



Annual Report

of the

**PROVIDENCE FIRE DEPARTMENT**

for the Year Ended

December 31, 1959

The Honorable Commissioner of Public Safety  
209 Fountain Street  
Providence, Rhode Island

Sir:

It is my privilege to submit, for your consideration and approval, the annual report of the Providence Fire Department for the year ending December 31, 1959.

Almost 950 people in the United States lost their lives by reason of fire each month in 1959. It appears that about 30% of the casualties were children, and a great number of these children who lost their lives were unattended in their homes. Including the 1959 loss, fires have taken an estimated 116,000 lives in the past 10 years.

The 1959 U. S. property loss reached the staggering figure of \$1,275,000,000.

The worst loss of life by reason of fire during 1959 occurred in Meldrim, Georgia, when fire and explosion of L. P. gas, following a freight train wreck, killed 23 adults and children. Almost as many died when fire struck a state-operated boys' industrial school at Wrightsville, Arkansas. Of the 68 boys locked in the dormitory, 21 could not escape.

In terms of property loss, the country's worst disaster took place in Roseburg, Oregon, when fire touched off explosives in an unattended truck. The cost was \$10,000,000 and 13 lives. The second largest fire in terms of dollars was the Pentagon fire, which resulted in a loss of \$6,900,000.

The total insurance dollars paid in the City of Providence in 1959 was \$913,237. Insurance losses for the past five years are as follows:

1954.....	\$ 650,216.
1955.....	755,848.
1956.....	2,098,708.
1957.....	1,293,759.
1958.....	<u>789,196.</u>

5 year average -\$1,117,545.

1959 loss.....	<u>913,237.</u>
Decrease.....	\$ 204,308.

The national per capita fire loss in 1959 amounted to \$7.08, and in Providence the per capita fire loss amounted to \$4.08, or 42% less than the national average.

	<u>1957</u>	<u>1958</u>	<u>1959</u>
Still Alarms (Telephone)	2,540	1,809	2,310
Box Alarms	1,096	906	1,075
Multiple Alarms	13	8	3
Total Building Fires	393	342	364
Loss of Life by Fire	5	2	8
Feet of Hose Used	590,775	367,800	397,775
Feet of Ladders Used	23,293	23,122	23,241

In 1959 there were 364 building fires, an increase of 22 over 1958. However, the increase is the direct result of many fires in vacant buildings in the areas of housing and freeway developments.

Following is a list of the three 2-alarm fires which took place during 1959:

<u>DATE</u>	<u>TIME</u>	<u>LOCATION</u>
March 16	12.29 P. M.	Brown University (Maxcy Hall)
April 26	1.45 P. M.	48-50 Nashua Street
October 1	9.48 P. M.	140 Westminster Street

Engineers and others in the fire prevention field have a much better than average appreciation of the time and efforts devoted each year to fire prevention and protection activities. Yet, available statistics indicate that fire losses during recent years in the United States have been increasing rapidly. Finding the loss total for a 5-year average to be decreasing here in Providence is gratifying, and is the exception rather than the rule.

In the fire protection field in the City of Providence, the following basic requirements for all school properties were recommended. To date in most all school properties, these basic requirements have been completed:

A - Other than fire resistive buildings:

1. A complete sprinkler system is required, acting as an automatic alarm system directly connected to the city fire alarm system through a master fire alarm box.
2. Existing internal fire alarm equipment of approved design is to be connected to the alarm system and out-moded unreliable equipment is to be removed.
3. Evacuation bells or fire drill signals are to be sounded automatically by the operation of the sprinkler system.

B - Fire resistive buildings:

1. Fire alarm systems are to be connected to the municipal alarm system through a master fire alarm box.
2. Manual pull stations on each floor of the building are to be spaced not more than 100 ft. between stations.

I would like to call your attention to the report of Chief Norman Jones of the Division of Training, particularly as it applies to a credit course which required applicants to attend voluntarily while in an off-duty status and a satisfactory completion of the 21 hour course. This was a course of study on the Evaluation of Powerful Streams in the attack on Building Fires and the Characteristics of Water Spray (Fog) and Extinguishing Action of Water. The response of 283 applicants was very gratifying and indicates a desire of our

personnel to become officers in this department. It also offered the advantage of knowledge gained for more efficient fire fighting operations.

Another credit course that invoked a good attendance on an off-duty status was a First-Aid Instructors' course, conducted by Mr. Harold Anderson of the American Red Cross. This course was held at the Chapter House. There were 149 applicants for this credit course which required 15 hours of study.

As has been our experience in the past, our rescue service again increased their activities by some 700 calls over the year 1958. The rescue units responded to 7,042 calls in 1959, and made 3,658 transportations to the various hospitals. It appears that the citizens of Providence called on their Fire Department for service of all types 10,620 times, which indeed makes our fire department really an organization of available service.

The average engine company responded to 366 alarms and had 119½ hours of fire service, laying 22,099 feet of hose.

The average ladder company responded to 269 alarms and had 89½ hours of fire service, raising 2,902 feet of ladders.

I would like to take this opportunity to thank you, Commissioner Lennon, and the honorable members of the City Government, for the wonderful support and co-operation given to the Fire Department in 1959.

To all the groups that were active in the Fire Prevention work that resulted in Providence being adjudged as having the best program in our population class and fourth-best in the entire United States, I extend by gratification and deep thanks.

Respectfully submitted,

(SIGNED) LEWIS A. MARSHALL  
Chief of Department.

IN CITY COUNCIL  
FEB 18 1960

READ:  
WHEREUPON IT IS ORDERED THAT  
THE SAME BE RECEIVED.

*R. Everett Whelan*  
CLERK

## PERSONNEL AND EQUIPMENT

15 Engine Companies  
2 " " with Tenders  
1 " and Chemical (Combination)  
8 Ladder Companies  
3 Rescue Companies  
1 Salvage Company

Total Department membership as of December 31, - 499

Appointments-----18  
Retirements----- 5  
Resignations----- 0  
Promotions----- 1  
Transfers-----35  
Commendations-----32  
Reprimands----- 3  
Deaths----- 3

## SUPERIOR OFFICERS

Lewis A. Marshall, Chief of Department

## BATTALION CHIEFS

John E. Butler, Jr.	Norman Jones
James F. Coleman, Jr.	Leonard A. Kiernan
Frank G. Eldredge	James T. Killilea
William E. Falls	Francis J. O'Brien
Carl F. Fliegner	John T. McLaughlin
Leo E. Gorman	Albert J. Sheridan
Walter F. Hannaway	John E. Sullivan
Eugene L. Hawkins	Silverstre F. Shea

Gordon Jones, Superintendent - Automotive Repair Shop

Henry vanWestendorp, Superintendent - Fire Alarm Telegraph

Michael Sabatino, Superintendent - Department of Building Repairs

James A. Cusick, Assistant Superintendent - Automotive Repair Shop

J. Clifton Leighton, Assistant Superintendent - Fire Alarm Telegraph

PERSONNEL AND EQUIPMENT - Cont.

