION FORCE 1959 — FIRE PREVENTION DIVISION

Number of complaints received	3,579
Number of inspections made	22,706
Number of abatement orders issued	1,432
Number of corrections made	3,407
Number of reinspections made	4,865
	35,989

Daily inspections made of piers in East Boston, South Boston, and Charlestown

NIGHT CLUB INSPECTIONS

Places of assembly inspected	3,161
Number of abatement orders issued	42
Number of corrections made	486
Certificates of analysis approved	182
Certificates of flameproofing approved	226
	4,097

INSPECTIONS BY FIRE COMPANY OFFICERS AND FIREFIGHTERS

Building inspections	50,830
Reinspections	2,745
Theaters	12,290
Schoolhouses	6,750
Public buildings	6,446
Oil farms	48
Carhouses	40
New installations — oil burner inspections	3,024
Inflammable fluids, storage facilities, etc.	3,163
Open-air fires	263
Tank removals	54
License renewals, inflammables, garages, etc.	3,610
Parking lots	373
License petitions (location approvals)	142
Blasting	91
Boarding homes for children, day nurseries, boarding homes for aged, convalescent homes, etc., hospitals, institutions, etc.	920
	90,789

Total inspections and reinspections	130,875
Conditions referred to other departments (written)	693

FIRE DRILLS

Schools	2,710
Theaters	345
Hospitals, institutions, etc.	665
Industrial and mercantile establishments	973

SCHOOL PROGRAM

Number of school visits made	380
Number of pupils spoken to (all visits)	27,437

ARSON SQUAD ACTIVITIES — 1959

Undetermined fires	156
Suspicious fires	12
Incendiary fires	2
Causes given, but investigated	185
Multiple alarms	79
Deaths	26
Injuries	111
Arrests	18
Grand jury indictments	3
Municipal Court cases	27
Municipal Court convictions	8
Superior Court cases	10
Superior Court convictions	9
Gas odors investigated	46
Fire prevention inspections	343

CASUALTY REPORT AND REASON

	INJURIES	DEATHS
Careless disposal of smokers articles	6	—
Careless smoking	11	6
Defective chimney	3	4
Defective range burner	5	3
Defective wiring	1	1
Friction ignited gas fumes	1	—
Gas stove ignited clothes	1	—
Grease on stove	1	—
Ignition of hair shampoo	1	—
Kitchen stove	1	—
Lighter fluid ignited	3	1
Misuse of gasoline	1	—
Perfection heater	1	—
Power burner	1	—
Small tank explosion	1	—
Smoking in bed	8	2
Space heater	16	6
Space heater explosion	2	1
Undetermined	7	1
Unknown explosion (North Station)	40	1
Total	111	26

CHEMICAL LABORATORY
Summary of Analyses and Tests — 1959

	SAMPLES REPORTED
Decorations	692
Building Department	5
Investigations	17
Flash points	10
Inspections	30
Total fees collected	\$703

PHOTOGRAPHIC LABORATORY
Summary of Activities — 1959

	Jobs
Arson	193
Accidents	82
Department activities	39
Public relations	57
Fire prevention	85
Multiple alarms	78
I. D. photographs	25
Number of negatives	3,665
Number of prints	5,537

COMPLAINTS RECEIVED AT FIRE PREVENTION DIVISION — 1959

Month	Telephone	Larva				Totals
		Counter	Public	Health	Miscellaneous	
January.....	62	4	3	2	1	72
February.....	56	6	2	3	1	67
March.....	71	3	4	6	1	85
April.....	64	5	3	1	1	73
May.....	69	2	1	4	1	77
June.....	72	7	2	5	—	86
July.....	65	1	—	3	—	69
August.....	54	3	—	—	—	57
September.....	68	5	2	3	1	78
October.....	73	2	—	6	—	81
November.....	58	1	3	3	—	65
December.....	116	—	—	5	1	121
Totals.....	828	39	20	41	4	931

FIRE DEPARTMENT

ORDERS AND CONDITIONS REFERRED TO OTHER DEPARTMENTS — 1959

Month	1st Orders	Service Orders	Building	Health	Public Safety	Public Works	Miscellaneous	Totals
January.....	201	16	40	8	—	—	—	265
February.....	186	12	43	6	—	1	—	248
March.....	225	13	76	9	—	—	—	323
April.....	154	10	36	10	1	—	—	211
May.....	137	14	42	8	—	—	—	201
June.....	201	17	63	4	—	—	2	287
July.....	138	32	40	7	—	—	—	217
August.....	127	9	42	10	—	—	1	189
September.....	151	36	40	13	—	—	—	240
October.....	204	11	32	9	—	2	—	258
November.....	108	15	45	17	—	—	—	245
December.....	207	21	73	12	—	—	1	314
Totals.....	2,099	206	572	113	1	3	4	2,998

**ANALYSIS OF FIRES
IN BUILDINGS
AND CAUSES OF FIRES**

ANALYSIS OF FIRES IN BUILDINGS FOR YEAR 1959

Construction of Buildings

Fire-resistive	215
Second-class	989
Third-class	881
Other type	59
Total	2,144

Point of Origin

Basement	381
First floor	655
Second floor	341
Third floor	255
Above third	135
Roof	57
Outside	320
Total	2,144

Extent of Fire

Confined to point of origin	1,231
Confined to buildings	834
Extended to other buildings	79
Total	2,144

Causes of Fires in Buildings — 1959

Chimney, soot burning	5
Defective chimney	21
Sparks from chimney at roof	16
Rubbish near heater	6
Defectively installed heater	29
Hot ashes	5
Fuel oil burner	171
Careless smoking	1,040
Children with matches	114
Other careless use of matches	15
Defective wiring	122
Electric appliances and motors	89
Flammable liquids near fire	4

FIRE DEPARTMENT

43

Kerosene lamps and stoves	0
Grease, food on stove	33
Clothes, furniture near fire	15
Spontaneous ignition	25
Fireworks	0
Thawing water pipes	5
Sparks from machine	3
City gas and appliances	25
Miscellaneous known causes	135
Malicious mischief	54
Incendiary or suspicious	27
Unknown	165
Home dry cleaning	20
Starting fires — kerosene or gasoline	0


1959 total 2,144

Causes of Outdoor Fires — 1959

Rubbish	2,488
Dump	130
Brush or grass	1,946
Other outdoor	432
Marine	2
Automobile	960

1959 total 5,958

Rescues (emergency calls)	4,179
Out-of-city calls	128

CITY OF BOSTON
ADMINISTRATIVE SERVICES DEPARTMENT
PRINTING  SECTION