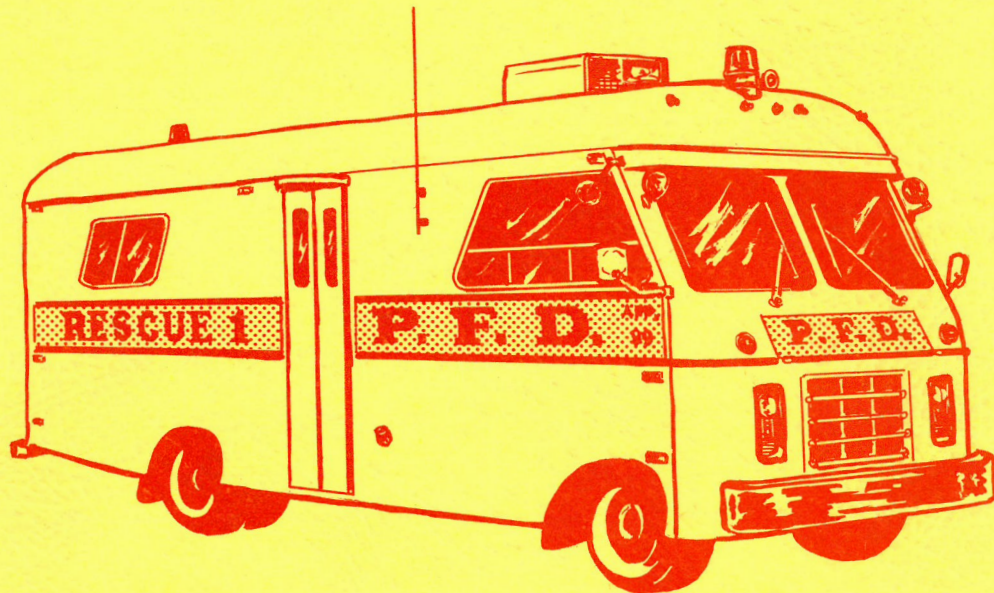


# **ANNUAL REPORT**

## **Bureau Of Fire**



**Portland, Oregon**

**1971 - 1972**





Connie McCready  
COMMISSIONER

# BUREAU OF FIRE

Department of Public Utilities

CITY OF PORTLAND, OREGON



James H. Riopelle  
CHIEF  
55 S. W. Ash St., 97204  
Phone 228-6141  
Ext. 481

Commissioner Connie McCready  
Department of Public Utilities  
Portland, Oregon

Dear Commissioner McCready:

In carrying out my trust as Chief of the Bureau of Fire, I have personally inspected all of the properties, apparatus, and equipment of the Bureau of Fire. I can assure you that the officers and men of the Bureau of Fire are using and caring for their equipment and quarters in a commendable manner. However, it is necessary that I report to you that we lack some essential firefighting equipment. A large portion of our firefighting apparatus has been in service for more than 18 years and should be replaced as soon as possible.

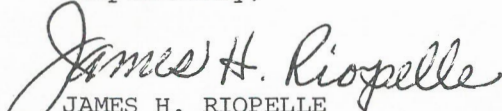
The total number of fire alarms declined from 9,271 last year to 8,590. The incidence of false alarms was up 4%, which included both telephone and box false alarms. The total fire loss for the calendar year was \$4,323,551, \$1.25 million less than last year. Losses due to incendiarism were substantially less. Despite innumerable heroic rescues, we regret that 12 persons died from fire.

During the year, a number of significant improvements were accomplished: A 10-channel tape recorder to log all incoming and outgoing fire communications was installed in the fire alarm headquarters; two 1750 gpm pumper-chemical units, one new fireboat, and one new rescue command car were placed in service. Training Station No. 2 was activated for training returning veterans and under-privileged and minority citizens to qualify them to become career fire fighters.

Personal damage suits brought by firemen in various parts of the country for injuries sustained while using filter type masks precipitated a change in the national standards for fire fighters' breathing devices. All of our filter type masks have been replaced with units using bottled air. The new equipment has been costly to purchase and maintain. It is awkward to use. Our most urgent need in the American fire service today is to develop a better fire fighters' breathing device.

Each year the business of fire protection becomes more complicated. Training and management problems become more involved. Our city is becoming larger while our physical resources to accomplish our mission are fewer. Notwithstanding these problems, I am proud to say that there has been no lack of industry and enthusiasm on the part of all members of the Fire Bureau. We wish to acknowledge the splendid cooperation we have received from the other bureaus of the City. We shall continue to look to you, as Commissioner in charge of the Bureau of Fire, for assistance in our endeavor to maintain an efficient fire department. We are grateful for your understanding and cooperation.

Respectfully,

  
JAMES H. RIOPELLE  
Chief, Bureau of Fire

*Dedicated to the saving of life and property from fire.*





THE HONORABLE TERRY D. SCHRUNK  
MAYOR  
PORTLAND, OREGON



THE HONORABLE CONNIE McCREADY  
COMMISSIONER  
DEPARTMENT OF PUBLIC UTILITIES



JAMES H. RIOPELLE  
FIRE CHIEF



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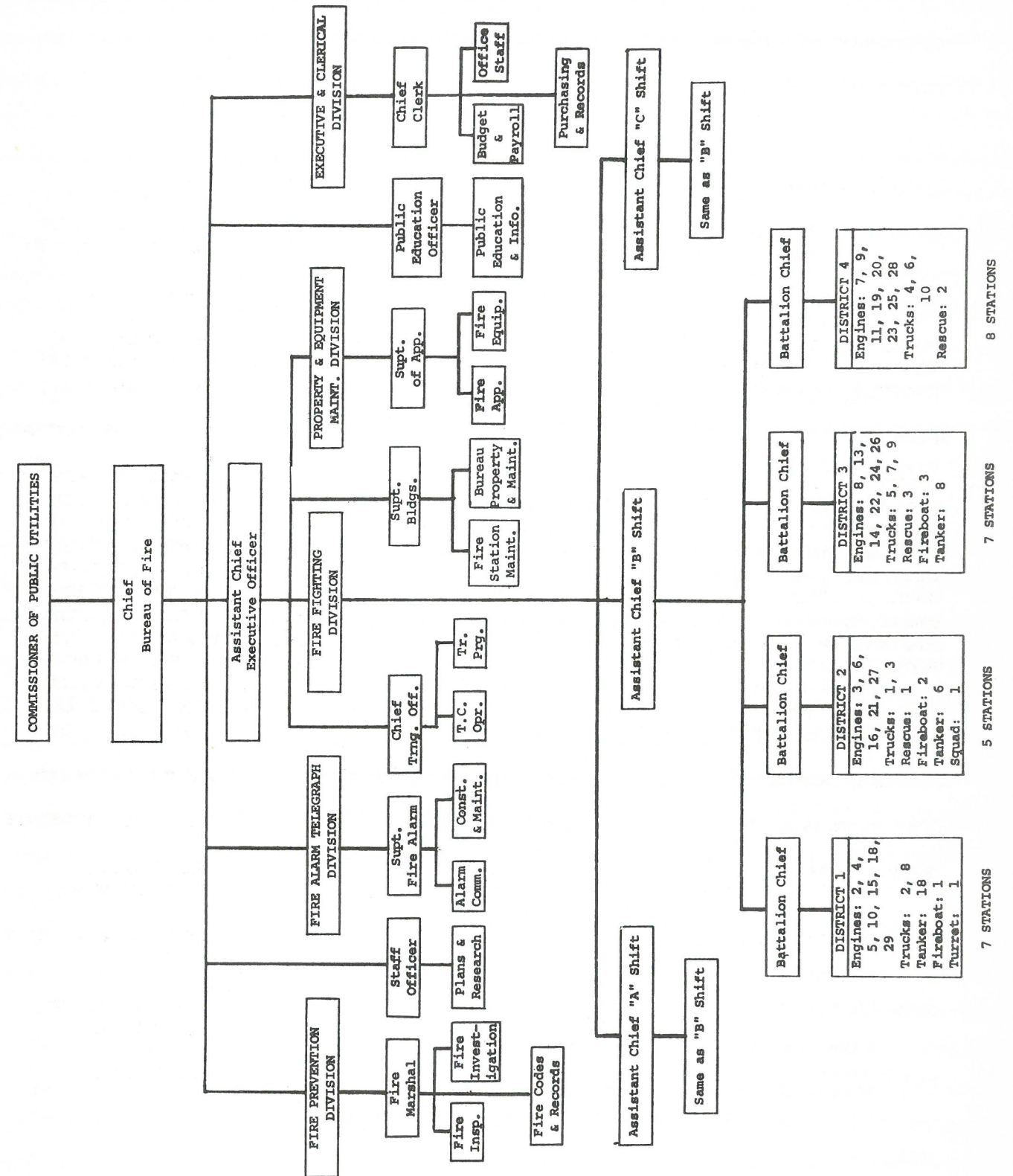
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#### ECONOMIC PRODUCTIVITY STATEMENT

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## CITY OF PORTLAND BUREAU OF FIRE





# EXECUTIVE OFFICERS

JAMES H. RIOPELLE  
PETER C. LEINEWEBER

JAMES R. KERR

STANLEY F. BOHLMAN  
HENRY L. SURBAUGH  
GORDON A. MORTERUD

HENRY L. BURNS

ALBERT M. OLIVERIO  
JACK A JONES  
HARRY WHITE, JR.  
WAYNE H. HARVEY  
ALLEN W. McLANE  
JOHN J. DOONEY  
EDWARD S. LOHR  
DONALD N. McCORMICK  
WAYNE L. LAMBETH  
CLARENCE O. FARBER  
WARD R. WHITMORE  
WILLIAM T. McROBERTS

MELVIN W. BRINK

JOHN A. FARBER

DALE V. LIESCH

MELVIN L. WILKENING

JOHN HETRICK

BLANCHE NOBLE

(CHIEF TRAINING OFFICER)

(CHIEF INVESTIGATOR)

CHIEF

ASSISTANT CHIEF  
EXECUTIVE OFFICER

FIRE MARSHAL

ASSISTANT CHIEF  
ASSISTANT CHIEF  
ASSISTANT CHIEF

ASST. FIRE MARSHAL

BATTALION CHIEF  
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BATTALION CHIEF

SR. FIRE INSPECTOR

ALARM SYSTEM  
SUPERINTENDENT

CHIEF FIRE ALARM  
OPERATOR

FIRE APPARATUS  
SUPERVISOR

CHIEF CLERK

# EXECUTIVE & CLERICAL DIVISION

The Executive and Clerical Division operates the administrative offices of the Bureau of Fire. The Chief Clerk heads this division and functions as the Fire Bureau's controller, office manager, and liaison officer with the City Auditor.

The Chief Clerk, assisted by 2 accounting assistants, 4 senior stenographer clerks, 1 stenographer clerk, 1 typist clerk, 1 clerk III, and 1 accounting aide from the Public Employment Program, performs the administrative work for the offices of the Fire Chief, the Fire Marshal, and the Chief Training Officer. All are non-uniformed personnel.

This division:

1. Prepares, coordinates, and acts as controller of the annual budget for the Bureau. The 1971-1972 Fire Bureau budget derived \$9,428,951 from the General Fund and \$129,500 from the Fire Apparatus Fund.
2. Maintains a cost accounting system for all stations and other Fire Bureau buildings, automotive equipment, fire fighting apparatus, and fireboats.
3. Processes orders for the procurement of all supplies, materials, and equipment.
4. Processes Bi-Weekly Payrolls for 691 employees.
5. Prepares, publishes, distributes, and files all Bureau publications, such as, General Orders, Rules and Regulations, Standard and Special Operating Procedures, Training Manuals and Bulletins, and all Bureau letters and memoranda.
6. Provides stenographic and clerical help for all divisions and sections of the Fire Bureau.
7. Maintains all personnel and administrative records.
8. Administers uniform contract purchase agreements and controls the issue of uniforms and related accoutrements.
9. Maintains files of official fire reports for the Fire Marshal's Office.
10. Issues various certificates, permits and licenses related to Fire Code requirements for the Fire Marshal's Office.



## FIRE BUREAU PERSONNEL

UNIFORMED PERSONNELFIRE FIGHTINGMonthly Salary

1	Chief of the Bureau .....	\$2,115.00	-	\$
1	Assistant Chief - Executive Officer	1,903.00	-	
3	Assistant Chiefs .....	1,591.00	-	1,792.00
12	Battalion Chiefs	1,371.00	-	1,544.00
1	Staff Lieutenant .....	1,078.00	-	1,217.00
1	Training Officer - Captain	1,217.00	-	1,371.00
28	Captains .....	1,180.00	-	1,329.00
5	Training Officers - Lieutenants	1,047.00	-	1,180.00
86	Lieutenants .....	1,016.00	-	1,144.00
9	Fireboat Pilots	1,016.00	-	1,144.00
6	Fireboat Engineers .....	723.00	-	1,016.00
453	Fire Fighters	702.00	-	986.00
606	Total			

SPECIAL ASSIGNMENT

1	Captain (Administrative Assistant) .....	\$1,407.00	-	\$
1	Fire Fighter Specialist	723.00	-	1,016.00
2	Total			

FIRE PREVENTION

1	Fire Marshal (Assistant Chief) .....	\$1,688.00	-	\$1,903.00
1	Assistant Fire Marshal (Battalion Chief)	1,371.00	-	1,544.00
1	Chief Investigator (Senior Fire Inspector) .	1,180.00	-	1,329.00
2	Senior Fire Inspectors	1,180.00	-	1,329.00
24	Fire Inspectors .....	1,016.00	-	1,144.00
1	Fireman Specialist - Photographer	723.00	-	1,016.00
30	Total			

FIRE ALARM TELEGRAPH

1	Chief Alarm Operator .....	\$1,180.00	-	\$1,329.00
3	Fire Alarm Operators	1,016.00	-	1,144.00
7	Lieutenants .....	1,016.00	-	1,144.00
1	Fireman Specialist - Communications	743.00	-	1,047.00
12	Total			

TRAINING

1	Chief Training Officer (Battalion Chief) ...	\$1,371.00	-	\$1,544.00
2	Assistant Training Officer (Captain)	1,217.00	-	1,371.00
4	Lieutenant .....	1,047.00	-	1,180.00
7	Total			

AUTOMOTIVE MAINTENANCE

1	Fire Apparatus Supervisor .....	\$1,217.00	-	\$1,371.00
3	Fire Fighter Specialists (Mechanics)	723.00	-	1,016.00
4	Total			

661    Total Uniformed Personnel

CIVILIAN PERSONNELTRAININGMonthly Salary

1	Fire Apparatus Instructor .....	\$ 799.00	-	\$ 931.00
---	---------------------------------	-----------	---	-----------

FIRE ALARM TELEGRAPH

1	Alarm System Superintendent .....	1,250.00	-	1,366.00
1	Line Foreman	959.00	-	1,078.00
4	Linemen .....	881.00	-	992.00
2	Electricians	881.00	-	992.00
8	Total			

BUILDING MAINTENANCE

1	Fire Buildings Superintendent .....	\$1,078.00	-	\$1,177.00
1	Lead Plumber	907.00	-	1,021.00
1	Plumber .....	881.00	-	992.00
3	Carpenters	816.00	-	919.00
2	Painters .....	816.00	-	919.00
1	Utility Worker	680.00	-	775.00
1	Custodial Worker .....	598.00	-	643.00
10	Total			

AUTOMOTIVE MAINTENANCE

1	Utility Worker .....	\$ 680.00	-	\$ 775.00
---	----------------------	-----------	---	-----------

CLERICAL

1	Chief Clerk .....	\$1,078.00	-	\$1,177.00
2	Accounting Assistants	598.00	-	718.00
1	Clerk III .....	598.00	-	718.00
4	Senior Stenographer Clerks	577.00	-	697.00
1	Stenographer Clerk .....	496.00	-	598.00
1	Typist Clerk	480.00	-	577.00