Capt. Fred L. Badger  
Capt. Lawrence A. Bouchard  
Capt. Arthur Brodeur  
Capt. James C. Byrne  
Capt. George R. Carlson  
Capt. Elliot M. Durfee  
Capt. Richard B. J. Farmer  
Capt. Edwin A. Fay  
Capt. Thomas J. Fitzgerald  
Capt. Charles J. Gilchrist  
Capt. George A. Gray  
Capt. Henry C. Maine  
Capt. Joseph J. Mainey  
Capt. Edmond F. Marnane  
Capt. John J. Mohan

Capt. John F. McDonald, Jr.  
Capt. John F. McGwinn, Jr.  
Capt. Thomas O. McLaughlin  
Capt. Carl H. Norberg  
Capt. George H. Nowell  
Capt. Guido Nutini  
Capt. Richard E. O'Leary  
Capt. Vincent T. Reardon  
Capt. John L. Rooney  
Capt. Francis A. Shea  
Capt. Albert E. Skog  
Capt. Daniel F. Stafford  
Capt. Leonard E. Sweeney  
Capt. Robert D. Walsh  
Capt. Frederick J. Ward

Capt. Amos M. Weeden

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Lieut. Russell H. Backman  
Lieut. Howard W. R. Bucklin  
Lieut. James G. Cahill  
Lieut. Joseph A. Carr  
Lieut. Charles A. Cornell, Jr.  
Lieut. Frank J. Day  
Lieut. Leo T. Deuso, Sr.  
Lieut. Joseph F. Dorsey  
Lieut. Edward T. Downing  
Lieut. John J. Falvey  
Lieut. William P. Gardner  
Lieut. Gaetano F. Gaudioso  
Lieut. Donald P. Hackett  
Lieut. Joseph B. Healey  
Lieut. Thomas M. Horiagon  
Lieut. William J. Hughes  
Lieut. William P. Kanaczet  
Lieut. William F. Kelly  
Lieut. Thomas M. Kennedy  
Lieut. Edward J. Kiernan  
Lieut. George E. LaPorte  
Lieut. Leo P. Lavallee  
Lieut. Alfred F. Leach  
Lieut. Frank E. Lopes  
Lieut. George H. Lowe, Jr.  
Lieut. William J. Lynch  
Lieut. Richard H. Lyons  
Lieut. Marice J. Maguire

Lieut. James E. Maher  
Lieut. Clarence B. McCormick  
Lieut. James H. McDermott  
Lieut. John F. McDermott  
Lieut. John F. McDermott, Jr.  
Lieut. John E. McDonald  
Lieut. John B. McGarry  
Lieut. Mathew McKeon  
Lieut. Thomas M. McManus  
Lieut. Joseph H. Mitchell  
Lieut. Joseph V. Morro  
Lieut. John J. Mullen  
Lieut. Robert M. Murray  
Lieut. Austin T. Nagle  
Lieut. Charles W. Oatley, Jr.  
Lieut. William H. O'Connell  
Lieut. John J. O'Haire, Jr.  
Lieut. Edward T. O'Keefe  
Lieut. John F. Oliver  
Lieut. Ettore Patrone  
Lieut. Bartholomew E. Quigley  
Lieut. Alfred J. Reall  
Lieut. James W. Robertson  
Lieut. James J. Roche  
Lieut. Raymond E. Shawcross, Jr.  
Lieut. Robert A. Sullivan  
Lieut. James G. Sylvia  
Lieut. George B. Vieweg

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The apparatus consists of 18 pumpers, (1 combination foamite), 8 ladder trucks, 2 engine tenders, 3 rescue trucks, 1 salvage truck, with 14 triple combination pumpers, 4 ladder trucks, 1 rescue truck, 1 salvage truck, 1 foam wagon and 2 Battalion Chiefs cars in reserve.

<u>COMPANY</u>	<u>TYPE</u>	<u>G. P. M.</u>	<u>DATE</u>
Engine Co. No. 1**	LaFrance	1250	July - 1942
" " " 2	LaFrance	750	April - 1950
" " " 3	LaFrance	750	April - 1953
" " " 4	General	750	December - 1953
" " " 5	LaFrance	750	April - 1950
" " " 6	LaFrance	750	June - 1952
" " " 7**	LaFrance	1250	July - 1942
" " " 8	LaFrance	750	April - 1950
" " " 9	LaFrance	1500	December - 1949
" " " 10**	LaFrance	1250	November - 1945
" " " 11	Ward LaFrance	750	April - 1954
" " " 12	LaFrance	750	April - 1950
" " " 13	General	750	December - 1953
" " " 14	LaFrance	750	April - 1950
" " " 17	Mack	750	December - 1957
" " " 18	Oren	750	September - 1952
" " " 19	Mack	750	December - 1957
" " " 20	General	750	December - 1953

\*\* New motors installed in 1953.

Ladder Co. No. 1	LaFrance Aerial	June - 1942
" " " 2	LaFrance Aerial	October - 1945
" " " 3	LaFrance Aerial	February - 1950
" " " 4	LaFrance Aerial	July - 1956
" " " 5	LaFrance Aerial	March - 1946
" " " 6	Seagrave Aerial	September - 1954
" " " 9	LaFrance Aerial	December - 1951
" " " 10**	LaFrance Aerial	October - 1937

\*\* New tractor 1947.

Engine Tender No. 7	G. M. C.	December - 1950
Engine Tender No. 9	Ford C. O. E.	August - 1950

Rescue Co. No. 1	Scott-White	October - 1951
Rescue Co. No. 2	Chevrolet (2½ Ton)	June - 1954
Rescue Co. No. 3	Ford C. O. E.	June - 1957

Salvage Co. No. 1	Studebaker (1½ Ton)	February - 1953
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Reserve Apparatus and Location

Reserve Engine No. 2	At Engine Co. 2	1925
Reserve Engine No. 3	At Engine Co. 3	1927
Reserve Engine No. 4	At Engine Co. 4	1927
Reserve Engine No. 5	At Engine Co. 5	1925
Reserve Engine No. 6	At Engine Co. 6	1927
Reserve Engine No. 12	At Engine Co. 12	1926
Reserve Engine No. 14	At Engine Co. 14	1923
Reserve Engine No. 17	At Engine Co. 17	1927
Reserve Engine No. 19	At Engine Co. 19	1953
Reserve Engine No. 20	At Engine Co. 20	1924
Reserve #1	At Training Division	1925
Reserve #2	At Training Division	1918
Reserve #1	At Repair Shop	1927
Reserve #2	At Repair Shop	1925
Reserve Ladder #4	At Ladder Co. 4	1950
Reserve Ladder #3	At Engine Co. 5	1929
Reserve Ladder #6	At Engine Co. 18	1927
Reserve Ladder #8	At Engine Co. 19	1925
Reserve Rescue	At Rescue Co. 3	1939
Reserve Salvage	At Engine Co. 12	1938
Reserve Foam Wagon	At Engine Co. 18	1938
Reserve Battalion Chief Wagon	At Repair Shop	1951
Reserve Battalion Chief Coupe	At Repair Shop	1951