10    Total

30    Total Civilian Personnel

SUMMARY

Personnel 6/30/71 .	688	688
---------------------	-----	-----

Less - Personnel Reduction 7/1/71

Lineman	<u>1</u>	<u>1</u>
		687

Add -

Training Captain	1	
Training Lieutenants	<u>3</u>	<u>4</u>

Total Personnel June 30, 1972

691



PERSONNEL CHANGES

RETIREMENTS

Alfred A. Alwick  
Francis Spiekerman  
Merril P. Barnhart  
Albert Catlow  
Charles A. Ferris  
Eugene W. Mann  
Edwin L. Williams  
Harold B. Olson  
Harry Amacher

January 1, 1972  
January 1, 1972  
February 2, 1972  
February 17, 1972  
April 1, 1972  
April 1, 1972  
April 2, 1972  
June 14, 1972  
June 15, 1972

DISABILITIES

John Mattson  
Timothy T. Dunlop  
Roy A. Sefton  
Donald Buscho

Occupational Disability  
Non-Service Disability  
Injury in Line of Duty  
Injury in Line of Duty

July 1, 1971  
December 31, 1971  
January 20, 1972  
January 27, 1972

UNDETERMINED DISABILITIES  
NOT REPORTED ON PREVIOUS REPORTS

Lyle J. Otto  
Joseph Schlechter  
Jack L. Shafer

Injury in Line of Duty  
Injury in Line of Duty  
Injury in Line of Duty

January 11, 1972\*  
January 25, 1971  
July 2, 1972\*

TRANSFERS, RESIGNATIONS, DISMISSALS

Wayne Werner  
Noel S. LaMothe  
Ralph D. Ellsworth  
Rebecca Dutton

Resigned  
Dismissed  
Resigned  
Transferred

August 14, 1971  
September 14, 1971  
August 31, 1971  
May 15, 1972

\*First year ended

APPOINTMENTS  
UNIFORMED PERSONNEL

NAME

CLASSIFICATION

DATE APPOINTED

Crooks Jr., William  
Runyan, Brian A.  
Wood, Steven C.  
Sill, Russell E.  
Warnock III, James E.  
Greene, Wayne D.  
Pickett, Harold G.  
Harris, Dean A.  
Gemmell, James U.  
Bankhead, Bruce T.  
Bush, Duane A.  
Spencer, William W.  
Brown, Stephen A.  
Isbell, Fred M.  
McEuin, Robert A.  
O'Neil, Michael E.  
Martin, John F.  
Cornelius, Darryl F.

Fire Fighter  
Fire Fighter  
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Fire Fighter

May 9, 1971  
May 9, 1971  
May 9, 1971  
July 3, 1971  
July 3, 1971  
July 3, 1971  
July 25, 1971  
July 25, 1971  
July 25, 1971  
September 30, 1971  
September 30, 1971  
September 30, 1971  
November 3, 1971  
November 3, 1971  
November 3, 1971  
November 16, 1971  
November 16, 1971  
November 16, 1971

CIVILIAN PERSONNEL

NAME

CLASSIFICATION

DATE APPOINTED

Anderson, Val G.  
Johnson, Edward M.  
Ekstrom, Loneta A.

Custodial Worker (temp.)  
Plumber  
Sr. Steno-Clerk (temp.)

August 30, 1971  
October 14, 1971  
December 9, 1971



PROMOTIONS  
UNIFORMED PERSONNEL

NAME	FROM	Classification	TO	DATE PROMOTED
Frank, Roy G.	Fire Lieutenant	Fire Trn. Officer		January 2, 1971
Buss, Vernon R.	Fire Lieutenant	Fire Captain		January 28, 1971
Yeamans, Theodore	F.F. Specialist	Fire Inspector		January 28, 1971
Fahey, Joseph R.	Fire Lieutenant	Fire Captain		February 10, 1971
Wayne, Vernon F.	Fire Inspector	Fire Lieutenant		February 11, 1971
Branch, Eldon R.	Fire Fighter	Fire Inspector		February 11, 1971
Binder, James B.	Fire Fighter	F.F. Specialist		February 8, 1971
Miles, Larry L.	Fire Fighter	Fire Lieutenant		April 30, 1971
Pierson, John R.	Fire Fighter	Fire Lieutenant		May 6, 1971
Preston, David L.	Fire Fighter	F.F. Specialist		May 6, 1971
Pierson, John R.	Fire Lieut. (no vac.)	Fire Fighter		June 4, 1971
Fahey, Joseph R.	Fire Capt. (no vac.)	Fire Lieutenant		June 4, 1971
Anderson, Roger A.	Fire Fighter	F.F. Spec. Comm.		June 17, 1971
Pierson, John R.	Fire Fighter	Fire Lieutenant		June 17, 1971
(Reappointed from laid off list)				
Fahey, Joseph R.	Fire Lieutenant	Fire Captain		June 17, 1971
(Reappointed from laid off list)				
McRoberts, Wm. T.	Fire Captain	Fire Batt. Chief		June 17, 1971
Tyner, Thomas G.	Fire Fighter	Fire Lieutenant		July 15, 1971
Knotts, William	Fire Lieutenant	Fire Captain		July 15, 1971
Sethmann, Melvin W.	Fire Fighter	Fireman Specialist		August 30, 1971
(temporary Ordinance 133281)				
Wuerth, Robert F.	Fire Fighter	Harbor Pilot		August 30, 1971
(temporary Ordinance 133281)				
Hayden, Robert E.	Fire Captain	Fire Trn. Captain		October 7, 1971
Osborne, Donald L.	Fire Lieutenant	Fire Captain		October 7, 1971
Mortrud, Gordon A.	Asst. Chief	Acting Exec. Officer		October 7, 1971
Markel, James I.	Fire Lieutenant	Fire Trng. Lieut.		October 21, 1971
Tyner, Thomas G.	Fire Lieutenant	Fire Trng. Lieut.		October 21, 1971
Williams, Edwin L.	Fire Lieutenant	Fire Trng. Officer		December 2, 1971
Wayne, Vernon F.	Fire Lieutenant	Fire Trng. Officer		December 4, 1971
Larrett, Robert J.	Fire Fighter	Fire Lieutenant		December 4, 1971
Satchell, Joseph	Fire Lieutenant	Fire Trng. Officer		December 16, 1971

CIVILIAN PERSONNEL

NAME	FROM	TO	DATE PROMOTED
Stromme, William A.	Lineman	Lineman Foreman (temp)	April 30, 1971
Letcher, Merlyn W.	Lineman	Lineman Foreman (temp)	June 3, 1971
Briden, Derrell C.	Clerk II	Clerk III	July 1, 1971
Letcher, Merlyn W.	Lineman Foreman (temp)	Lineman Foreman	July 15, 1971

STATEMENT SHOWING CONDITION OF APPROPRIATIONS  
AS OF JUNE 30, 1972

	Approp. Inc. Trans.	Expend. To Date	Pur. Orders Outstanding	Total Encumbrance	Unencumbered Balance
EXECUTIVE & CLERICAL					
Personal Services	\$ 114,130.00	\$ 111,975.36	\$-----	\$ 111,975.36	\$ 2,154.64
Operation & Maintenance	9,230.00	4,573.26	-----	4,573.26	4,656.74
Equipment	563.00	552.19	-----	552.19	10.81
Total	\$ 123,923.00	\$ 117,100.81	\$-----	\$ 117,100.81	\$ 6,822.19
FIRE ALARM TELEGRAPH					
Personal Services	\$ 304,249.00	\$ 304,249.00	\$-----	\$ 304,249.00	\$-----
Operation & Maintenance	119,320.00	102,929.74	3,547.00	106,476.74	12,843.26
Equipment	11,608.05	1,049.05	10,246.30	11,295.35	312.70
Total	\$ 435,177.05	\$ 408,227.79	\$13,793.30	\$ 422,021.09	\$ 13,155.96
FIRE FIGHTING					
Personal Services	\$ 8,516,646.00	\$ 8,483,745.64	\$-----	\$ 8,483,745.64	\$ 32,900.36
Operation & Maintenance	224,603.00	197,752.61	11,859.53	209,612.14	14,990.86
Equipment	32,530.00	32,530.00	-----	32,530.00	-----
Improvements	50,600.00	35,600.75	750.00	36,350.75	14,249.25
Total	\$ 8,824,379.00	\$ 8,749,629.00	\$12,609.53	\$ 8,762,238.53	\$ 62,140.47
FIRE PREVENTION					
Personal Services	\$ 432,179.00	\$ 432,179.00	\$-----	\$ 432,179.00	\$-----
Operation & Maintenance	12,973.00	12,730.35	150.00	12,880.35	92.65
Equipment	3,961.33	3,834.38	49.95	3,884.33	77.00
Total	\$ 449,113.33	\$ 448,743.73	\$ 199.95	\$ 448,943.68	169.65
PROPERTY & EQUIP. MAINT.					
Personal Services	\$ 139,740.00	\$ 130,958.77	\$-----	\$ 130,958.77	\$ 8,781.23
Operation & Maintenance	62,031.48	54,357.17	7,674.31	62,031.48	-----
Equipment	9,420.00	3,982.86	4,836.79	8,819.65	600.35
Total	\$ 211,191.48	\$ 189,298.80	\$12,511.10	\$ 201,809.90	\$ 9,381.58
General Fund Fire Bureau	\$10,043,783.86	\$ 9,913,000.13	\$39,113.88	\$ 9,952,114.01	\$ 91,669.85
Fire App. Fund Fire Bureau	129,500.00	114,099.22	2,031.92	116,131.14	13,368.86
TOTAL FIRE BUREAU	\$10,173,283.86	\$10,027,099.35	\$41,145.80	\$10,068,245.15	\$105,038.71



# FIRE ALARM TELEGRAPH

## DIVISION

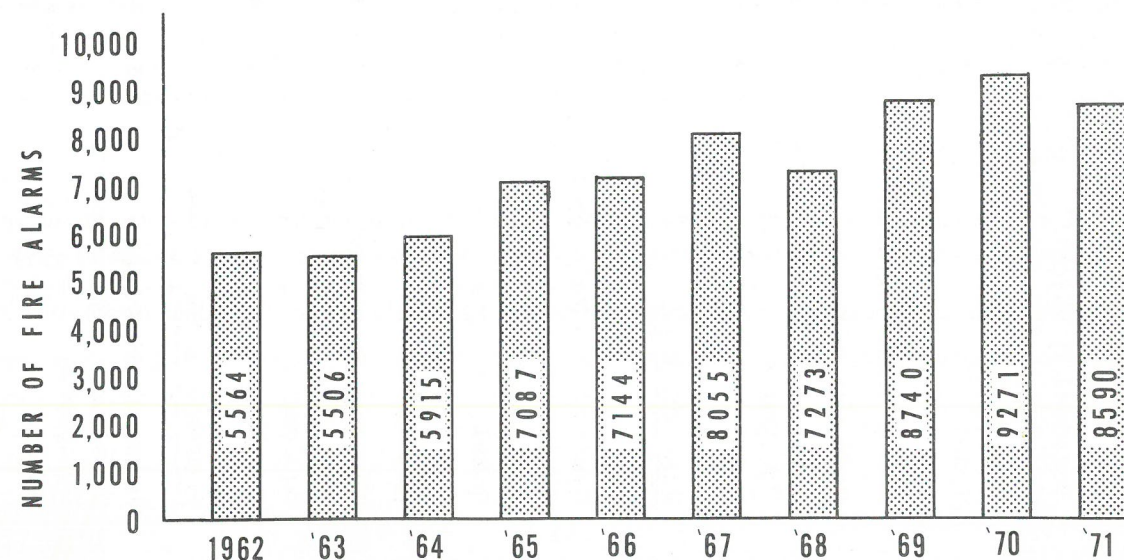
The Fire Alarm Telegraph Division is under the direct supervision of the Fire Alarm Telegraph Superintendent. This division engineers, constructs, maintains, and operates the Fire Bureau's communications system.

### COMMUNICATIONS AND DISPATCHING SECTION:

Under the direction of the Chief Fire Alarm Operator (Captain equivalent), a staff of 11 fire alarm operators (7 operators [Lieutenant equivalent] and 2 firemen specialists) provides around-the-clock communications services for the Bureau of Fire. These services include the receipt of all fire and emergency calls, followed by the dispatch of appropriate equipment and personnel to cope with many and varied emergencies. This section also processes routine Fire Bureau telephone and radio communications traffic, maintains logs of all emergency calls, compiles related alarm records, and performs daily readiness tests on all emergency communications equipment.

A total of 8,590 emergency calls were processed during the 1971 calendar year, a decrease of 681 from the preceding year's emergency calls and about a 7% decrease in total calls. Unfortunately, there was a slight increase in both box and telephone false alarms.

Alarms Received		How Received	
Type	Total	Type	Total
Fire	5263	Box	1430
False	1311	Telephone	6733
First Aid	1176	Still	318
Public Service	590	A.D.T.	77
Outside City	245	Radio	32
Total	8590	Total	8590



### MAINTENANCE AND ENGINEERING SECTION

The Maintenance and Engineering Section, under the direction supervision of the Alarm System Superintendent, is staffed by the following personnel: 1 Foreman, 4 Linemen, and 2 Electricians. This section is responsible for the technical planning, development, and installation of new fire alarm systems and devices as well as the maintenance and repair of existing facilities. Other duties of this section include the planned construction of new lines into annexed areas, new alarm box installations, necessary maintenance including painting, tree trimming, relocation and repair of the existing fire alarm cables and related circuitry equipment. This section also maintains the communications and electrical systems in all Bureau of Fire buildings. Routine duties consist of keeping permanent engineering records reflecting changes and additions to the fire alarm equipment in the Fire Alarm Telegraph headquarters, 4 substations, and the cable system.

There are 1374 fire alarm boxes located throughout the city. They are connected to the Fire Alarm Telegraph headquarters by 64 circuits, 36 of which are routed through substations located in Engines 3, 10, 25, and 26. Eight alarm circuits and eight speaker circuits connect the Fire Alarm Telegraph headquarters with fire stations and public utilities' offices.

The following is typical of work performed by line crews:

Line wire removed	28,260 feet
New line wire installed	22,535 feet
Underground conduit installed	1,275 feet
Cable installed	39,950 feet
Poles painted	779
New alarm boxes installed	14
Tree trimming	879 hours
Box testing	664 hours

This year 609 fire alarm boxes were refinished with acrylic enamel and reinstalled. A projected four-year program to repaint all of the fire alarm boxes was accomplished in three years.

This section furnished 889 man hours of labor to the Bureau of Traffic Engineering for the installation of traffic control cable. This work included the installation of 10,000 feet of underground cable to be used for the computerization of traffic signal controls in the core area. Another 20,450 feet of aerial cable was installed by this division for traffic signal interconnections at various locations.

A 10-channel dictaphone logging recorder was installed at the Fire Alarm Headquarters. This recorder is a very welcome backup in the receipt and dispatch of emergency fire calls. All telephone, radio, and public address communications are recorded in time sequence for each 24-hour period. The Bell Telephone Company's time service transmissions are imposed on the tape to establish the precise time of each communication.

Some of the physical plant improvements and rearrangements accomplished this year include the installation of underground signal cable between S. E. Holgate and S. E. Bybee on Milwaukie Avenue. As a result of this cable installation, the use of telephone company conductors for our street fire alarm box system has been discontinued.



The relocation of both the underground and aerial fire alarm facilities to make way for the railroad overpass at S. E. 17th and Powell involved a considerable amount of planning and some physical plant rearrangement.

All underground facilities located in S. W. Pine Street between 5th and 6th Avenues were relocated to accommodate the new U. S. National Bank Tower. The Bank reimbursed the City for all labor and material.

A 3-year program to equip all fire fighting apparatus with automatic, solid state battery chargers was successfully completed. It has improved apparatus reliability and lowered maintenance costs.

The Alarm Division has also completed its third year of a four-year program of replacing very old, tube type station communication amplifiers with new, solid state amplifiers. This installation has produced a significant improvement in signal quality and will result in reduced maintenance costs.

## ***FIRE FIGHTING DIVISION***

The Fire Fighting Division has 27 fire stations housing a total of 40 fire companies, including 26 engine companies (includes 1 pumper-chemical company), 10 truck companies, 3 rescue companies, 2 fireboat companies, and 1 squad company. This Division's strength of 606 sworn personnel includes 17 Chief Officers, 121 Company Grade Officers (Captains and Lieutenants), 453 Fire Fighters, 9 Fireboat Pilots and 6 Fireboat Engineers.

The Fire Fighting Division is responsible for the extinguishing of fires, the saving of life and property from fire, and the performance of various miscellaneous public services of an emergency nature. The Division is organized into three shifts--each shift is on duty 24 hours and off duty 48 hours, averaging a 56 hour work week. The city is divided into 4 battalion districts. Each shift of the Fire Fighting Division is supervised by an Assistant Chief. A Battalion Chief supervises each shift of each battalion district. Fire companies are supervised by Fire Captains and/or Fire Lieutenants on each shift.

Every reasonable and practical effort is made to control fire losses through fire prevention measures. However, total control through fire prevention is an ideal not likely to be fully achieved. New methods of design, use of materials, and manner of assembly in industrial and high rise structures continue to increase the magnitude of the fire problem. The high incidence of arson and the increased number of false alarms have increased the burden on the Fire Fighting Division. These trends have increased the need for a well organized and highly trained force of fire fighters, ready to respond 24 hours a day, 365 days a year.

During the past year, Portland firemen were called into action on an average of twenty-four times each day to assist someone in trouble. Their commitment to save life and property from fire exposes them to many unusual and dangerous situations. They stretched about 182 miles of hose and raised about 8 miles of ladders in the course of responding to 8,590 emergency calls. The services they performed are recorded on the following pages of this annual report.

In addition to the emergency services performed by members of the Fire Fighting Division as enumerated herein, a great many hours of non-emergency duty were spent in tasks such as fire prevention inspections of homes and businesses; pre-fire inspections and planning; hydrant inspections; street and area familiarization; developing response routes; learning the operation and limitations of fire protection systems, fire fighting apparatus and equipment; first aid and rescue training; drills in individual and company skills; maintaining fire stations; public speaking; and civic projects such as the Toy and Joymaker program.

The Portland Fire Fighter is engaged in a very hazardous occupation. His working hours are long and demanding. Trials of courage, skill, and endurance are required to be performed at a moment's notice. Nevertheless, he remains devoted to the public service and ready to respond to any call for help, without hesitation.



## EMERGENCY RESPONSE OF FIRE COMPANIES

Co.	No.	Phantom Boxes	Boxes	Telephone	Stills	Total Alarms
Eng.	2	45	6	28	1	80
	3	270	86	278	10	644
	4	180	83	193	9	465
	5	77	23	128	1	229
	6	105	24	30	2	161
	7	235	83	158	4	480
	8	269	74	252	13	608
	9	214	118	258	7	597
	10	111	28	32	6	177
	11	77	38	231	18	364
	13	312	214	325	14	865
	14	322	258	365	26	971
	15	103	28	85	18	234
	16	52	19	53	10	134
	18	58	13	184	10	265
	19	134	49	242	7	432
	20	96	42	234	5	377
	21	403	82	131	4	620
	22	95	32	200	8	335
	23	243	69	182	11	505
	24	322	212	274	13	821
	25	174	74	276	1	525
	26	121	64	149	19	353
	27	60	9	35	4	108
	28	140	48	285	10	483
	29	184	33	22	2	241
Trk.	1	358	63	30	--	451
	2	148	64	67	--	279
	3	256	76	88	2	422
	4	174	63	69	2	308
	5	231	184	109	5	529
	6	97	34	139	5	275
	7	341	180	119	12	652
	8	78	17	53	2	150
	9	96	28	62	4	190
	10	136	81	208	5	430
Squad	1	500	94	49	2	645
Res.	1	428	52	<u>Radio</u> 41	3	524
	2	---	---	101	17	750
	3	83	37	34 367	34	555
F.B.	2	54	5	10	2	71
	3	28	5	10	2	45
Tur.	1	10	2	---	--	12
Tnkr.	6	1	---	8	1	10
	8	4	---	4	--	8
	*25	1	1	---	2	4

\*Transferred and redesignated as Tanker 8 in Nov., 1971

## EMERGENCY FIRE SERVICE BY COMPANIES

Co.	No.	Time H - M	HOSE LAID					Ldrs. Ft.	Miles Run	Fire Prot. Dist.	Mu. Aid Dist.
			3-1/2"	3"	2-1/2"	1-1/2"	Booster				
Eng.	2	45:03	----	2100	1850	750	2500		231.0	2	
	3	278:10	----	21350	6000	15950	29400	100	1531.5	1	
	4	221:28	----	13800	4650	4950	16050		1038.0	2	
	5	117:20	----	5150	2200	2000	5750		794.0	10	1
	6	89:54	----	2650	1250	1400	1950	66	428.0	--	--
	7	202:52	----	10500	5950	11250	21950	414	1006.0	--	--
	8	277:19	----	10900	3300	15000	14250	202	2053.0	49	10
	9	253:17	----	6150	2450	5650	28500	470	1332.5	--	--
	10	83:50	----	4150	1650	2500	4250	46	654.6	3	--
	11	163:32	----	6850	950	7000	23900	172	851.0	--	--
	13	263:09	----	1750	4400	10650	34000	280	2110.0	--	--
	14	352:05	----	10100	2850	10450	43400	604	2139.0	4	11
	15	127:19	----	2200	1700	3250	9000	218	702.5	16	--
	16	97:10	----	1100	1050	1000	5200	52	393.0	--	--
	18	135:40	----	4700	1200	4000	13250	82	835.5	33	--
	19	212:25	----	5050	2400	5150	22400	186	1188.0	--	15
	20	169:04	----	3400	1700	4800	15200	232	824.0	--	1
	21	229:10	----	4700	9900	4850	14850	----	1203.0	--	--
	22	162:14	----	7650	2100	7100	26500	162	988.0	16	--
	23	232:10	----	8350	5300	7000	19950	148	1279.0	--	--
	24	353:01	----	11600	6000	14100	39400	310	2031.0	--	--
	25	214:17	----	6850	1600	9700	29250	145	1369.0	--	4
	26	174:41	----	6150	2450	6400	19150	140	1050.0	17	--
	27	79:27	----	2450	1450	1050	3300	32	597.0	11	11
	28	195:15	----	6700	2200	4950	22250	386	1190.0	--	21
	29	117:38	----	5550	5500	5650	3800	98	431.0	--	1
Trk.	1	197:07	----	-----	-----	100	-----	4867	1008.0	--	--
	2	153:59	----	-----	-----	-----	-----	2226	606.5	2	--
	3	212:15	----	-----	-----	250	-----	4287	982.5	--	--
	4	173:20	----	-----	-----	100	-----	3983	876.0	--	--
	5	226:02	----	100	-----	-----	-----	4062	1212.0	--	--
	6	152:37	----	-----	-----	-----	-----	2050	86.0	--	5
	7	328:05	----	100	-----	-----	-----	6966	1841.0	--	--
	8	101:54	----	-----	-----	-----	-----	819	563.5	8	--
	9	134:00	----	100	-----	-----	-----	2396	636.0	11	--
	10	223:25	----	-----	-----	-----	-----	2815	1249.5	--	4
Squad	1	238:32	----	-----	-----	-----	-----	-----	1697.5	--	--
Res.	1	200:40	----	-----	-----	-----	-----	-----	1447.5	--	--
	2	285:03	----	-----	-----	-----	-----	-----	4644.0	--	--
	3	288:41	----	-----	-----	-----	-----	-----	2362.5	--	--
F.B.	2	44:12	----	-----	450	600	-----	52	173.0	--	--
	3	46:45	----	-----	-----	250	-----	82	186.0	--	--
Tur.	1	31:28	3300	-----	-----	-----	-----	-----	84.0	--	--
Tnkr.	6	10:56	----	-----	-----	-----	-----	-----	130.0	--	--
	8	7:10	----	-----	-----	-----	600	-----	40.0	--	--
	*25	2:01	----	-----	-----	50	600	-----	23.0	--	--

\*Transferred and redesignated as Tanker 8 in Nov., 1971



EMERGENCY RESPONSE OF RESCUE UNITS

RESCUE 1

During the calendar year the Jay W. Stevens Emergency Car responded to 524 fire alarms and other emergencies, worked a total of 200 hours, 40 minutes and traveled 1447.5 miles. The following cases were cared for and/or specialized equipment was used:

Breathing Apparatus	14	First Aid	8
Portable Electric Units	2	Rescue	1
Resuscitator	7	Miscellaneous	22
Standby Public Service	1		

RESCUE 2

Rescue 2 responded to 750 emergency calls, traveling 4644 miles and working 285 hours, 3 minutes, caring for the following cases:

First Aid Cases	Times Equipment Used
108 Heart	214 Resuscitator-Inhalator
64 Respiratory	167 Miscellaneous Equipment
20 Burns	
43 Trauma	
13 Rescue	
49 Dead on Arrival	
342 Miscellaneous	

RESCUE 3

During the year January 1 to December 31, 1971, Rescue 3 responded to 555 alarms, working 288 hours, 4 minutes and traveling 2362.5 miles. In addition to responding to all the following emergency cases, the crew of Rescue 3 responded to all alarms with Engine 22 and Truck 9 and performed as fire fighters in their respective companies.

First Aid Cases	Times Equipment Used
40 Heart	75 Resuscitator
46 Respiratory	98 Miscellaneous Equipment
6 Burns	
10 Rescue	
36 Dead on Arrival	
82 Miscellaneous	

EMERGENCY RESPONSE OF RESERVE COMPANIES

Co. No.	Phantom Boxes	Boxes	Telephone	Stills	Total Alarms
Eng. 1-R	3	-	-	-	3
Eng. 5-R	-	-	1	-	1
Eng. 8-R	4	1	-	-	5

EMERGENCY FIRE SERVICE BY RESERVE COMPANIES

Co. No.	Time H-M	HOSE LAID					Ldrs. Ft. Raised	Miles Run	Fire Prot. Dist.	Mu. Aid Dist.
		3-1/2"	3"	2-1/2"	1-1/2"	Booster				
Eng. 1-R	7:52	-	-	-	-	---	-	6	-	-
Eng. 5-R	1:15	-	-	-	-	200	-	1	-	-
Eng. 8-R	8:56	-	-	-	-	250	-	32	-	-

OUTSIDE CITY FIRE PROTECTION

Fire protection services were provided for the following Rural Fire Districts and Water Districts during the 1971-72 fiscal year under fire protection agreements.

DISTRICT	SQ. MILES	ESTIMATED POPULATION	REVENUE	AGREEMENT NO.
RFPD #1 (Kenton)	2.53	1070	\$181,676.42	13140
RFPD #4 (Sylvan)	0.88	760	41,280.32	13119
RFPD #26 (Oregon Ship)	0.70	----	50,230.18	13084
Burlington Water Dist.	1.40	410	9,901.38	13095
Capitol Highway Water Dist.	2.91	4570	93,850.50	13180
Valley View Water Dist.	0.61	632	\$ 32,366.46	13166
			409,305.26	
Private Agreements (8)			\$ 77,630.00	
Total Revenue			\$486,935.26	

MUTUAL AID

The City of Portland was a participant in Mutual Aid during 1971-72 under conditions of an agreement with the following cities and fire protection districts.

Vancouver, Washington	RFPD No. 12
Gresham, Oregon	RFPD No. 13*
RFPD No. 10	RFPD No. 14
RFPD No. 20	

The Portland International Airport by the Port of Portland Commission, and the United States Air Force, are also signators to the above mutual aid agreement.

\*Consolidated with RFPD #10 in Nov., 1971.



## EMERGENCY FIRE SERVICE OUTSIDE CITY LIMITS

## AREAS UNDER FIRE PROTECTION AGREEMENTS

## RURAL FIRE PROTECTION DISTRICT NO. 1

Co.	No.	No. of Alarms	HOSE LAID				Ldrs. Raised	Miles Run	Time H-M
			3"	2-1/2"	1-1/2"	Booster			
Eng.	8	38	900	100	1200	2900	22	182.0	24:07
	14	4	----	----	----	----	--	18.0	3:55
	22	2	----	----	----	----	--	15.0	:40
	24	5	400	400	----	----	--	37.0	6:21
	26	10	----	----	----	700	--	52.0	9:57
	29	1	----	----	----	----	--	20.0	:56
Trk.	7	4	----	----	----	----	82	34.0	3:56
	9	3	----	----	----	----	--	23.0	1:25
Squad	1	2	----	----	----	----	--	18.0	2:21
Res.	1	2	----	----	----	----	--	18.0	1:42
	2	1	----	----	----	----	--	15.0	:17
	3	36	----	----	----	----	--	30.0	18:35
F.B.	3	1	----	----	----	----	--	22.0	3:35
Tur.	1	1	----	----	----	----	--	20.0	:56
Total		110	1300	500	1200	3600	104	504.0	78:43

## RURAL FIRE PROTECTION DISTRICT #4

Eng.	3	5	----	----	150	200	--	33.0	2:55
	4	2	300	250	250	200	--	16.0	2:56
	5	1	450	----	150	----	--	7.0	3:24
	15	14	800	----	500	1500	30	83.5	15:51
Trk.	2	2	----	----	----	----	72	16.0	3:29
Squad	1	1	----	----	----	----	--	4.0	:27
Res.	2	1	----	----	----	----	--	7.0	:35
Total		26	1550	250	1150	1900	102	166.5	29:37

## RURAL FIRE PROTECTION DISTRICT #26

Eng.	26	6	600	500	----	----	---	52.0	4:23
F.B.	3	1	----	----	----	----	---	2.0	:20
Total		7	600	500	----	----	---	54.0	4:43

## BURLINGTON WATER DISTRICT

Eng.	22	1	----	----	----	----	---	10.0	1:00
	27	6	----	----	150	425	---	33.0	4:29
Trk.	9	2	----	----	----	----	48	18.0	2:40
Res.	3	2	----	----	----	----	---	20.0	2:40
F.B.	3	2	----	----	----	----	---	8.0	1:45
Total		13	----	----	150	425	48	89.0	12:34

## CAPITOL HIGHWAY WATER DISTRICT

Eng.	5	5	600	600	200	----	---	20.0	1:14
	10	3	----	----	----	----	---	28.5	2:17
	18	31	1750	----	1050	2500	---	106.5	20:35
Trk.	8	4	----	----	----	----	44	23.0	4:08
Res.	2	2	----	----	----	----	---	24.0	1:01
Total		45	2350	600	1250	2500	44	202.0	29:15