CAUSES OF FIRES AND ALARMS

For fires in buildings:

Candle-Lamp-torch	15
Careless use of matches	18
Careless smoking	81
Careless smoking in bed	3
Defective boiler-furnace	2
Defective chimney	6
Defective electric appliance	3
Defective gas stove	2
Defective gas heater	1
Defective range oil burner	9
Defective power oil burner	2
Defective space oil heater	8
Defective smoke pipe-flue	2
Defective wiring	7
Explosion	4
Fireworks	3
Food-grease	11
Incendiary	2
Range oil burner-flareback	1
Range oil burner-overflow	5
Power oil burner-overflow	1
Power oil burner-flareback	1
Overheated exhaust pipe	1
Overheated boiler-furnace	1
Overheated electric flat	2
Overheated oven	1
Overheated stove pipe	1
Overheated tar kettle	1
Rags on pipes, etc.	1
Set by juveniles	39
Short circuit-wires	16
Short circuit-electric motor	3
Spark from chimney	4
Spark from motor-machine	1
Spark from rubbish fire	29
Spontaneous combustion	1
Struck by lightning	3
Suspicious	27
Miscellaneous	7
Undetermined	39
	<hr/> 364 TOTAL

RECORD OF ALARMS FOR FIRES IN BUILDINGS

Residential	261
Non-Residential	17
Mercantile	46
Manufacturing	20
Storage, etc.	17
Miscellaneous	3
	<hr/> 364 TOTAL

Causes of fires and alarms - continued.

Other than for a fire in a building:

False Alarms (Box)	465	Overheated boiler-furnace	13
False Alarms (Still)	78	Overheated electric motor	33
Accidental-needless	265	Overheated oven	6
Candle-lamp-torch	8	Overheated tar kettle	4
Careless use of matches	8	Rags on pipes, etc.	3
Careless smoking	84	Rubbish-litter	23
Careless smoking in bed	10	Set by juveniles	12
Cleaning solvent	1	Short circuit-wires	48
Defective boiler-furnace	10	Short circuit-electric motor	26
Defective chimney	6	Short circuit-television	25
Defective electric appliance	15	Soot in chimney	20
Defective gas stove	6	Spark from motor-machine	1
Defective gas heater	3	Spark from rubbish fire	2
Defective range oil burner	23	Spontaneous combustion	2
Defective power oil burner	42	Struck by lightning	3
Defective portable oil heater	3	Suspicious	4
Defective space oil heater	19	Undetermined	1
Defective smoke pipe-flue	1	Auto-truck-bus, etc.	393
Defective machinery	2	Boat	2
Defective wiring	4	Bonfires	50
Dust-lint	6	Bridges	4
Explosion	3	Dumps	78
Fireworks	1	Fences	10
Food-grease	49	Grass-brush-leaves	630
Incindiary	1	Junk yard	6
Range oil burner-flareback	9	Lumber yard	1
Range oil burner-overheated	1	Rubbish-litter	506
Range oil burner-overflow	40	Tree-pole	55
Space oil heater-overflow	24	Oil bomb in street	14
Power oil burner-overflow	9	Miscellaneous	28
Power oil burner-flareback	15		
		TOTAL	3,214

Rescue and emergency runs 7,042

Total building fires	364	
Total other than bldg. fires	3,214	
	<u>3,578</u>	TOTAL OF ALARMS FOR FIRE
Rescue & emergency alarms	<u>7,042</u>	
	10,620	GRAND TOTAL OF ALL ALARMS

Multiple alarms of fire - 2nd. alarms - 3  
Multiple alarms of fire - 3rd. alarms - 0

Deaths caused by fire - 8

NUMBER OF ALARMS DURING EACH HOUR

<u>HOUR</u> <u>A. M.</u>	<u>ALARMS</u>	<u>HOUR</u> <u>P. M.</u>	<u>ALARMS</u>
12-1	103	12-1	215
1-2	97	1-2	217
2-3	57	2-3	243
3-4	36	3-4	226
4-5	40	4-5	279
5-6	20	5-6	245
6-7	34	6-7	211
7-8	63	7-8	196
8-9	95	8-9	232
9-10	141	9-10	220
10-11	135	10-11	162
11-12	186	11-12	125
			<hr/> 3,578 TOTAL

NUMBER OF ALARMS DURING EACH DAY

Sunday	498
Monday	437
Tuesday	493
Wednesday	504
Thursday	504
Friday	533
Saturday	609
	<hr/> 3,578 TOTAL

The following is the statistical summary of the activities of the fire fighting force of the Department for the year ending December 31, 1959.

Working time of companies at fires - 6,352 hrs. 41 mins.  
 Working time at dumps - 132 hrs. 27 mins.  
 Working time of pumpers at fires - 135 hrs. 4 mins.

HOSE LINES USED:

Booster No. of lines used	401	Total feet of hose	52,075
1½" hose " " " "	1,538	" " " "	212,350
2½" hose " " " "	408	" " " "	99,250
3" hose " " " "	138	" " " "	34,950

LADDERS USED:

Aerial Ladder	- No. used - 56	Total feet - 4,895
Portable Ladders	- No. used - 1,053	Total feet - 22,856

EXTINGUISHERS USED:

Foam	- 16
Soda & Acid	- 5
Pump tanks	- 324
Dry chemical	- 7
Carbon dioxide	- 181
Carbon tetrachloride	- 26

OTHER EQUIPMENT USED:

Salvage covers	- 517
Bundles of laths	- 61
Rolls of roofing paper	- 118½
Homelites	- 71
Generators	- 42
Smoke ejector	- 146
Sprinkler heads	- 29

EXTRA HOURS AND LOST TIME:

Extra hours of duty performed	2,250 hrs. 34 mins.
Time in attendance at drills	2,339 hrs. 35 mins.
Time lost by members through sickness	39,105 hrs. 15 mins.
Time lost by members through injuries	28,656 hrs. 20 mins.
Special time granted	1,253 hrs. 50 mins.

INSPECTIONS:

RESIDENTIAL:

(dwellings, apartments, rooming houses, etc.) 117,932

NON-RESIDENTIAL:

(theaters, churches, hospitals, schools, etc.) 2,408

MERCANTILE:

(retail stores, restaurants, repair shops, etc.) 4,361

MANUFACTURING:

(factories, bakeries, laundries, etc.) 1,155

STORAGE:

(warehouses, piers, etc.) 232

MISCELLANEOUS:

(power plants, pumping stations, etc.) 158

HYDRANTS:

37,459

APPROVALS AND PERMITS:

Gasoline 1,966

Garages 1,117

Dangerous chemicals 614

### NECROLOGY

Three active member and seven pensioned members died during the past year:

Private Andrew F. McDonough, Active Member - Died May 3, 1959  
Private Lloyd E. Roberts, Active Member - Died May 16, 1959  
Private Henry J. Lyons, Active Member - Died October 10, 1959

### PENSIONED MEMBERS

Charles A. Roberts - died May 29, 1959  
Albert A. Duhaime - died June 29, 1959  
Joseph F. McDonald - died June 29, 1959  
James J. Lyons - died October 31, 1959  
William F. Kelley - died November 9, 1959  
George H. Webber - died November 14, 1959  
John A. Warren - died December 12, 1959

FROM: Leo E. Gorman, Battalion Chief, Bureau of Fire Prevention.

TO: The Chief of Department.

SUBJECT: Annual Report.

Sir:

I herewith submit for your consideration and approval the following report of the Bureau of Fire Prevention for the year ending December 31, 1959.

There was several changes in the personnel of the Bureau during 1959. Inspector Thomas Pendergast retired and was placed on the pension rolls of the Department. Inspector Edouard Sylvestre was transferred to the Bureau of Operational Control. Replacing them were Inspectors Salvatore Santoro from Ladder Co. No. 6 and Joseph R. Jansen from the Bureau of Operational Control. At the present time the personnel of the Bureau is as follows:

Battalion Chief Leo E. Gorman  
Captain Thomas J. Fitzgerald  
Inspector Warren R. Kirk  
Inspector William H. Martin  
Inspector Frederick J. O'Brien, Jr.  
Inspector Joseph P. Leddy  
Inspector William H. Maher  
Inspector Louis Gorodetsky  
Inspector Earl H. Goodison  
Inspector Anthony Costa  
Inspector Salvatore Santoro  
Inspector Joseph R. Jansen

The Bureau sponsored several Fire Prevention exhibits at several public showings during the year. It also presented numerous demonstrations before civic, fraternal and private organizations. A complete report of these activities will be found at the end of this report.

It was very gratifying to learn that the City of Providence won first prize in its population class in the Fire Prevention contest sponsored each year by the National Fire Protection Association in Boston, Massachusetts. As mentioned in the newspaper release announcing the award one of the deciding factors that led the judges to award the prize to Providence was the excellence of the Fire Departments' School Safety program. This feature of our year round Fire Prevention activities has always been of prime importance to the Bureau. Proof of this is the fact that the Sears-Roebuck Foundation made a grant of \$2,500 to the Providence Fire Department to continue its school fire safety education program. As far as can be determined the Providence Fire Department is the second Fire Department in the United States to receive such a grant.

Following is a complete report of the compiled activities of the entire Bureau for the year 1959:

INVESTIGATIONS: (of complaints received)

Complaints corrected	1166
Complaints unjustified	59
Buildings razed	153

Buildings repaired	74
Referred to Health Dept.	15
Referred to Bldg. Director	145
Referred to Electrical Insp.	11
Request of occupants	110
Defective chimney-smoke pipe and heating plant	78
Fire escapes-Panic bolts, etc.	22
Obstructed exits	64
Open exposures	204
Burning rubbish	761
Rubbish condition corrected	643

FIRES:

Fires investigated	1319
Suspicious fires	57
Referred to Juvenile Div.	16
Fire Losses investigated	524

PLACES OF PUBLIC ASSEMBLY:

Bingoos	423
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INSPECTIONS: (Regular)

Original inspections	2817
Re-inspections	1688
Theaters	180
Convalescent Homes	5
Nursing Homes	6
Homes for children	15
Hospitals	11
Schools	302
Orphanages	4
Gasoline applications	38
Gasoline tanks	12
Storage of fuel oil-bulk	3
Dangerous chemical applications	58
Fire escapes	373

DEMONSTRATIONS-LECTURES-ETC:

Fire Prev. Demonstrations	142
Fire Prev. Demonstrations-Attendance at	15,620
Moving Picture showings	41
Moving Picture attendance at	15,090
Lecture-talk	73
Lecture-talk-attendance at	9,922
Conferences attended	4
Radio Broadcast	5
Television Broadcast	5
Fire Drills conducted	132



MISCELLANEOUS:

No smoking signs issued	441
Photographs taken	1590
Extra hours worked	520
Pamphlets distributed	15,454
Posters distributed	1,506
Public displays set up	12
Fire extinguishers recharged	12

Respectfully submitted,

(SIGNED) LEO E. GORMAN  
Chief, Bureau of  
Fire Prevention.

FROM: Norman Jones, Battalion Chief, Division of Training.

TO: The Chief of Department.

SUBJECT: Annual Report.

Sir:

In accordance with administrative policy pertaining to activities of the Division of Training for the year 1959, I respectfully submit herewith, my annual report.

CREDIT COURSE.

As we agreed during the latter part of December 1958 to conduct a course of study on the "Evaluation of Powerful Streams in the attack on large Building Fires", also the "Characteristics of Water Spray (Fog) and Extinguishing Action of Water", an announcement was made to that effect which included the regulations under which it was to be conducted.

In order to obtain credit, compliance with the Division of Training regulations required applicants to attend voluntarily while in an "Off Duty" status and satisfactory completion of the twenty-one hour course.

Because of the occurrence of large building fires (locally) have been the exception rather than the rule, it was deemed necessary to evaluate some of the fundamentals of science in the use of powerful streams in the attack on this particular type of fire, as a refresher course for the older and more experienced men, and as a preparatory measure for those possessed of less knowledge in this phase of attack.

Considered equally important, because of its more recent use in the field of operations, was the characteristics of water spray (Fog) and the extinguishing action of water in this form.

Although engineers are not - at the present time - entirely satisfied with the degree of excellence attained in the production of fog nozzles, the type we have in use have given very satisfactory results on the fire ground. Consequently, further study was made of this subject.

Covering both subjects created ample opportunity to dwell on the relative effectiveness of solid and fog streams. Yet, a number of questions regarding the tactical employment of both types of streams could be asked but I feel quite sure that further study and experience should make evident the benefit derived therefrom.

Instructions covered the definition, mechanics, stages and phases of fire; phenomena of expansion by heating and contraction by cooling; methods of heat transmission, conduction, convection, and radiation; heat absorbing quality of water compared with other extinguishing agents; the B.T.U., boiling and kindling points; heat transference; size-up; use of solid streams - hand lines and master streams - quality and effectiveness - beneficial or damaging -; approximate calculations for angles of streams, range and penetration, evaluation and effect, and the physiological effect on firemen of the products of combustion. Use of

hand lines and master (Fog) streams, advantages in its application, conservation of water, reduction of water damage. Some chemical hazards, Oil fires. Application of Foam and ratios of expansion.

Courses commenced; Jan. 5, 1959. Concluded: Mar. 5, 1959

Applicants responded as follows:

Total applicants	283
Attended --- Captains	9
Lieutenants	36
Privates	220
TOTAL	265

Failed to attend or to complete - 18

Total hours of instruction - 189 Total man hours - 5,601

Interest in certain phases was manifest by attendance of several Battalion Chiefs who's total time accounts for 36 of the Total man hours.