## EMERGENCY FIRE SERVICE OUTSIDE CITY LIMITS (cont)

## AREAS UNDER FIRE PROTECTION AGREEMENTS

## VALLEY VIEW WATER DISTRICT

Co.	No.	No. of Alarms	HOSE LAID				Ldrs. Raised	Miles Run	Time H-M
			3"	2-1/2"	1-1/2"	Booster			
Eng.	2	1	----	----	----	----	--	7.5	1:00
	5	3	300	200	----	----	--	20.0	1:14
	15	2	----	----	100	----	--	7.0	1:58
	18	1	----	----	----	----	--	6.5	:24
Trk.	8	2	----	----	----	----	--	13.0	1:05
Res.	2	1	----	----	----	----	--	16.0	:40
Total		10	300	200	100	----	--	70.0	6:21

## PRIVATE

Eng.	8	12	----	----	150	----	--	102.0	5:47
	22	8	----	----	150	1250	--	51.0	3:35
	26	1	----	----	----	----	--	6.0	:30
	27	5	----	----	----	----	--	57.0	3:07
Trk.	9	8	----	----	----	----	35	58.0	6:06
Res.	3	5	----	----	----	----	--	38.0	4:10
F.B.	3	6	----	----	----	----	--	18.0	3:20
Total		45	----	----	300	1250	35	330.0	26:35

## GRAND TOTAL OF OUTSIDE CITY PROTECTION AGREEMENTS

267	6100	2050	4150	9675	333	1415.5	186:48
-----	------	------	------	------	-----	--------	--------

## AREAS UNDER MUTUAL AID AGREEMENTS

## RURAL FIRE PROTECTION DISTRICT NO. 10

Eng.	11	44	2800	700	1900	3650	--	128.5	19:29
	19	12	500	----	150	800	--	46.0	6:13
	25	1	100	600	----	----	16	7.0	3:37
	28	9	400	150	550	----	--	46.5	9:04
Trk.	6	4	----	----	----	----	12	15.0	2:03
	10	1	----	----	----	----	16	7.0	3:37
Res.	2	3	----	----	----	----	--	45.0	2:33
Total		74	3800	1450	2600	4450	44	295.0	46:36



AREAS UNDER MUTUAL AID AGREEMENTSRURAL FIRE PROTECTION DISTRICT NO. 12

Co.	No.	No. of Alarms	3"	2-1/2"	1-1/2"	Booster	Ldrs. Raised	Miles Run	Time H-M
Eng.	11	1	----	---	----	500	--	3.0	:50
	20	1	----	---	----	----	--	3.0	:31
	25	3	----	---	300	----	8	12.0	1:29
Trk.	10	3	----	---	----	----	82	13.0	1:45
Res.	2	--	----	---	----	----	--	6.0	:25
Total		8	----	---	300	500	90	37.0	5:00

RURAL FIRE PROTECTION DISTRICT #13

Eng.	8	3	----	---	450	----	--	38.0	2:21
	13	1	----	---	----	----	--	6.0	:33
	14	11	250	---	300	600	--	35.0	3:42
	24	2	----	---	----	----	--	12.0	:58
	28	12	550	---	----	750	56	39.5	4:58
Trk.	6	1	----	---	----	----	--	6.0	:42
	7	3	----	---	----	----	20	22.0	2:16
Res.	2	3	----	---	----	----	--	34.0	1:21
Total		36	800	---	750	1350	76	192.5	16:51

RURAL FIRE PROTECTION DISTRICT NO. 20

Eng.	27	11	----	---	----	1200	--	121.0	12:12
Tnkr.	6	4	----	---	600	----	--	65.0	5:11
Total		15	----	---	600	1200	--	186.0	17:23

GRAND TOTAL OF OUTSIDE CITY MUTUAL AID AGREEMENTS

133	4600	1450	4250	7500	210	710.5	85:50
-----	------	------	------	------	-----	-------	-------

AREAS NOT UNDER FIRE PROTECTION OR MUTUAL AID AGREEMENT

Eng.	3	1	----	---	----	----	--	5.0	:30
	5	2	----	---	----	250	--	8.0	1:05
	8	1	----	---	----	----	--	8.0	:39
	18	1	----	---	----	----	--	5.0	:26
	22	1	----	---	400	----	--	6.0	2:00
Tnkr.	25	1	----	---	500	400	--	250.0	152:00
Total		7	----	---	900	650	--	282.0	156:40

GRAND TOTAL OF EMERGENCY SERVICE OUTSIDE CITY LIMITS

407	10700	3500	9300	17825	543	2408.0	429:18
-----	-------	------	------	-------	-----	--------	--------

# PROPERTY & EQUIPMENT

## MAINTENANCE DIVISION

BUILDING AND EQUIPMENT MAINTENANCE SECTION:

The Superintendent of the Fire Alarm Telegraph Division is presently charged with Building and Equipment Maintenance. Two carpenters, two plumbers, two painters, and one utility worker perform both routine and emergency repairs of twenty-seven fire stations, one houseboat, and six miscellaneous buildings in the Bureau. Included in such maintenance is the repair of all furnishings and equipment used by the Fire Bureau.

When it is requested by other City bureaus, additional maintenance and repair work is performed when it can be fitted into the Fire Bureau's work maintenance schedule. This section is responsible for the acquisition of new materials and furnishings, including station equipment--which requires the writing of specifications and the planning and keeping of maintenance records.

The following is a partial list of work performed by this section during the past year:

Completely reroofed 5 fire stations and partially reroofed 11 others.

Repainted interiors of 5 fire stations and the exterior and partial interior of one fire house.

Installed diesel refueling facilities on the float at Fire Station 29 (Boat 1).

Constructed a new clothing room and two storage rooms at the Central Fire Station--necessitated by the reinforcement of the apparatus floor.

Performed extensive plumbing repairs to correct furnace and domestic hot water problems at the Central Fire Station.

Some of the projects completed during the year for other bureaus are as follows:

Built and installed many cabinets, dark room facilities, plumbed air lines, installed water cooler and janitorial service sink, and made other minor repairs for the Bureau of Communications and Electronics.

Installed two water coolers at City Hall and provided some carpentry and plumbing work for Public Works.

With the adoption of the Public Employment Program, which required a facility to house 36 fire trainees and supervisory personnel, the maintenance section completely renovated an old fire house located at 5340 N. Interstate. This structure, which had been vacant for twelve years, was in such a state of disrepair that a complete overhaul from the basement to the top of the hose tower was required. This project required interior painting of the entire building, new electrical wiring and fixtures, including a new hot water tank, furnace repair, and complete rebuilding of the kitchen facilities. Since Federal funding was not available for a training facility, Fire Bureau maintenance personnel and funds were used for this project.



REAL ESTATE AND BUILDINGS

Station	Address	Constr. of Building	Year Built	Size of Lot	Original Bldg. Cost	Original Lot Cost	Auditor's Cost Value Land & Impr. To 7/1/71	Improvements To Land & Buildings 7/1/71 - 6/30/72	Equip. & Furnish- ings
Eng. 1	SW 57 Ave. & Barnes Rd.			14650 sq. ft. \$	\$ 5,028.37	\$	5,028.37	\$	\$
Eng. 2	630 SW Gaines	1S Frame	1962	93x120x90x100	59,744.05	Owned by State	66,925.60		3,109.24
Eng. 3	1715 NW Johnson	2S Brick	1967	104x120	139,518.97	73,099.00	212,633.97		6,076.25
Eng. 4	511 SW College St.	1S Brick	1962	77-1/2x100	143,438.11	45,253.58	189,071.17		4,032.77
Eng. 5	1505 SW DeWitt	1S Brick	1960	141.7x163.94	112,644.38	23,020.00	145,892.24		5,163.76
Eng. 6	3660 NW Front Ave.	1S Rein. Conc. & Block	1960	140x140	127,964.49	Leased	143,001.50		3,494.80
Eng. 7	1036 SE Stark St.	2S Brick	1927	50x100	33,314.35	4,250.00	41,099.39		2,694.48
Eng. 8	7134 N Maryland Ave.	1S Brick	1960	100x165	102,723.33	12,940.00	121,965.06		3,376.74
Eng. 9	900 SE 35th Ave.	2S Brick	1912	33-1/3x100	15,000.00	1,935.00	22,925.89		2,919.82
Eng. 10	5830 SW Kelly St.	1S Brick	1925	65x100	12,500.00	500.00	14,867.63		2,465.53
Eng. 11	5707 SE 92nd Ave.	1S Brick	1928	87-1/2x130	10,080.00	1,550.00	12,618.62		1,830.96
Eng. 13	926 NE Weidler	1S Brick	1955	100x100	94,964.00	2,500.00	102,864.03		5,261.55
Eng. 14	1905 NE Killingsworth	1S Brick	1959	140x140	117,293.85	Assigned By Ord.	117,286.70		2,573.47
Eng. 15	1920 SW Spring St.	1S Brick	1927	50x100	12,112.00	2,650.00	16,103.46		1,728.43

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REAL ESTATE AND BUILDINGS

Station	Address	Constr. of Building	Year Built	Size of Lot	Original Bldg. Cost	Original Lot Cost	Auditor's Cost Value Land & Impr. To 7/1/71	Improvements To Land & Buildings 7/1/71 - 6/30/72	Equip. & Furnish- ings
Eng. 16	4465 NW Yeon Ave.	1S Brick	1944	Tr. 2,775 Sq. ft. tract	\$ 30,830.55	\$ 1,100.00	\$ 32,245.19	\$	\$ 1,476.78
Eng. 18	8720 SW 30th Ave.	1S Brick	1960	113x155	121,153.66	11,973.88	139,666.39		3,730.58
Eng. 19	7301 E Burnside	1S Brick	1953	123.97x151.61	80,973.00	2,275.00	92,174.95		4,718.13
Eng. 20	2235 SE Bybee Ave.	1S Brick	1959	125x175	110,050.89	9,500.00	128,578.20		2,747.29
Eng. 21	55 SW Ash	3S Brick	1950	200x200	511,000.00	75,000.00	583,351.44	35,600.75	29,307.58
Eng. 22	7205 N Alta St.	1S Brick	1954	100x100	93,024.00	2,500.00	98,321.64		4,559.44
Eng. 23	2915 SE 13th Pl.	3S Brick	1962	Incl. in D.T. Lot	174,078.61	392.38	196,335.44		5,262.22
Eng. 24	4515 N Maryland Ave.	1S Brick	1959	120x170	117,447.80	28,927.30	159,205.06		6,341.03
Eng. 25	5211 SE Mall St.	1S Brick	1959	100x150	116,468.88	10,832.29	124,824.68		4,023.20
Eng. 26	5247 N Lombard St.	1S Brick	1928	85x100	10,280.00	2,010.00	16,065.86		2,050.35
Eng. 27	11212 NW St. Helens Rd.	1S Brick	1940	100x100	12,600.00	1,815.00	43,995.78		2,570.45
Eng. 28	5540 NE Sandy Blvd.	2S Brick	1912	100x100	8,000.00	1,470.00	10,216.47		2,111.30
Eng. 29	5 SE Madison St.	1S Rein. Conc.	1960	Approx. 1 Acre	147,980.62	10,062.00	180,899.88		2,769.04

23

\*This figure does not include equipment in the third floor offices in the amount of \$ 43,473.19



REAL ESTATE AND BUILDINGS

Land & Other Buildings	Address	Constr. of Building	Year Built	Size of Lot	Original Bldg. Cost	Original Lot Cost	Auditor's Cost Value Land & Impr. To 7/1/71	Improvements To Land & Buildings 7/1/71-6/30/72	Equip. & Furnishings
Auto Shop	1026 SE Stark St.	1S Frame	1964	50x100	\$ 21,386.18	\$	\$ 21,386.18	\$	\$ 17,670.65
Carp. Shop	Stanton & Kirby								18,950.67
Drill Tower	SE 11th & Powell	6S Rein. Concrete	1935	210x210	27,000.00	9,300.00	34,585.94		
Pump School Bldg.	SE 11th & Powell		1965		7,393.54		7,393.54		
Fire Alarm Hdqrs.	NE 21st & Pacific	1S Brick	1928	.47 Acre	21,660.00	5,440.36	399,381.08		18,325.75
Fire Alarm Whse.	NE 21st & Pacific	2S Rein. Concrete	1956	50x100	47,000.00	115.00	52,053.86		11,550.92
Boat House No. 3	Wheeler Bay, Term. 4	1S Frame	1937	Floating Barge	19,251.15		24,574.91		1,996.87
Tr. Cen.	2915 SE 13th Pl.								23,436.80
Tr. Sta. #2	5340 W. Interstate	2S Brick	1912	100x100	15,000.00	6,775.00	21,775.00		4,111.74
**Eng. 17 (old)	824 NW 24th Ave.	2S Brick	1912	50x100 & 38x54	12,000.00	7,796.60	20,613.94		201.08
					\$2,685,876.41	\$360,010.76	\$3,599,929.06	\$35,600.75	\$212,639.67

\*\*Used for Toy & Joy Warehouse

APPARATUS MAINTENANCE SECTION

The Apparatus Maintenance Section is supervised by the Fire Apparatus Superintendent. He has a staff of 3 auto mechanics (fire fighter grade) and 2 utility workers. This Section provides around-the-clock repair, maintenance, and service for 66 pieces of fire apparatus and vans, 4 fireboats, 18 utility trucks and vans, and 38 automobiles.

In addition to preventive maintenance, repairs, overhauling, modifications, annual equipment tests and annual pump tests, this Section procures, tests, evaluates, and distributes fire fighting equipment, tools and supplies used by the Fire Fighting Division.

Two 1750 g.p.m. pumper-chemical units were outfitted and placed in service at Engine 4 and Engine 8. Each unit, in addition to meeting the full requirements for an engine, carries 300 gallons of water, 50 gallons of light water, 80 gallons of high expansion foam, 400 pounds of carbon dioxide, and a fixed turret for either foam or water application.

Delivery was taken on the new fireboat. It failed to meet performance specifications. After a considerable amount of modification, it was again tested, found satisfactory, and was placed in service in the upper harbor.

One new rescue-command unit was built, equipped, and placed in service as Rescue 1.

One new van was purchased to replace Rescue 3.

Seven automobiles, two station wagons, and one service van were purchased for replacements during the year.

Proficiency examinations were conducted for drivers, pump operators, fireboat engineers, and pilot trainees throughout the year, and certificates were issued to qualified personnel.







RESERVE TRUCKS

Co. No.	Location	App. No.	Make	Type	In Service	Motor or I.D. No.	Cost
Trk. 1R	Eng. 21	48	Seagrave	100' Tractor	12-01-39	A-2510	\$ 21,800.00
2R	Eng. 13	29	GMC	City Service B	6-25-54	5035750	19,401.27
3R	TS #2	49	GMC	City Service B	10-19-54	5035654	20,568.81
							\$ 61,770.08
COMPRESSOR TRUCKS							
Comp. 2	Eng. 7	6	GMC	Breathing Air	3-22-56	37338PY1008	\$ 15,701.68
SQUAD							
Sq. 1	Eng. 21	41	GMC	Emerg. Unit TT	4-05-62	70201149B	\$ 15,208.00
RESCUE UNITS							
Res. 1	Eng. 21	99	Dodge	Emerg. Unit	1-21-72	M39CN25500659	\$ 35,237.56
2	Eng. 9	F-54	Ford	First Aid Car	3-06-64	3P35CH426620	5,237.05
3	Eng. 22	F-31	Plymouth	First Aid Car	3-10-69	PE45-H9D-234079	2,496.00
							\$ 42,970.61
FIREBOAT TENDER							
Tur. 1	Eng. 29	23	Kenworth	H & T	6-30-48	1456K715215	\$ 11,100.24
SPECIAL EQUIPMENT							
F.A.T. Tnkr. 18	Warehouse Eng. 18	22 1	GMC GMC	Utility Compressor HBT 500 gal. water tank	6-14-42	B22811-0997	\$ 1,025.00
6	Eng. 6	28	FWD	1500 gal. water tank	10-19-54	5035641	17,127.20
* 8	Eng. 8	93	GMC	HB 1350 gal. water tank	10-13-53	605094	23,071.05
*Tr. Cen. Jeep 1	Drill Yard Eng. 21	F-95	Dodge	Gas & Diesel Trk.	8-17-67	D20191	23,149.72
Jeep 2	Eng. 27	F-11	Willys	Jeep (open)	12-31-67	T12086194	2,275.00
***Truck	Eng. 29	58	Ahrens-Fox	Jeep (closed)	1-01-60	42862	175.00
				75' Aerial truck	10-30-59	53967	152.00
					10-01-28	112440	15,750.00
							\$ 82,724.97

\* Diesel Engine

\*\* Purchase price including Trade-in

\*\*\* Out of Service

FIREBOATS

Locations	Name	Builder	Date Purchased	Cost
Fireboat 1 (at Bt. 2)	Mike Laudenklos	Baker Constr. Co.	2-1-27	\$ 103,615.16
Fireboat 2	David Campbell	Baker Constr. Co.	2-1-27	103,615.16
Fireboat 3	Karl Gunster	Baker Constr. Co.	2-1-27	103,615.16
Fireboat 4 (at Bt. 1)	Virgil Spencer	Rohr Corporation	1-7-72	147,889.00
				\$ 458,734.48

DESCRIPTION OF FIREBOATS 1, 2, & 3

HULL: Steel, Length 87'6": Beam 20'6": Draft 6': Gross Tonnage 76 Tons: Net Tonnage 46 Tons: 3 Turrets: 12 gated 3½" hose line connections.