Those who satisfactorily completed the course received a credit award of two points in accordance with the Division of Training Rules and Regulations (Reg. 17, Section 2, Par.F).

The evident success of this course indicates a desire for further instructions.

#### 19th. TRAINEES SCHOOL.

With vacancies in personnel indicating the need for recruitment, your decision to conduct another trainees school induced action preparatory to its accomplishment.

Usual procedure regarding notification of the deadline for applicants was followed.

Prior to the competitive written examination, applicants who lacked only scholastic certification sufficient to meet the minimum standards required, were given an opportunity to meet this standard by appearing before the Equivalency Board for examination on March 5, 1959. Those who failed to qualify in this respect will be kept in an unaccepted status until scholastic standards are attained.

Subsequent to conducting the written examination for all qualified applicants which involved 133 competitors, the first 17 highest scorers plus 2 men from the 18th. Class pending physical re-examination, were notified to report to the Division of Training for physical examination by Department-Chief Surgeon Dr. Arthur Rattenni and Deputy Surgeon Dr. Joseph M. Parrillo on Tuesday April 7, 1959 at 9.30 A. M.

One withdrawal, the failure of another upon re-examination, and the temporary rejection of a third man on an overweight basis resulted in the next two men on the list being called for physical examination.

Successfully passing all tests, these two, brought the total number to eighteen fully qualified men, the number considered sufficient to fill existing vacancies and maintain numerical strength in the department.

The 19th. Trainees School convened on May 18, 1959 for a period of six months.

Consistent with practices established on inauguration of this School, their first thirteen weeks of training and instruction was devoted to Basic and Unit Training.

During this period examinations were given on the subjects taught. Besides this, an opportunity to evaluate each candidates physical quality, aptitude, adaptability, and particularly his attitude, was provided while being trained in the basic evolutions adopted for fireground operations.

Upon completion of these two phases, the third phase of Advanced training began.

A thirteen week schedule was so arranged that each trainee received training under various officers in charge of Engine, Ladder and Rescue companies in all Battalions.

Evaluated rating forms supplied by this Division were marked by officers in charge and returned on a weekly basis. An average of scores attained in this manner were then added to points already acquired.

With the conclusion of training, final compilation of points acquired were credited to each trainee and recorded in accordance with the Rules and Regulations of this Division.

Your acceptance of certification of the eighteen men who began and successfully completed the course, resulted in their being sworn in and permanently appointed to the Department on November 18, 1959.

#### ANNUAL PUMP AND HOSE TEST.

Continuation of the established custom of annual pump testing and recording of performance data commenced on June 1st, 1959 in accordance with General Order #15 Series 1959 and was completed by July 3rd, 1959.

Reporting as ordered to the pump test pit in the Drill Yard, all pumpers in the department were subjected to a (service) test, to determine ability to discharge rated capacity at rated engine and pump speed required by the National Board of Fire Underwriters.

Overall condition of engines and pump accessories were thoroughly checked under the supervision of the Supt. of Automotive Maintenance.

Performance data and condition of the unit - regarding cleanliness and equipment was recorded.

In instances where pumps or engines failed to meet requirements, adjustments and repairs were immediately made by Automotive Maintenance personnel and the pump or engine retested to assure its compliance with performance requirements.

<u>PUMPS TESTED</u>	
First-line Engines	18
Reserve Engines	<u>14</u>
Total tested	32

Reserve Engine #1829 assigned to the Division of Training failed to meet N.B.F.U. requirements. Considered - OBSOLETE.

Prior to pump tests, under surveillance of Division of Training personnel, the hose carried by each unit reporting, plus their reserve supply, hose on Tenders and Reserve Apparatus and all inventory from the Hose Repair and Supply Room was tested according to N. B. F. U. Standards for reasonable assurance that dependency can be placed on the delivery of water under high pressure to to hand lines, a variety of master stream appliances, and to sprinkler systems and standpipes with which a considerable number of buildings in the city are equipped.

Hose that burst and porous hose, some of which could be used as shortened lengths or soft suction hose, was returned to the Hose Repair Room for disposal.

Usual procedure regarding reports of these tests were undertaken by Commanding Officers of each unit.

Our record indicates that a total of 80,600 feet was tested.

All hose was laid out, pieced-in, picked up and repacked in hose compartments or rolled and loaded on the supply truck for transportation, by the Trainees.

#### SUMMARY

<u>3" Hose</u>	<u>2½" Hose</u>	<u>1½" Hose</u>
350 Sections or 17,500 Ft.	870 Sections or 43,500 Ft.	392 Sections or 19,600Ft.
Burst: 2	Burst: 33	Burst 1
Porous: 3	Porous: 16	Porous 5

#### TRAINEE ASSIGNMENT - NATIONAL HOLIDAY

As it is customary to utilize the potential of Trainees when sufficiently trained and equipped to participate in situations that may require or demand their services, the assignments received for the 3rd., 4th., and 5th. of July were fulfilled to the extent of your directive.

Officers detached from combat service on assignment to this Division as assistant Drillmasters were placed in charge of the units responding, subject to direction of Chiefs of Battalion to which they were assigned.

During this period, the value of utilizing this potential became preceptable be their involvement in the extinguishing of twenty bonfires and in rendering commendable service in the extinguishment of two structural fires.

This, I would say, is continuity of the satisfactory service rendered by Trainees under similar circumstances in the past.

#### RADIATION AND MONITORING

Your interest in the fire services current and ever increasing problem of coping with radioactive material, stored and being used in industry, laboratories, and hospitals, was no doubt the determining factor in issuing a directive to conduct a course in the fundamentals of Radiation and Monitoring in the fire service for better understanding and to allay any unwarranted fear of its potential.

Plans for a course commensurate with this problem are at present in process. But encountering some difficulty in obtaining the necessary equipment - which

is under governmental control - with which to teach and train to a degree of satisfaction, is time consuming. Time also is necessary requisite in the production of teaching aids that are not readily obtained.

When these problems are overcome - insofar as they can be - an announcement in accordance with your directive will be forwarded to the entire department.

#### MISCELLANEOUS ACTIVITIES

As directed by you, Personnel of this Division and/or Trainees participated in the following:

1. Assisted with preparations for blood donors to Blood Bank, jointly conducted by the V. F. W. and the Local #799 I. A. F. F. with the cooperation of the R. I. Hospital at Division of Training Headquarters, Sunday May 10, 1959.

2. Attended C. D. Course on Radiology and Monitoring, May 14, 15, and 16, 1959 at C. D. Headquarters, Oxford & Burnside Street.

3. Attended lecture of L. P. Smith (Hydrants) by factory representative Lawrence Donahue, given at Division of Training Headquarters.

4. Participated in Fire Prevention Week activities with demonstration by Trainees in Drill Tower Evolutions.

5. R. I. Firefighters Academy sponsored by R. I. State Board of Education, October 10, 11, and 12, 1959. "Fire Service Hydraulics" (21 hrs. course) given by Drillmaster and Instructor.

6. Attended C. D. Course in Radiology and Monitoring - E I T C Office of Civil and Defense Mobilization, Brooklyn, New York. October 18 to 23 inclusive.

In addition to other activities mentioned in this report, time was utilized as follows:

Instructing personnel seeking help (on their "Off Time") with studies pertaining to fire service.

Obtained from the National Board of Fire Underwriters and distributed to all units, a sufficient number of copies of Fire Department Pumper Tests and Fire Stream Tables for use by company officers, pump operators, and other personnel.

Maintained personnel records and attended to other routine matters.

Mimeographed - upon requisition - several kinds of (Report Forms) used by the Combat Division.

Spent considerable time on research and developing teaching aids in preparation for prospective directives.

Note: The services, on a temporary basis, of other members of the Department being required at times, to assist in fulfilling your directives, induces an expression of gratitude to all who were involved. Particularly so, to Messrs., John J. Cronin and Guido Cerilli who gave gratuitously, their time as members of the Equivalency Board.

Respectfully submitted,  
Norman Jones  
Battalion Chief.

FROM: Francis J. O'Brien, Chief of Bureau of Operational Control.

TO: The Chief of Department.

SUBJECT: Annual Report.

Sir:

The following is the report of activities of the Bureau of Operational Control for the year ending December 31, 1959.

The duties of the members of this division consists of receiving alarms via telephone and fire alarm equipment, the rapid dispatching of proper apparatus, and accurate transmission of alarms, the relaying of important messages between various divisions of the department and on many occasions, using their experienced judgment in extreme emergencies because delays or mistakes can be costly or fatal. They also operate the department's extensive two-way radio system, and conduct daily routine test of fire alarm equipment, such as taking circuit readings and entering same on sheets provided. The fire alarm box test are conducted daily and a record of same is kept on file at this office. In addition to the aforementioned this division takes a very important part in the Civil Defense Warning System in the city of Providence.

During the past year a grand total of 10,620 alarms and emergency calls (telephone and box) were received and transmitted to the department over the vocalarm, radio and coded systems, in addition to handling all the inter-departmental communications through the fire alarm telephone switchboard.

Of the 10,620 calls received 9,545 was received by telephone. The telephone is a handy way of sending an alarm, but the possibility of mistakes is very great. There is always the chance of mistaken address due to the similarity of sound of streets, the human factor is more likely to have an effect upon the speed and accuracy of transmission than any other means. All telephone calls received at this office are recorded on the dictaphone electronic recording machine which automatically records all communications. This recorder is invaluable in solving differences of opinion, between the person calling and the operator on duty at the alarm office. However, in spite of the possibility of mistakes I am happy to report that all telephone calls received were transmitted to the department without delay.

As this division is responsible for the effective and accurate dispatching of department units and personnel, it is my privilege to report the dispatching of department units to alarms of fire and other emergencies during the past year has been very satisfactory.

Respectfully submitted,

(SIGNED) Francis J. O'Brien, Chief  
Bureau of Operational Control.

FROM: Henry van Westendorp, Superintendent of Fire Alarm.

TO: The Chief of Department.

SUBJECT: Annual Report.

Sir:

As in past years, the first call of the Fire Alarm Division has been the maintenance of the existing system and this has been done to the best of our ability. The prompt receipt and transmission of alarms is of primary importance to us and a considerable percentage of our time has been devoted to this work. This work requires us to replace a considerable amount of both aerial wire and underground cables in the course of each year as at the present time we have about 129 miles of open aerial wire in service as well as about 85 miles of underground cables. These cables carry between 4 and 100 conductors depending on the areas serviced.

These cables have an average life expectancy of about 25 years and at the present time, we are replacing cables that have been in service for a considerably longer time than that. This work occupies the attention of 4 of our men for almost 100% of the time.

These cables carry all of the police boxes in the city as well as the various types of circuits in use in the Fire Alarm System and they must be constantly be supervised to avoid anticipated troubles before they get out of hand. It is due to this supervision that we have very few failures and during the past year, we had no failures that could have been prevented beforehand.

The past year has been one of great activity in the installation of Master Fire Alarm Boxes and the conversion of other types of boxes to the Master type. This has been mostly in schools but it has also spread to commercial and industrial installations as well. By the use of a Master type box, it is possible to transmit an alarm automatically to Fire Alarm Headquarters either through a water flow detector in the sprinkler system or by the use of heat detectors. This type of installation is now a part of the Building Code in the City of Providence and must be used in all school buildings and also in other types of occupancy of certain categories. This is a step in the right direction and should lead to a considerable decrease in fire losses especially in buildings where there is no watchman service.

During the past year the number of new installations, conversions to Master type boxes and box removals can be summarized as follows:

New Master Boxes in Private Installations	14
New Manually Operated Boxes in Private Installations	1
New Street Boxes	2
Privately Owned Boxes Converted to Master Types	12
Boxes Removed from Service - Privately Owned	4

At the present time, there are in service in the City of Providence a total of 930 Fire Alarm Boxes, of which 265 are Privately Owned and 665 are Public Street Boxes.



There are at the present time 167 Police Call Boxes in service and I again want to urge the consideration of my previous recommendation that a number of these boxes be replaced due to abselescence. There is a considerable number of the Police Boxes in service which are up to 50 years old and at the present time, it is impossible to obtain replacement parts for them as they have been out of manufacture for several years. In the Budget which I prepare each year, I have repeatedly asked for new equipment in this line and on only two occasions has this item been allowed. At the present time, if breakdowns continue, the time will soon come when it will be necessary for us to put certain Police Call boxes out of service as we will have no replacements for broken or worn out parts.

I therefore again request that consideration be given to reinstituting the practice of purchasing a number of these boxes during each fiscal year so that in time it will be possible for us to replace all of the obsolete equipment.

Another important duty of the Fire Alarm Division is the maintenance and repair of the Fire Department radio network. This in itself requires the attentions of most of the time of one man. In addition to the equipment owned by this Department, we also maintain the 4 mobile units installed in the ambulances of the Rhode Island Hospital and the Base Stations and the 5 mobile units of the Providence Civil Defense Council. All in all, there are 5 Base Stations and about 70 Mobile Units in the combined networks.

The maintenance and repair of all of the electrical equipment in both the Fire and Police Departments is another duty of this Division and this has been carried out during the past year. In connection with this item, I would recommend that this Division be assigned the purchasing of the electrical equipment which is used in the Headquarters Building. Up to now, this material has been purchased by the Superintendent of the Headquarters building and the work has been done by this Division. I make this recommendation with the idea of standardizing on the equipment used and I believe that it will tend to greater efficiency in the maintenance and repair work.

At this time, I urge that some consideration be given to the setting up of a reasonable classification system for the personnel of this Division. At the present time, a new man can be hired and start in on his first day at the same rate of pay that is being paid to an experienced employee who has had a number of years of service. In addition to the above, I also believe that some sort of a grade system should be allowed wherein a man who is in charge of an operation or who might be in charge of several men who work under his supervision should be paid according to his ability and the responsibilities that he is called upon to assume. The Fire Alarm and the Police Signal Systems being a highly technical installation, require trained technicians to maintain and keep it in top operating condition and this necessity should be kept in mind when a classification grading is put into effect.