PUMPING ENGINES: Two Hall Scott: 12 Cylinder 550 H.P. directly connected to 10" x 8" centrifugal pumps with capacity of 3500 G.P.M. each.

PROPULSION ENGINES: Two Hall Scott V 12 - 550 H.P. 2:1 reduction. Byron Jackson multi-stage 10" x 8" centrifugal pumps with capacity of 2750 G.P.M. each, clutch connected off front of propulsion engines.

RATED PUMPING CAPACITY:

12,500 G.P.M. @ 150 p.s.i.

DESCRIPTION OF FIREBOAT 4

HULL: Aluminum, Length 43': Beam 16': Gross Tonnage 32.57 Tons: Net Tonnage 22 Tons: 2 Turrets: 4 gated 3½" outlets, 2 gated 2½" outlets.

ENGINES: Two 12 V-71 N 400 H.P. Detroit Diesel.

PROPULSION: Twin Jacuzzi Jet PTO driven off rear of engines.

PUMPS: Two Jacuzzi three-stage turbine PTO driven off front of engine.

RATED PUMPING CAPACITY:

6,000 G.P.M. @ 150 p.s.i.



A U T O M O B I L E S

Used By	Code No.	Make	Type	Motor or O.D. No.	Date Purchased	Cost
Chief	F-60	Plymouth	4-dr. Sed.	RL41-G2G-180612	5-05-72	\$ 2,710.97
Executive Officer	F-59	Plymouth	4-dr. Sed.	RL41-G2G-180609	5-05-72	2,710.97
Assistant Chiefs	F-62	Plymouth	4-dr. Sed.	RL41-G2G-180611	5-05-72	2,710.97
District 1 Chief	F-17	Plymouth	Sta. Wgn.	PL45NOD241581	5-25-70	2,596.66
District 2 Chief	F-55	Dodge	Sta. Wgn.	DL45-P2D-229061	3-31-72	3,405.99
District 3 Chief	F-56	Dodge	Sta. Wgn.	DL45-P2D-229060	3-31-72	3,405.99
District 4 Chief	F-18	Plymouth	Sta. Wgn.	PL45NOD241584	5-25-70	2,596.66
Staff	F-61	Plymouth	4-dr. Sed.	RL41-G2G-180606	5-05-72	2,710.97
Fire Marshal	F-63	Plymouth	4-dr. Sed.	RL41-G2G-180610	5-05-72	2,710.97
Asst. Fire Marshal	F-14	Ford	4-dr. Sed.	OR28F140652	4-29-70	1,828.55
Chief Investigator	F-37	Ford	4-dr. Sed.	9R31F148667	4-01-69	1,740.73
Fire Investigator	F-36	Ford	4-dr. Sed.	9R31F148667	4-01-69	1,740.73
Fire Prevention	F-38	Ford	4-dr. Sed.	9R31F148668	4-01-69	1,740.73
Fire Prevention	F-6	Plymouth	4-dr. Sed.	PE41F8D197942	2-16-68	1,889.90
Fire Prevention	F-7	Plymouth	4-dr. Sed.	PE41F8D197941	2-16-68	1,889.90
Fire Prevention	F-1	Plymouth	4-dr. Sed.	PE41F8D197943	2-16-68	1,889.90
Fire Prevention	F-2	Plymouth	4-dr. Sed.	PE41F8D197944	2-16-68	1,889.90
Fire Prevention	F-3	Plymouth	4-dr. Sed.	PE41F8D197945	2-10-68	1,889.90
Fire Prevention	F-94	Plymouth	2-dr. Sed.	PE21F74178780	3-07-67	1,767.00
Fire Prevention	F-33	Ford	4-dr. Sed.	9R31F48666	4-01-69	1,740.73
Fire Prevention	F-35	Ford	4-dr. Sed.	9R31F148670	4-01-69	1,740.73
Fire Prevention	F-89	Plymouth	4-dr. Sed.	PE41F74-178987	3-07-67	1,798.15
Fire Prevention	F-90	Plymouth	4-dr. Sed.	PE41F74-223811	4-28-67	1,798.15
Fire Prevention	F-92	Plymouth	2-dr. Sed.	PE21F74-175779	3-07-67	1,767.40
Fire Prevention	F-93	Plymouth	2-dr. Sed.	PE21F74-175778	3-07-67	1,767.40
Fire Prevention	F-98	Plymouth	4-dr. Sed.	PK41H80196980	2-16-68	2,287.55
Fire Alarm Telegraph	F-15	Ford	4-dr. Sed.	OR28F140656	4-29-70	1,828.55
Fire Alarm Telegraph	F-13	Ford	4-dr. Sed.	OR28F140649	4-29-70	1,828.55
Training Division	F-58	Plymouth	4-dr. Sed.	RL41-G2G-180608	5-05-72	2,710.97
Training Division	F-86	Ford	Sta. Wgn.	7P7DHL47862	4-28-67	2,231.35
Apparatus Division	F-16	Ford	4-dr. Sed.	OR28F140666	4-29-70	1,828.55
Apparatus Division	F-57	Plymouth	4-dr. Sed.	RL41-G2G-180607	5-05-72	2,710.97
Apparatus Division	F-4	Plymouth	Sta. Wgn.	PE45G8D196945	2-16-68	2,480.30
Apparatus Division	F-29	Plymouth	Sta. Wgn.	P45H9D23080	3-10-69	2,496.00
Apparatus Division	F-30	Plymouth	Sta. Wgn.	P45H9D234081	3-10-69	2,496.00
Apparatus Division	F-5	Plymouth	Sta. Wgn.	PE45G8D196946	2-16-68	2,480.30
Apparatus Division	F-34	Ford	4-dr. Sed.	9R31F151046	4-01-69	1,740.73
						\$81,559.77

S E R V I C E T R U C K S

Location	App. No.	Make	Type	Motor or I.D. No.	Date Purchased	Cost
Fire Alarm Telegraph	F-12	Ford	8 Yd. Dump Truck	F50V4R21206	11-03-54	\$ 2,650.36
Fire Alarm Telegraph	F-28	GMC	Panel Delivery Van	P2502-N1352B	6-01-60	3,385.94
Fire Alarm Telegraph	F-84	Ford	Delivery Van	F50-BRB28365	6-13-67	3,300.15
Fire Alarm Telegraph	F-8	Chevrolet	3/4 Ton Pickup	CS248Z158598	7-25-68	2,195.42
Fire Alarm Telegraph	F-48	GMC	Aerial Ladder Truck	V4005-F19594E	6-01-65	10,493.46
Fire Alarm Telegraph	F-49	International	Aerial Ladder Truck	SB11805E	8-09-60	6,167.90
Building Division	F-20	Dodge	Van	B31BE2U552193	2-22-72	3,214.27
Building Division	F-32	International	Metro Van	AML20-M12899A	6-30-59	2,781.00
Building Division	F-82	Ford	Econoline Van	E16AH847885	6-14-66	2,419.77
Building Division	F-85	Ford	Panel	E50BR28364	7-25-67	2,480.00
Building Division	F-96	GMC	1/2 Ton Flatbed	B22811-2417	1-09-42	1,025.00
Building Division	F-97	Dodge	Step Van	1982153984	7-25-68	2,437.10
Apparatus Division	F-9	Chevrolet	3/4 Ton Pickup	CS248Z158573	7-25-68	2,195.42
Apparatus Division	F-10	Chevrolet	3/4 Ton Pickup	CS248Z158554	7-25-68	2,512.39
Apparatus Division	F-52	Chevrolet	2 Ton Flatbed	6UKL046	5-13-63	900.00
Apparatus Division	F-81	Ford	3/4 Ton Utility	F254K858406	9-07-66	3,511.89
Apparatus Division	F-22	Dodge	Van	B31BE2U559132	3-23-72	3,305.97
Communications Vans:						
District 1 Eng. 5	F-41	International	1/2 Ton Metro Van	BD220507663	12-27-57	3,790.26
District 2 Eng. 21	F-42	International	1/2 Ton Metro Van	BD220507673	12-27-57	3,790.26
District 3 Eng. 24	F-43	International	1/2 Ton Metro Van	BD220507642	12-27-57	3,790.26
District 4 F.A.T.	F-44	International	1/2 Ton Metro Van	BD220507630	12-27-57	3,790.26
District 4 Eng. 7	F-45	International	1/2 Ton Metro Van	BD220507644	12-27-57	3,790.26
Toy & Joy Warehouse	F-39	International	1/2 Ton Metro Van	AML22M7415B	8-06-58	3,074.98
						\$77,002.32

O L D S T E A M E N G I N E S N O T I N U S E

Location	Make	Class	Gallon Capacity	Dept. No.	Factory No.
State Game Commission	American	LaFrance	600	216	3121
Oregon Historical Society	Amoskeg	4th Class	260	325	213



I N V E N T O R YREAL ESTATE - LAND & BUILDINGS

Fire Stations - Double	11	\$ 2,083,276.87
*Fire Stations - Single	16	990,035.03
Drill Tower		34,585.94
Training Station #2		21,775.00
Fire Alarm Telegraph		399,381.08
Fire Alarm Telegraph Whse.		52,053.86
Maintenance Shop - Automotive		21,386.18
Pump School Building		7,393.54
Reserve Station (Old E-17)		20,613.94
Proposed Station Eng. 1		<u>5,028.37</u>
	(Land only)	

\$ 3,635,529.81

MOBILE EQUIPMENT

	Active	Reserve	
Automobiles	37		\$ 81,559.77
Pumpers	25	8	823,580.40
Ladder Trucks	10	3	534,920.11
Manifolds	2	1	45,826.51
Compressors	1		15,701.68
Quads	1		23,055.89
Squad	1		15,208.00
Rescue Units	3		42,970.61
Truck-Water Tankers	3		63,347.97
Truck-Gasoline	1		2,275.00
Trucks-Maintenance	17		54,976.04
Compressor-Maintenance	1		1,025.00
Hose & Booster Wagon		1	17,130.45
Panels - Communications Vans	6		22,026.28
Jeeps	2		327.00
Fireboats	3	1	458,734.48
Fireboat Tender	1		11,100.24
Out of Service (75' Aerial Trk.)	<u>114</u>	<u>1</u>	<u>15,750.00</u>
		<u>15</u>	

2,229,515.43

Estimated Cost of Equipment  
& Furnishings

212,639.67

Estimated Cost of Fire Alarm  
Cable, Overhead Lines, etc.

1,517,390.00

\$ 7,595,074.91

Total

\*Includes 1 Houseboat

FIRE HOSE STATUS

(as of June 30, 1972)

FIRE HOSE INVENTORY ACCORDING TO SIZE

Size	Lengths	Feet
1-1/2"	896	44,800
2-1/2"	1,092	54,600
3"	993	49,650
3-1/2"	159	7,950
4"	<u>6</u>	<u>600</u>
TOTALS	3,146	157,600

FIRE HOSE INVENTORY ACCORDING TO AGE1-1/2" FIRE HOSE (896 lengths):

Year Purchased	Over 10 Years	Under 10 Years	Percent of Total
1953	9		1.01%
1963		7	.78%
1964		47	5.27%
1965		106	11.85%
1966		71	7.94%
1967		117	13.08%
1968		118	13.17%
1969		151	16.97%
1970		109	12.17%
1971		120	13.19%
1972	-	<u>41</u>	<u>4.58%</u>
TOTALS	9 (1.0%)	887 (99.0%)	100.00%

2-1/2" FIRE HOSE (1,092 lengths):

Year Purchased	Over 10 Years	Under 10 Years	Percent of Total
1957	67		6.13%
1958	22		2.00%
1962	37		3.38%
1963		214	19.58%
1965		233	21.33%
1967		138	12.63%
1968		53	4.85%
1969		177	16.28%
1970		2	.18%
1971		<u>149</u>	<u>13.64%</u>
TOTALS	126 (11.63%)	966 (88.37%)	100.00%



FIRE HOSE INVENTORY ACCORDING TO AGE (cont)

3" FIRE HOSE (993 lengths):

Year Purchased	Over 10 Years	Under 10 Years	Percent of Total
1962	308		31.02%
1964		224	22.56%
1967		92	9.26%
1968		131	13.19%
1970		156	15.71%
1972		82	8.26%
TOTALS	308 (31.02%)	685 (68.98%)	100.00%

3-1/2" FIRE HOSE (159 lengths):

Year Purchased	Over 10 Years	Under 10 Years	Percent of Total
1955	17		10.69%
1965		21	13.21%
1966		40	25.16%
1968		81	49.06%
TOTALS	17 (10.69%)	142 (89.31%)	100.00%

4" FIRE HOSE (6 lengths):

Year Purchased	Over 10 Years	Under 10 Years	Percent of Total
1971		6	100.00%
TOTALS		6	100.00%

DISTRIBUTION OF FIRE HOSE (Shown as lengths)  
feet

	1-1/2"	2-1/2"	3"	3-1/2"	4"
Assigned to First Line Companies:	660 33,000	823 41,150	780 39,000	36 1,800	6 600
Assigned to Reserve Fire Companies:	120 6,000	186 9,300	150 7,500	87 4,350	
In Reserve at Fire Hose Warehouse:	52 2,600	83 4,150	63 3,150	36 1,800	
Used as Test Hose:	7 350				

DISTRIBUTION OF FIRE HOSE (Shown as lengths)  
feet (cont)

	1-1/2"	2-1/2"	3"	3-1/2"	4"
Used as Washdown Hose:	47 2,350				
Assigned to Training Center:	10 500				
TOTALS	896 44,800	1,092 54,600	993 49,650	159 7,950	6 600

ACQUISITION AND DISPOSAL OF FIRE HOSE

NEW FIRE HOSE PURCHASED:

Date	Size	No. of lengths
6/6/72	1-1/2"	40
6/6/72	3"	80

HOSE CONDEMNED AND REMOVED FROM FIRE BUREAU CONTROL:

1-1/2" Fire Hose	:	88 lengths
2-1/2" Fire Hose	:	56 lengths
3" Fire Hose	:	83 lengths
3-1/2" Fire Hose	:	1 length
TOTAL		228 lengths

FIRE HOSE REPAIR

During the fiscal year, 35 lengths of assorted fire hose were repaired at the Municipal Shops at a total cost of \$456.12. An additional 12 lengths of assorted fire hose were repaired by the Fire Bureau, using contact cement.

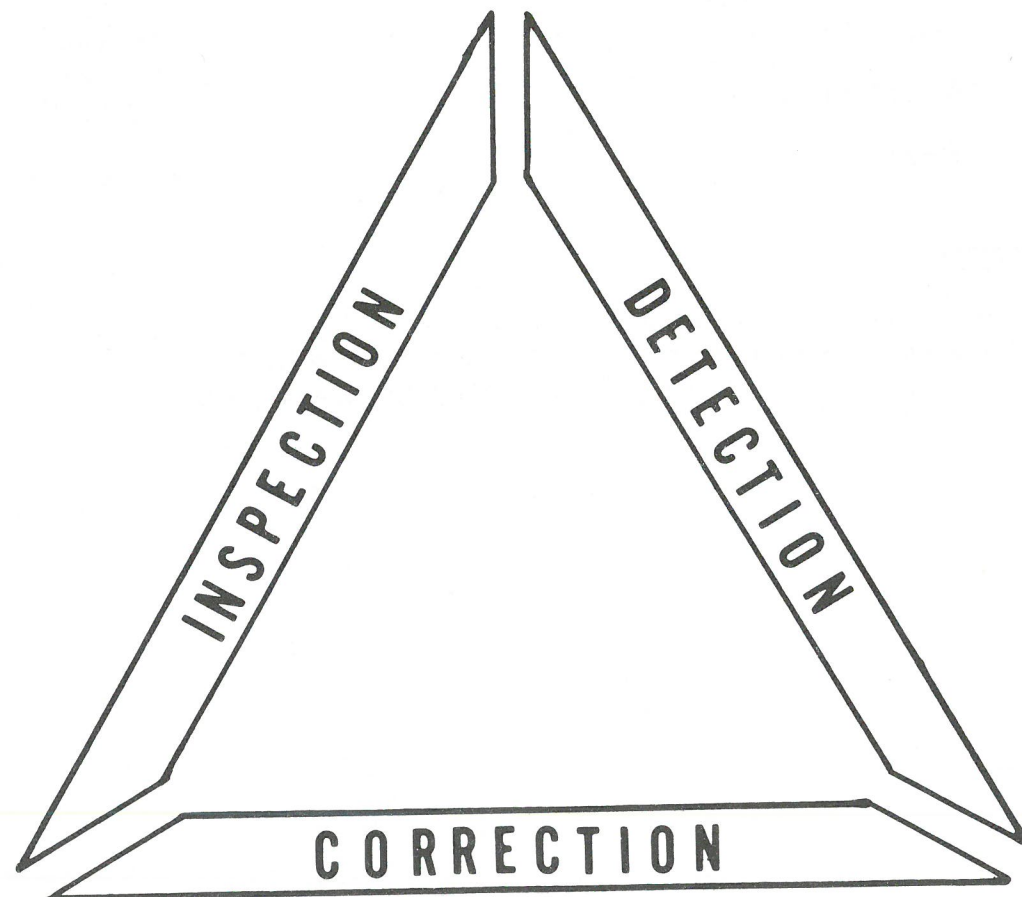


# FIRE PREVENTION DIVISION

The Fire Prevention Division is responsible for the inspection and abatement of fire hazards, the enforcement of fire codes and ordinances, the examination of building plans for fire code compliance, the investigation of fire causes, and the conducting of an educational fire prevention program.

The Division is headed by a Fire Marshal (Assistant Chief grade), assisted by an Assistant Fire Marshal (Battalion Chief grade). The Assistant Fire Marshal supervises the Inspection Section. Directly under him are two Senior Fire Inspectors (Captain equivalent), each in turn supervising seven district Fire Inspectors (Lieutenant equivalent). Five other Fire Inspectors are assigned to the specialized fields of building plans examination, sprinkler systems, flammable liquid installations, institutional occupancies, and schools.

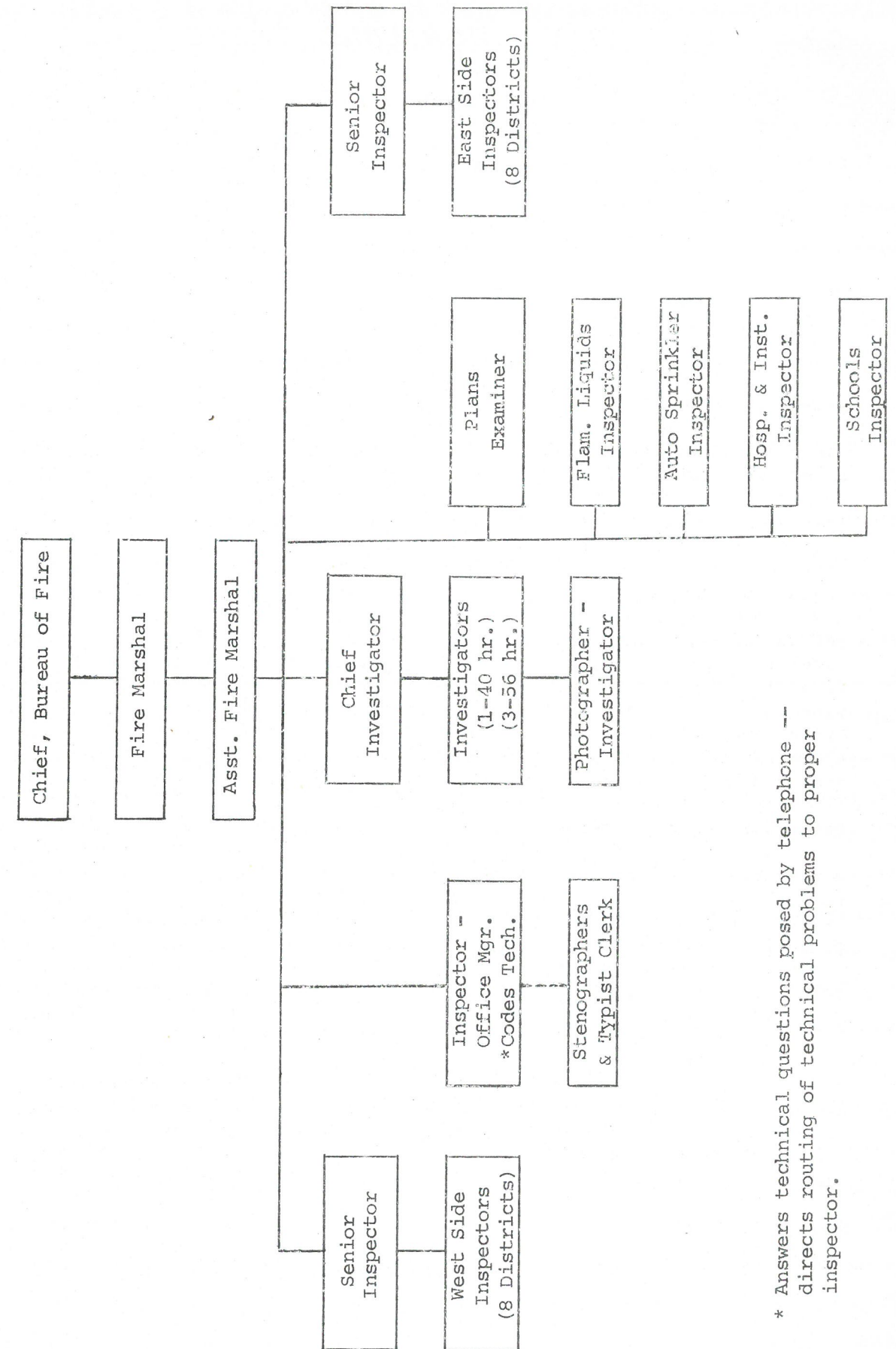
The Fire Investigation Section (Arson Squad) is headed by a Senior Fire Inspector (Captain grade) and includes four Fire Inspectors (Lieutenant equivalent) and two police officers on full time detail, one a Detective Sergeant and one a Detective.



PORTLAND FIRE BUREAU

FIRE PREVENTION DIVISION

PORTLAND, OREGON



\* Answers technical questions posed by telephone -- directs routing of technical problems to proper inspector.





CONNIE McCREADY  
Commissioner

JAMES H. RIOPELLE  
Chief

## CITY of PORTLAND, OREGON

### FIRE PREVENTION DIVISION

55 S.W. ASH STREET 97204

JAMES R. KERR, FIRE MARSHAL



Phone 228-6141  
Ext. 485

Dear Chief Riopelle:

The statistical report which follows this letter presents a picture that is anything but bright, but it is not as discouraging in most respects as last year. Loss of life was considerably less this year and loss of property from fire has lessened to some degree in spite of an increase in property values. Of great potential is a stirring in Washington, D. C., by Congress, which is beginning to comprehend the enormity of the ravages of fire, nationwide, and to take some remedial action. It is axiomatic that some of the well-intended remedial steps will cause some headaches at municipal level until the intent of the Congress and the methods of implementation of its acts are worked out. However, a great deal of local resistance to safety rules and regulations dissipates when the threat of federal assumption of authority becomes evident. The review of local building, plumbing, electrical, housing and fire codes by the Department of Housing and Urban Development is a case in point. It should eventually serve to standardize a desirable level of built-in safety from fire in all types of buildings, but we are experiencing a period of adjustment to a federal requirement in the interim.

Until buildings are better prepared to resist fire not only to the building but also to its contents, the annual report of this division will continue to reveal a regretful level of loss to life and property in spite of our efforts. I am only thankful this year to be able to say that although Portland experienced twelve fire deaths in the calendar year 1971, that is only half the toll of the preceding year. All twelve deaths were in the homes of the deceased, eight of the twelve died of asphyxiation, and seven of the fires were caused by smokers' carelessness. It does not take an in-depth study of this situation to indicate the need for smoke-sensitive alarm equipment in dwellings, and this promises to be a code requirement in the 1973 Uniform Building Code.

Although the total number of alarms declined by 7% from last year, 8,590 compared to 9,271, the number of false alarms increased from 11% to more than 15% of the total. We will welcome the day when the average citizen begins to realize what false alarms are costing him and cooperates with us in our efforts to combat them.

Our property fire loss for 1971, which totaled \$4,323,551.00, was over one-and-a-quarter million dollars less than the preceding year, but it still averaged out to \$11.25 loss per person, an appalling figure. Of this amount, one arson fire

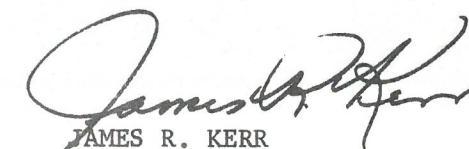
accounted for \$2,250,000, another for \$100,000, and a third probable arson for \$125,000. These three malicious fires alone therefore account for more than 57% of the year's loss.

District fire inspectors from this office made 30,299 routine and special inspections, in which 12,830 hazards and code violations were noted and corrected. Inspector specialists made 2,132 inspections of hospitals, schools, institutions, flammable liquid and compressed gas installations, etc. 3,225 plans for new buildings and for building alterations were examined and approved by the fire marshal plans examiner.

During the year we managed at long last, through the cooperation of our lady commissioner and a number of other people at City Hall, to get the cellar and first floor of the City Hall protected by the installation of a combination of automatic sprinklers and combustion detectors, all tied to a Master Box for prompt fire department notification.

In this and other endeavors we have again this last year enjoyed a close and harmonious relationship with the many other city and county bureaus and agencies with whom we have dealt, and our commissioner has given us her full support.

Respectfully submitted,

  
JAMES R. KERR  
Fire Marshal



HAPPINESS IS...



Being a winner in the Fire Prevention Poster Contest.



Finding your Best Friend alive and well.

## SUMMARY OF INSPECTION WORK

Calendar Year 1971

Total Number Of District Fire Inspections . . . . .	22,555
Special Inspections (Complaints) . . . . .	7,744
Total Number Of Violations Or Hazards Noted . . . . .	14,971
Total Number Of Abatements Or Corrections . . . . .	12,830
Hospital And Institutional Home Inspections . . . . .	822
Theaters Inspected . . . . .	199
Clubs And Other Places Of Public Assembly (Night Inspections) . .	165
Schools Inspected: College, Nursery, Public And Parochial . . .	822
Fire Prevention Lectures . . . . .	365
Fire Exit Drills . . . . .	1,522
Fire Marshal Permits . . . . .	1,541
Certificates Of Fitness . . . . .	364
Oil Burning Equipment Installations, Permits And Inspections . .	381
Gasoline Tank And Pump Permits And Inspections . . . . .	82
Bulk Oil Storage Applications Processed For Council Action And Permitted By Ordinance . . . . .	7
Revenue From Fees: All Permits, Fire Reports, Etc. . . . .	\$10,333.11
Bulk Oil Storage . . . . .	700.00
	<u>\$11,033.11</u>
Licenses: Inspection For Approval . . . . .	502
Plans Examined And Approved By Fire Marshal Plans Examiner: New Construction And Alterations . . . . .	3,225
Propane Permits And Installations . . . . .	18*

(\*Actual number of permits issued. Does not include any extra inspections.)



# SUMMARY OF FIRE ALARMS

Calendar Year 1971

Incidents In Buildings	1,134
Fires In Buildings (By Construction)	
Type I and II (Fire Resistive, Noncombustible)	21
Type III (Masonry Walls, One-Hour Combustible)	109
Type IV (Metalclad)	9
Type V (Frame)	995
Incidents Other Than Buildings	7,456
Mobile Stock Fires	680
Auto Fires	67
Trucks, General	7
Vehicles, Public	28
Other Vehicles	3
Railroad Cars	4
Boats And Ships	1,184
Grass, Trash, Brush And Bonfires, Etc.	245
Outside - Mutual Aid	1,176
First Aid	1,320
False Alarms	363
Wash Downs	1,013
Smoke Or Steam Scares	218
Accidental Or Defective Alarms	33
Railroad Right-Of-Way	238
Mistaken Alarms	1
Explosions	3
Bomb Scares	873
Other Public Service	

Total Calls 8,590

## ALARMS RECEIVED

Box	1,430
Telephone	6,733
Still	318
ADT	77
Radio	32
Total	8,590

## GREATER ALARMS

2nd Alarms	10
3rd Alarms	4
4th Alarms	1
5th Alarms	2
Total	17

# SUMMARY OF FIRE ALARMS

Calendar Year 1971

## VALUES INVOLVED IN FIRE

Total Value Of Buildings	\$ 286,065,210
Total Value Of Contents	108,755,640
Total Value of Equipment	33,707,775

TOTAL \$ 428,528,625

Total Loss Of Buildings	\$ 2,389,400
Total Loss Of Contents	1,264,818
Total Loss Of Equipment	669,333