Respectfully submitted,

(SIGNED) Henry van Westendorp  
Superintendent of Fire Alarm.

FROM: James A. Cusick, Ass't. Supt., Automotive Repair Shop.

TO: The Chief of Department.

SUBJECT: Annual Report.

Sir:

I respectfully submit for your approval the following report of the Automotive Repair and Maintenance Division for the year ending December 31, 1959.

During the year as in the past the Division has been responsible for the upkeep and maintenance of all the automotive units of the Department. We have also maintained and serviced portable pumps, portable lighting units and many other appliances used by the Department. Also the supervision of all units in the annual service tests and hose tests, multiple alarm fires and other emergencies.

Many jobs of a minor nature are completed at company quarters, at fires or on the spot repairs for road mishaps. Any work of a major nature is performed at the Repair Shop.

The following is a summary of jobs completed during the year:

Engines Rebuilt	10	Battery changes	960
Transmissions Rebuilt	6	Oil changes	320
Differentials Rebuilt	3	Lubrications	295
Motor Inspections	30	Minor repairs	1325
Clutches	10	Major repairs	18
		Fire pumps	4

Respectfully submitted,

SIGNED) James A. Cusick, Ass't. Supt.  
Automotive Repair Shop.

FROM: Eugene L. Hawkins, Battalion Chief, Carpenter Shop.

TO: The Chief of Department.

SUBJECT: Annual Report.

Sir:

The following is the Annual Report of the Carpenter Shop for the year 1959. This division builds and repairs equipment necessary to maintain efficiency within the Fire and Police Departments.

Ladders on five regular trucks and one spare truck were checked thoroughly. Broken beams and rungs were replaced where necessary. All ladders were given two coats of varnish. In order to keep our ladders in first class condition, this procedure should be followed annually.

During the year this division took over the replacement of ropes on extension ladders which was formerly done in the various fire stations. The amount of rope replaced on ladders was 1,654 feet. It is advisable that the rope on ladders be changed every five years.

A total of 225 feet of new ladders were built which included extension, folding, roof and step ladders. A total of 650 feet of ladders were repaired. 2717 feet of ladders were given two coats of varnish.

A large number of handles were made for plaster hooks, pull-over rakes and shovels.

Thirty-five handles were put in fire axes and fifty axes were sharpened.

Forty-five pieces of furniture, including desks, chairs and tables were repaired for various stations.

Installed shelves in two Basement Rooms of the Fire Alarm Building to hold spare equipment.

The following items were made during the year:

Three easel and two wall type blackboards.

Two--five foot sections of cable jumpers for Fire Alarm Division.

Two platforms for use under Vocal Alarm Desk.

Twenty boxes for hand lights and hot water cans.

New bottom section for 12' overhead door at Engine Co. #2.

New screens and screen doors.

Three clothes hampers.

Four creepers with casters.

Three platforms for portable electric stoves.

Six large supply boxes.

A number of screens and screen doors were recovered with new screening.

Made a large supply cabinet and a small table for Chief #1's office.

Repaired and refinished a flat top desk for Chief #2's office.

Made table and bulletin board for Chief #2's office.

New vises were installed on work benches at Engine Co. #5 and #12.

Made five 4' long caps to fit over cornice on Fire Stations to prevent ladders from being damaged when placed against building while the firemen are drilling.

Put flooring in compartment that holds salvage covers on Tender #7.  
Each year preceding Fire Prevention Week a certain amount of time is spent making and installing signs.

Made the following items for the Police Department:

Fifty-five collapsible street horses. (Traffic Division)  
Table 53 x 30 x 30½. (Radio Room)  
Cabinet 7' x 48 x 16 with seven shelves. (Battery Room)  
Three boxes 35 x 8 x 3. (Battery Room)  
In and Out Service Board with 90 sliding blocks. (Radio Room)  
Three filing boxes.  
Cabinet to hold typerwriter stencils.  
Turned thirty-six night sticks.  
Cabinet to hold Riot Guns.  
Two large frames to hold pictures.  
Repaired eleven swivel chairs.  
Two cabinets 28 x 36 x 12 containing compartments and sliding drawers to hold equipment. These cabinets were installed in Sedan belonging to Bureau of Criminal Investigation.

Made the following items for Civilian Defense:

One speaker's lectern.  
One 4' x 6' easel type blackboard.

Made the following for Family Relocation Service:

Framed eight 30 x 36 maps.

Respectfully submitted,

(SIGNED) EUGENE L. HAWKINS  
Chief, Carpenter Shop.

FROM: Michael Sabatino, Superintendent, Building Repairs.

TO: The Chief of Department.

SUBJECT: Annual Report.

Sir:

I hereby submit the operational report of the Department of Building Maintenance and Repairs for the year 1959.

This department is responsible for the maintenance and repairs of the Police and Fire Department Buildings throughout the City of Providence. During 1959 as in the past few years there has been considerable amount of repairing and redecoration accomplished with the cooperation of the men of this Department. The following is a brief summary of this work.

The exterior of the following Police and Fire Stations were repainted and redecorated: Hartford Avenue, Broad Street, North Main Street, Allens Avenue, Messer Street, Branch Avenue, Point Street and all the garage overhead doors at Chad Brown Street.

The complete interior of the following Fire Stations were also redecorated: Broad Street, Atwells Avenue, Messer Street, Branch Avenue and North Main Street, the apparatus floor at Admiral Street, Hartford Avenue, Allens Avenue, and also the Hose Room and parts of the interior of the station at Brook Street. We also redecorated the Chief's Quarters at LaSalle Square and the complete apparatus floor including the ceilings. At Allens Avenue we redecorated the complete interior of the garage. At Humboldt Avenue we repainted the stairway to the second floor and also the second floor ceilings. At Mt. Pleasant Avenue we painted the stairway, two ceilings and all the floors on the second floor. At Point Street we painted the apparatus floor, and lavatory, the shower stalls and also parts of the Captain's room.

Boilers, boiler rooms and stairways leading to same were painted at the following stations: Allens Avenue, Broad Street, Hartford Avenue, Messer Street, Branch Avenue, Brook Street, North Main Street and Admiral Street. The vocalarm desks were repaired and sprayed at the Brook Street, North Main Street and Admiral Street stations.

In the Police Department we redecorated the Captain's office, the stairway on the west end of the building and are now in the process of redecorating the traffic division.

Kitchen counter tops were replaced and covered with a formica type covering at the Broad Street, Hartford Avenue, Branch Avenue, Admiral Street, Franklin Street and Atwells Avenue Stations. Also a stainless steel protector was applied to the wall behind the stove at Admiral Street Station. Wall cabinets and shelves were made and installed for the Captain's room on the second floor of the Police Department. A new clothes rack was made and installed at the Point Street Fire Station. Masonite was applied to parts of the walls on North Main Street for protection to the walls. The bottom section of the overhead door at the Brook Street station was removed by this department, a new one was made at the carpenter shop and we installed same. Many broken sash cords were replaced and windows in various stations. We also replaced about seventy-five broken lites of glass.