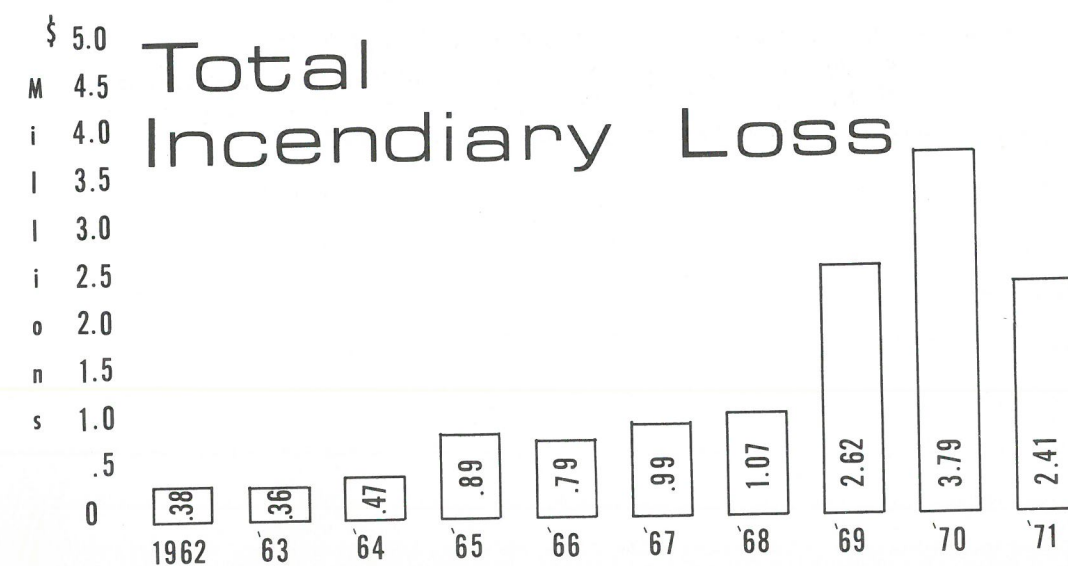
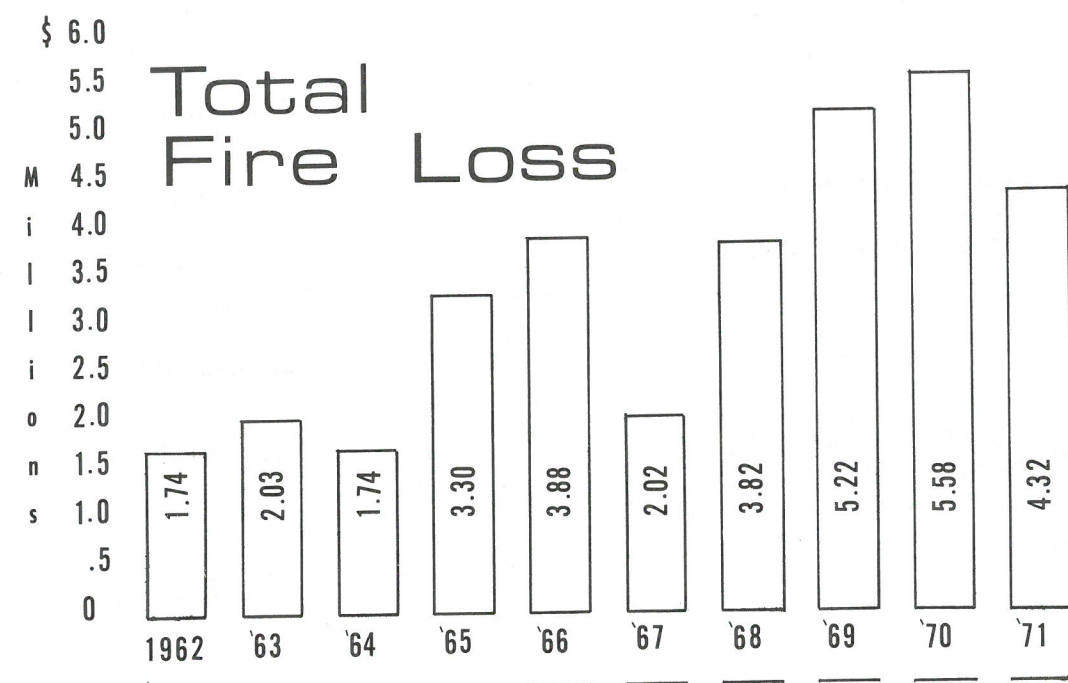
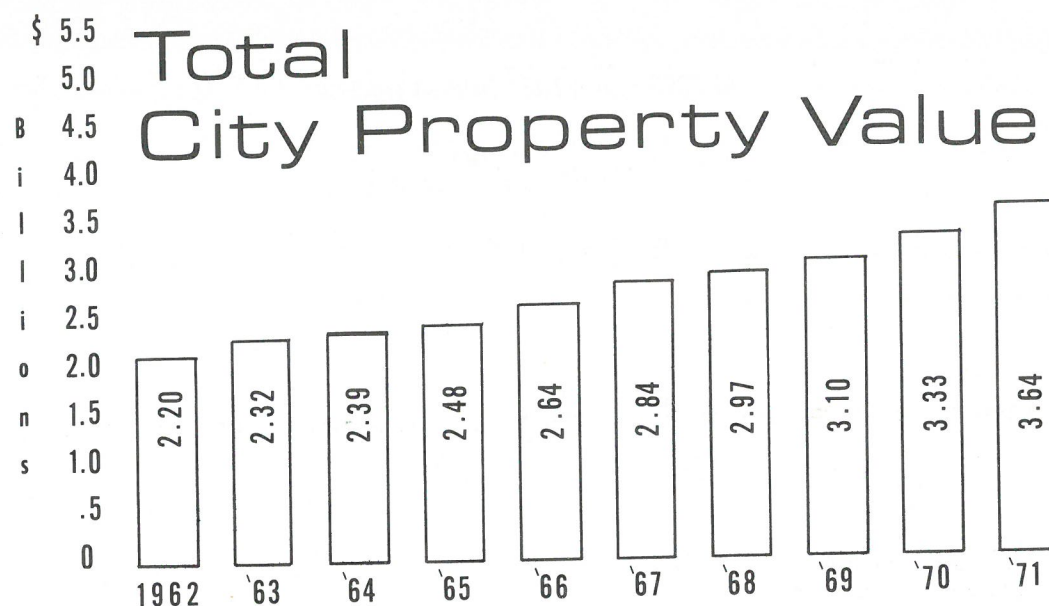
TOTAL \$ 4,323,551

Total Insurance On Buildings	\$ 1,734,300
Total Insurance On Contents And Equipment	412,500

TOTAL \$ 2,146,800

NOTE: Some of the above figures are obtained from State Fire Marshal's data and Insurance Commissioner's Reports and may not agree with other annual report figures due to differences in report cut-off dates.





**REPORT OF FIRE INVESTIGATOR**  
January 1, 1971 - December 31, 1971

FIRES INVESTIGATED

Arson, Probable Arson And Attempted Arson . . . . .	442	
Juveniles With Fire . . . . .	171	
Fires Investigated With Cause Unknown . . . . .	10	
Fires Investigated And Found Not Incendiary . . . . .	288	911
Interviews And Interrogations By Investigators And Detectives . . . . .	6,020	

INCENDIARY, SUSPICIOUS AND JUVENILE LOSS BY CAUSE

Arson, Probable Arson And Undetermined, Suspicious . . . . .	\$2,205,118
Juvenile Caused Fires (All Types) . . . . .	\$ 210,235
Total . . . . .	\$2,415,353

PERSONS APPREHENDED FOR FIRE SETTING, INSURANCE FRAUD, BURNING WITHOUT A PERMIT OR INTERFERRING WITH FIREMEN

Juvenile With Fire . . . . .	180	
Juvenile Arson . . . . .	52	
Arson (Adults Over 18) . . . . .	16	
Interferring With Firemen . . . . .	1	
Burning Without A Permit . . . . .	1	250

DISPOSITION OF INDIVIDUALS APPREHENDED

Persons Convicted And/Or Committed For Arson . . . . .	28	
Juveniles (7 To 18 Years) = 10 . . . . .		
Adults (Over 18 Years) = 18 . . . . .		
Juveniles Remanded To Parents . . . . .	181	
Juveniles Referred To Juvenile Court Or In Custody Of Juvenile Home . . . . .	41	250

DISPOSITION OF ADULTS

Awaiting Trial . . . . .	1	
Convicted, Placed On Probation . . . . .	7	
(Five on 3-years probation) . . . . .		
(Two on 5-years probation) . . . . .		



REPORT OF FIRE INVESTIGATOR  
January 1, 1971 - December 31, 1971

DISPOSITION OF ADULTS (Continued)

Convicted And Sentenced . . . . .	3	
(One For 3-years)		
(One For 10-years)		
(One For 7-days)		
Committed To State Hospital	4	
Reduced To Disorderly Conduct . . . . .	1	
Dismissed By Circuit Court Judge	2	18

FALSE ALARMS

Total Number Of False Alarms . . . . .	1,320
Total Number Of False Alarms Cleared	85
Total Number Of Persons Apprehended . . . . .	70

DISPOSITION OF INDIVIDUALS INVOLVED IN FALSE ALARMS

Adults Arrested	5	
Juveniles Apprehended: Referred To Juvenile Division	18	
Remanded To Parents	47	70

FIRE DEATHS  
Calendar Year 1971

- 1 ) LIAM J. KELLY, 21, died January 23, 1971 of smoke inhalation in a dwelling fire at 2135 N. Skidmore Terrace. Cause: Smoker's carelessness.
- 2 ) PATRICIA EILEEN FIELDS, 25, died January 30, 1971 of smoke inhalation in her apartment at 4940 N. E. Irving. Cause: Combustibles too near a baseboard heater.
- 3 ) MABEL HAMILTON, 89, died January 31, 1971 of severe burns to her body and resulting complications from a dwelling fire occurring January 19, 1971 at 6704 S. E. Knight. Cause: Probable electrical.
- 4 ) REBECCA CLEMENTINE GABLE, 4 months
- 5 ) JOHNNY GABLE, 3 1/2, both died March 12, 1971 of asphyxiation and smoke inhalation in a dwelling fire at 414 S. E. 22nd, a duplex. Cause: Probable smoker's carelessness.
- 6 ) PEARL HANNA, 81, died March 18, 1971 of severe burns to 60 percent of her body sustained in an apartment fire at 711 S. E. 11th, occurring March 15, 1971. Cause: Smoker's carelessness.
- 7 ) HELEN ADAMS, 55, died April 1, 1971 of smoke inhalation and severe burns to 75 percent of her body sustained in a dwelling fire at 2911 S. E. 67th, occurring March 27, 1971. Cause: Accidentally ignited bathrobe she was wearing with a match and cigarette.
- 8 ) JAMES W. PARRISH, 84, died May 19, 1971 of smoke inhalation in a dwelling fire at 4635 N. E. Rodney. Cause: Smoker's carelessness.
- 9 ) ALISA JOY MAKIN, 1 1/2, died May 30, 1971 of asphyxiation by smoke inhalation in a dwelling fire at 5115 S. E. 47th. Cause: Possible incendiary.
- 10) STANLEY JOHNSON, 76, died June 18, 1971 of smoke inhalation and severe burns to 75 percent of his body in an apartment fire at 710 N. W. 21st. Cause: Electrical shorting in receptacle plug.
- 11) FRANCES M. WOODALL, 37, died November 4, 1971 of carbon monoxide poisoning combined with barbituates in her apartment at 6519 S. E. Foster Road. Cause: Smoker's carelessness



FIRE DEATHS  
Calendar Year 1971

- 12) JACK N. STAPLETON, 58, died November 17, 1971 of smoke inhalation sustained in a fire in his apartment at 3035 S. E. Ankeny occurring November 9, 1971. Cause: Smoker's carelessness.

BUILDING INCIDENTS BY CAUSE  
Calendar Year 1971

	Number Of Calls
<u>Heating Equipment</u>	
Chimney Or Flue . . . . .	42
Electric Heater (Portable)	8
Electric Heater (Wall) . . . . .	24
Fireplace	23
Furnace Or Stove (Gas) . . . . .	15
Furnace Or Stove (Hard Fuel)	11
Furnace Or Stove (Oil) . . . . .	36
Furnace Or Stove Pipes	4
Gas Range Or Stove . . . . .	8
Gas Water Heater	9
Gas Dryer . . . . .	1
Oven Heating Or Bake Oven	1
Overheated Kettle . . . . .	9
Space Heaters (Gas)	1
Steam Pipes . . . . .	3
Other Heating Equipment (Not Defined)	4
Total	199

<u>Human Elements</u>	
Candles . . . . .	23
Children With Fire Or Matches	158
Matches (Other Than Children) . . . . .	8
Smoking (Cigarette, Cigar, Etc.)	309
Torch (Cutting Or Welding) . . . . .	27
Incendiary	116
Total	641

<u>Electrical - Other Than Heating</u>	
Electric Appliance (Small, Portable) . . . . .	12
Electric Pad Or Blanket	4
Electric Dryer . . . . .	16
Electric Fixture (Outlet Plugs, Receptacles, Etc.)	6
Electric Iron . . . . .	3
Electric Light Bulb Or Lamp (Lighting Fixtures)	13
Electric Motor . . . . .	10
Radio (Short Circuit In)	2
Electric Range . . . . .	23
Television (Short Circuit In)	23
Wire (Short Circuit In) . . . . .	49
Wire (Short Circuit To Ground)	15
Ballasts . . . . .	6



# BUILDING INCIDENTS BY CAUSE

Calendar Year 1971

	Number Of Calls
<u>Electrical - Other Than Heating (Continued)</u>	
Miscellaneous Electrical Appliances (Non-Portable)	1
Total	183
<u>Miscellaneous Fires</u>	
Bonfire (Extended To Building)	1
Explosion (Fireworks, Bombs, Etc.)	6
Friction (Other Than Auto)	8
Incinerator (Extended To Building)	1
Hot Ashes	13
Open Flame	7
Molten Metal	5
Sparks From Machinery (Running)	5
Spontaneous Ignition (Bacterial)	3
Spontaneous Ignition (Drying Or Oxidation)	12
Tar Pot Or Kettle (Overheated Or Burning)	1
Miscellaneous	22
Undetermined Source of Ignition	10
Lightning	1
Sparks Or Embers	16
Total	111
TOTAL BUILDING INCIDENTS BY CAUSE	1,134

# BUREAU RESPONSE BY OCCUPANCY

Calendar Year 1971

	Total Calls
<u>Public Assembly Properties</u>	
Amusement Centers	7
Churches And Chapels	5
Night Clubs And Taverns	8
Restaurants	17
Theaters	3
Country Clubs	1
Total	41
<u>Educational Properties</u>	
Colleges Or Universities	2
Elementary Schools	5
High Schools	2
Total	9
<u>Institutional Properties</u>	
Nursing Homes	1
Hospitals And Sanitariums	8
Total	9
<u>Residential Properties</u>	
Apartments (Three To Twenty Units)	165
Dwellings	564
Hotels And Motels	46
Mobile Homes And Camp Trailers	3
Other Residential Properties	8
Total	786
<u>Mercantile Properties</u>	
Food Beverage Sales	
Markets Or Groceries	5
Creamery Dairy Stores	1



## BUREAU RESPONSE BY OCCUPANCY

Calendar Year 1971

	Total Calls
<u>Mercantile Properties (Continued)</u>	
Textile	
Clothing Stores . . . . .	6
Shoe Stores . . . . .	2
Shoe Repair . . . . .	2
Household Goods	
Furniture Stores . . . . .	5
Hardware Stores . . . . .	3
Specialty Shops	
Newsstands And Tobacco Shops . . . . .	2
Jewelry Stores . . . . .	1
Florist Shops . . . . .	2
Recreation And Hobby Supply	
Photographic Supply Sales And Studios . . . . .	1
Specialty Service	
Barber And Beauty Shops . . . . .	3
Laundries (Self-Service) . . . . .	16
Home Maintenance Services . . . . .	1
Motor Vehicles - Boats, Sales And Service	
Motor Vehicle Sales . . . . .	1
Motor Vehicle Repair . . . . .	5
Public Service Stations . . . . .	11
General Item Stores	
Department Stores . . . . .	4
Variety Stores . . . . .	2
Total	73
<u>Office, Laboratory, Communications, Utility And Raw Material Properties</u>	
Office	
General Business Offices . . . . .	19
Laboratories, Personnel Psychological . . . . .	1
Telephone Exchange - Central Office . . . . .	1
Total	21