Entrance doors were removed and repaired at the Atwells Avenue station, Hartford Avenue, Broad Street, Allens Avenue and Admiral Street stations. New metal sliding pole enclosure sections were made and installed by this department at a considerable saving to the city. Many repairs and adjustments were made to various overhead doors throughout the department. Numerous worn asphalt tiles which created a hazard to the safety of the personnel of the department were replaced. Sixty new hydrant standard signs were made by this department and distributed to various fire stations.

New kitchen sinks were installed at Branch Avenue and Admiral Street station including all new fittings. A new trap and sewer line was installed in the traffic garage of the Police Department. Three water closets were replaced in the Police Department; one in the matrons room, one in the cell block and one on the second floor. A new cold water line was installed at the Point Street station. A new gasoline vent pipe was installed and extended to above the roof at the Atwells Avenue station. Sloan flush valves and air vent valves were replaced at various stations and broken water glass gauges were replaced on various heating units. Many clogged urinals were repaired and sewer lines were freed at various stations. Steam lines were replaced including the underground lines at Academy Avenue and Rochambeau Avenue stations. Shower drains were freed and a new toilet seat installed at the C. Y. O., Point Street. The boilers and oil burners of all Police and Fire Department Buildings were cleaned and adjusted for the coming winter months. Fusol was added to all fuel tanks and Rust Buster was applied to all heating units. Defective pipe covering was replaced at the Messer Street station.

All lawns were top-dressed, fertilized and re-seeded including the police pistol range in Scituate. All lawn equipment is maintained and distributed by this department. Many shrubs were replaced at Rochambeau Avenue, Brook Street, North Main Street, Branch Avenue and Admiral Street stations.

A new "bonded" roof was applied to the Broad Street station and also the Admiral Street station. There were also many minor repairs made to fire stations roofs by this department.

A plow attachment was purchased for the power mower to be used by the fire department. This department also supplies all stations with padlocks and also paint brushes for painting hydrant markers. We are called upon to distribute one hundred dog license posters throughout the city and also keep all the wooden horses painted for the Police Department.

During Fire Prevention Week we render considerable assistance to the Fire Prevention Bureau. We are also called upon to hang banners for various charitable organizations throughout the year.

For quite some time this department has been operating with a handicap because of a shortage of help.

Respectfully submitted,

(SIGNED) Michael Sabatino  
Supt. Building Repairs.

FROM: Frederick L. Badger, Captain, Rescue Co. #1

TO: The Chief of Department.

SUBJECT: Annual Report.

Sir:

The following is a breakdown of activities for the year ending 1959.

Box Alarms	163	Hangings	3
Still Alarms	2338	Transportation	941
Special Signals	3	Ambulance with Doctor	208
Second Alarms	2	Ambulance with Orderly	815
First Aid Rendered	1606	Refused Medical Aid	120
E & J Inhalator & Resuscitator	119	Miscarriage	8
Revivals	96	Suffocations	6
Fatals	20	D. O. A.	94
Refrigerator Leaks	12	Oxygen Used (E Cylinders)	136
Water Rescues	5	Smoke Ejector	6
Boat Used	9	Electric Saw	1
Automobile Accidents	207	Electric Drill	2
Child Births	36	Hours of Instructions	120
Miscellaneous	211	Hours of Drill	52
Oxygen Cylinders Refilled	92	Lights (500 Watt)	18
All-Service Masks Used	6	Underwater Lights (1000 Watt)	2
Body Bags Used	39	Generator Used	18
Hydro-Pak Used	12	Hydraulic Jacks Used	6
Gas Leaks	1	Scott Air Paks Used	9
Porto-Power Used	6	Scott Air Paks Refilled	86
Drownings	7	Tear Gas	1
Gasoline Used (Gallons)	2637	Elevator Accidents	2
Elevator Accidents	2	Ring Cutter Used	17
		Hours of Service (815 Hrs. 12 Min.)	

Rescue Co. #1 responded to 2506 calls.

Respectfully submitted,

(Signed) Frederick L. Badger  
Captain, Rescue Co. #1

FROM: Arthur Brodeur, Captain, Rescue Co. #2

TO: The Chief of Department.

SUBJECT: Annual report.

Sir:

The following is a breakdown of activities for the year ending 1959.

Box Alarms	176	Water Rescues	0
Still Alarms	2891	Maternity Cases	60
First Aid	2076	Persons Transported	1670
E & J Breathing machines	295	Oxygen Cylinders used	320
Fatals - D. O. A.	20	Extra Hours Of Duty	62
Refrigerator Leaks	7	Electric Saw	1
Ammonia Leaks	2	Flood Lights	22
Boat Used	2	Generator	12
Auto Accidents	284	Smoke ejectors	6
Elevator Accidents	6	Electric Drill	0
Cave-ins	0	Hours of drill	72
Drownings	0		

A total of 3067 runs were made that required 1,011 hours and 32 minutes.

Respectfully submitted,

SIGNED) Arthur Brodeur  
Captain, Rescue Co. #2



FROM: Joseph B. Healey, Lieutenant, Rescue Co. #3

TO: The Chief of Department.

SUBJECT: Annual Report.

Sir:

The following is a breakdown of activities for the year ending 1959.

Box alarms	117	Elevator accidents	0
Still alarms	1751	Cave-ins	1
Second alarms	2	Hangings	0
Third alarms	0	Maternity cases	29
E & J Machine Used	169	Transportation cases	1047
Revivals	149	Oxygen Cylinders used	223
Fatals	20	Extra hours of duty	5
Refrigerator Leaks	8	Generator used	8
Ammonia leaks	1	Lights (500 Watt)	8
First Aid rendered	1384	Smoke ejector	8
Water rescue	2	Electric saw 7 drill	0
Drownings	3	Salvage covers	0
Boat used	7	Hours of drill	52
Auto accidents	229	Hours of Service (724 hrs. 38 min.	

Rescue Co. #3 responded to 1,868 calls.

Respectfully submitted,

(SIGNED) Joseph B. Healey  
Lieut., Rescue Co. #3

FROM: Robert D. Walsh, Captain, Engine Co. #9

TO: The Chief of Department.

SUBJECT: Annual Report.

Sir:

The following is a report of the operations of Salvage Co. #1 for the year ending 1959.

RUNS FOR THE YEAR

Box Alarms	191
Still Alarms	65
Special Signals	47
Total runs for 1959	<hr/> 303

SALVAGE COVERS USED

Covers used inside	364
Covers used outside	15

SERVICE

164 hours and 10 minutes

PUMPING OF CELLARS AND ALLIED SERVICES

9 Hours

Respectfully submitted,

(Signed) Robert D. Walsh  
Captain, Engine Co. #9