## BUREAU RESPONSE BY OCCUPANCY

Calendar Year 1971

	Total Calls
<u>Manufacturing Properties</u>	
Food	
Meat Preparation . . . . .	2
Breweries . . . . .	1
Grain Mill Products . . . . .	1
Footwear - Wearing Apparel	
Textile Goods . . . . .	1
Rubber Products . . . . .	3
Wood - Furniture - Paper - Printing	
Printing And Publishing . . . . .	2
Wood Products . . . . .	2
Sawmills . . . . .	3
Chemical - Petroleum	
Asphalt Products . . . . .	3
Paints And Varnishes . . . . .	1
Metal Products	
Basic Iron And Steel . . . . .	8
Basic Metal . . . . .	5
Machinery . . . . .	2
Electric Appliances . . . . .	1
Transport Equipment	
Motor Vehicles . . . . .	1
Other Manufacturing	
Laundry And Dry Cleaning Plants . . . . .	4
Shipbuilding, Repairing And Dismantling . . . . .	2
Unclassified . . . . .	1
Total	43
<u>Storage Properties</u>	
Silage . . . . .	1
Barns . . . . .	4
Flammable Liquid . . . . .	3
Wood Products . . . . .	2
Other, Unclassified . . . . .	15



## BUREAU RESPONSE BY OCCUPANCY

Calendar Year 1971

	Total Calls
<u>Storage Properties (Continued)</u>	
Chemicals	1
Leather Products . . . . .	1
Garages (Private)	36
General Warehouse . . . . .	9
Goodwill Dropboxes	12
Sheds . . . . .	16
Unoccupied And Construction Properties	
Buildings Under Construction	1
Buildings Under Demolition . . . . .	3
Vacant Properties	48
Total	152
TOTAL RESPONSE BY OCCUPANCY	<u>1,134</u>

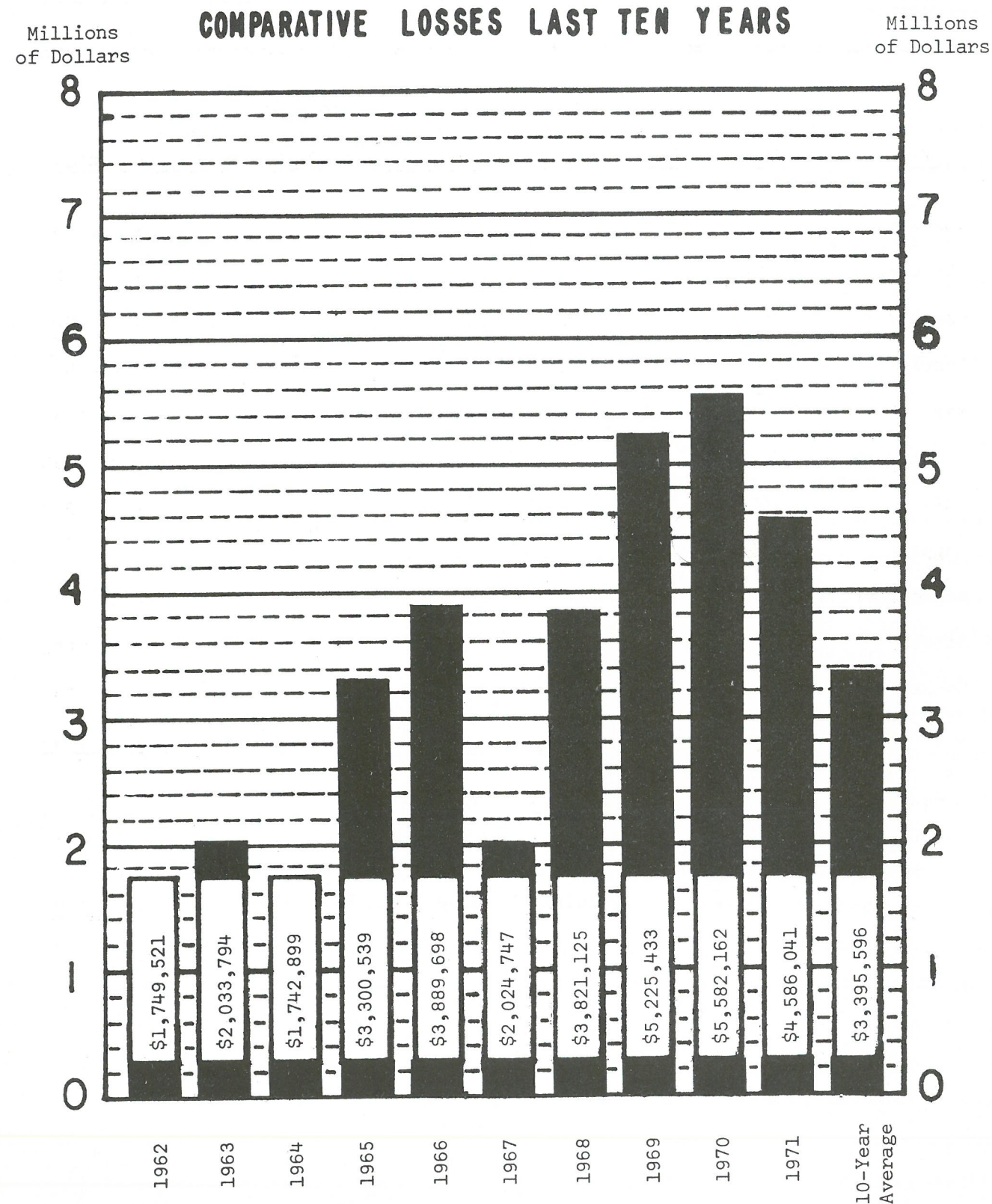
## NUMBER OF BUILDING FIRES PER RANGE OF LOSS

Calendar Year 1971

	Under \$ 999	\$1,000 To \$2,499	\$2,500 To \$9,999	\$10,000 To \$99,999	\$100,000 To \$499,999	Over \$500,000	Total
<u>1971</u>							
January	62	4	12	6	1	-	85
February	60	8	10	4	1	-	83
March	66	7	8	1	-	-	82
April	59	11	11	11	1	-	93
May	78	13	11	4	-	-	106
June	81	7	7	1	-	-	96
July	76	7	12	1	2	-	98
August	62	8	13	2	-	-	85
September	71	14	8	9	-	-	102
October	67	11	12	2	-	-	92
November	72	14	9	3	-	1	99
December	<u>77</u>	<u>14</u>	<u>17</u>	<u>5</u>	<u>-</u>	<u>-</u>	<u>113</u>
Total	831	118	130	49	5	1	1,134

TOTAL BUILDING FIRES WITH LOSS 1,134





**LOSSES WHERE FIRE DEPARTMENT WAS NOT CALLED**

*Calendar Year 1971*

		Number Of Unreported Fires	Approx. Amount Of Loss
January	.....	42	\$ 11,277
February	.....	29	8,927
March	.....	17	5,749
April	.....	31	5,451
May	.....	26	4,987
June	.....	46	13,542
July	.....	30	6,504
August	.....	26	5,083
September	.....	26	4,608
October	.....	22	3,522
November	.....	18	4,158
December	.....	23	3,961
Total		336	\$ 77,769
APPROXIMATE AVERAGE LOSS PER UNREPORTED FIRE			\$ 231



# TRAINING SECTION

The Training Section is under the supervision of the Chief Training Officer (Battalion Chief grade). Its mission is to train the members of the Fire Bureau in modern fire fighting practices and techniques. To accomplish this mission, improved techniques are continuously reviewed, probationary training programs are developed and conducted, company training programs are developed and coordinated, training literature is developed and published, and training programs and equipment are maintained and supervised. The Chief Training Officer is assisted by a staff consisting of one Fire Captain, one Fire Lieutenant, one Fire Apparatus Instructor, and one Clerk.

A summary of the activities of the Training Section during the past fiscal year follows:

## PROBATIONARY TRAINING:

All appointments to classified positions in the uniformed services of the Portland Fire Bureau are subject to a probationary period of one year from the date of the original appointment. The probationary period is an essential part of the selection process and provides an opportunity for the effective adjustment of the Fire Fighter.

In addition to his academic training as a probationary Fire Fighter, the trainee is given actual in-service fire fighting experience under the direction of an especially qualified fire fighting officer-instructor. This program combines the best of apprenticeship experience and training with academic learning. The academic teaching assures an adequate background for the trainee in order for him to progress in the art and skill of fire fighting.

There are secondary benefits to this type of probationary training: First, it generates increased interest on the part of the trainee by backing up the academic learning with an actual working experience. Secondly, there is an economic benefit to the property taxpayer in that it provides for greater utilization of manpower.

## DEPARTMENTAL TRAINING:

Training of the Fire Fighter continues after completion of the probationary training in the form of multiple company drills, battalion training drills, house drills, outside drills, company proficiency exercises, officers' briefings, flammable liquid fire suppression training, apparatus operator training, radiological monitoring training, first aid training, and other special programs as necessary. Refresher and new training is programed to keep Portland Fire Fighters and Officers proficient at all times in the skills necessary for effective fire fighting.

## TRAINING PUBLICATIONS AND MATERIALS:

Training publications and materials are developed, reviewed, and published by the Training Section staff. Visual aids are developed to demonstrate fire problems effectively and to teach improved fire tactics. New films are reviewed and purchased.

## SELF-CONTAINED MASK TRAINING:

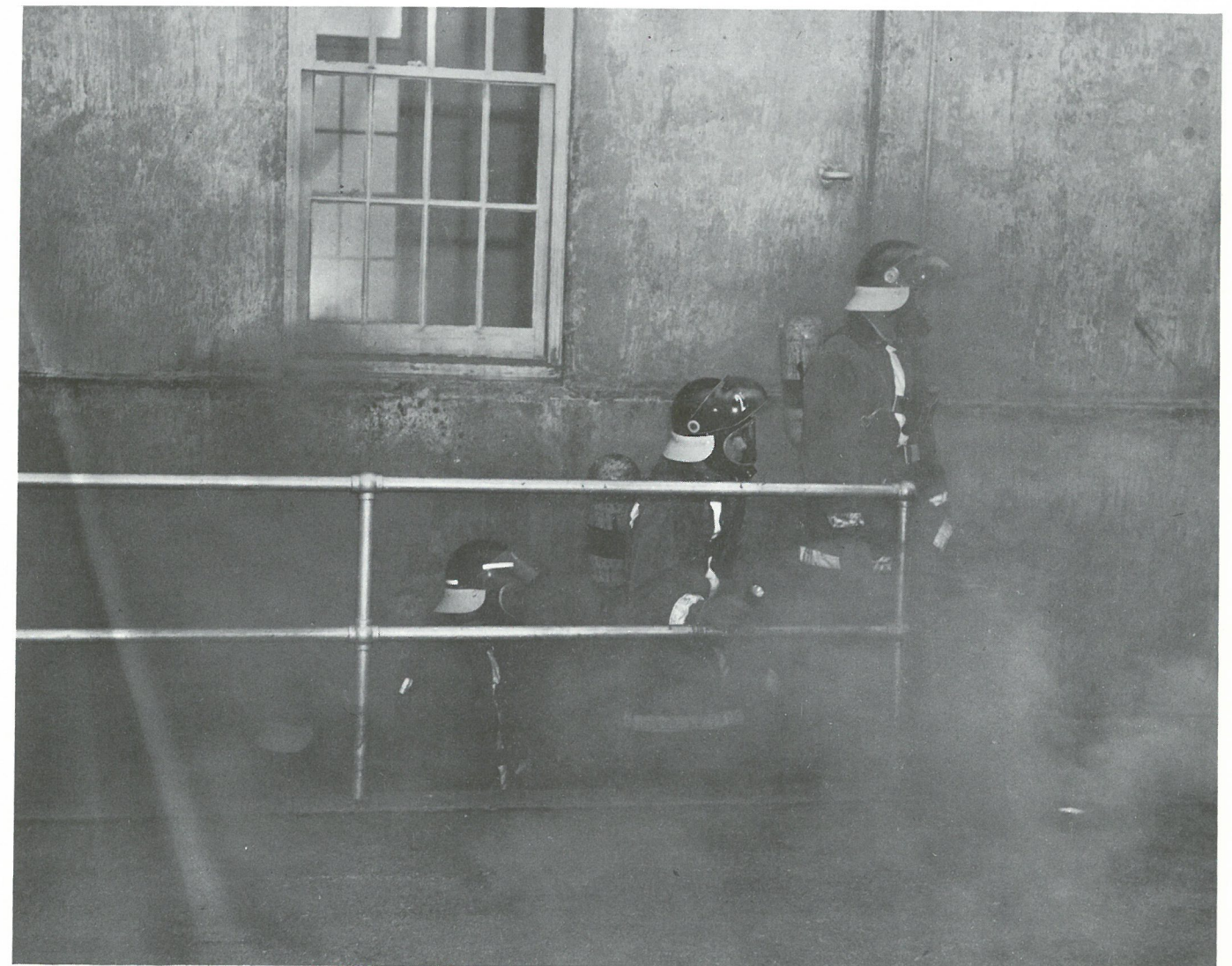
All fire fighting personnel were put through a special smoke mask training exercise to determine each member's limitations in the use of the air smoke mask. The program established the air consumption rate of each member while performing work in a contaminated atmosphere. It was found that some men require more air than others to perform a given work load.

## DEFENSIVE DRIVING:

A second defensive driving course was conducted in cooperation with the National Safety Council. This second course completed training for all chiefs and drivers of automobiles. Defensive driving, as taught by the National Safety Council, is now integrated into our driver and apparatus training certification program.

## COMPANY PERFORMANCE EVALUATION:

All companies conducted an operation which was the result of their own planning and training. It was evaluated by the Training Center staff for value and performance. It was an outstanding operation, due to the effort and enthusiasm displayed by the companies.





# SUMMARY OF TRAINING CENTER ACTIVITIES

<u>ACTIVITY</u>	<u>DATE</u>	<u>NUMBERS INVOLVED</u>
Defensive Driver Training	Jan. to July, 1972	103
Officers Briefing	Nov., 1971 and May, 1972	139 128
Self-Contained Mask Evaluations	Nov., 1971 to April, 1972	616
Engine and Truck Evaluations	May to July, 1972	561
Oil Fire Training	Throughout 1972	85
Probationary Fire Fighters Practical Examinations	Throughout 1972	24
Probationary Fire Fighters Final Written Examinations	Throughout 1972	6
Funeral Platoons For Deceased Firemen	Throughout 1972	19
Campbell Memorial Honor Guard Platoon	July, 1972	1
Apparatus Driver Training	Throughout 1972	22 New Certifications 63 Recertifications
Annual Fire Pump Test	June, 1972	23 First Line 8 Reserve
Multiple Company Training Exercises	Throughout 1972	96 Drills - 2,290 Manhours
Training Center Publications	Throughout 1972	6 Training Center Bulletins

# REPORT OF TRAINEE STATION No. 2

A program for employing unemployed or underemployed Portland residents was initiated in September, 1971. The purpose of the program was to train and indoctrinate potential candidates for Fire Bureau positions. Organization for carrying out the program was begun in October, 1971. A coordinator and an assistant were appointed, and a former fire station was renovated and made ready in the fall of 1971. The recruiting program began on October 18, 1971.

Twenty-four (24) trainees were appointed as of December 31, 1971, and twelve (12) more were appointed by January 14, 1972. By this time, the staff consisted of one captain, three lieutenants, three fire fighters, and a secretary. All trainees were enrolled in the winter term at Cascade Center, Portland Community College.

In the first part of February, 1972, the Trainee Company started responding to salvage and overhaul requests from the Fire Bureau, thereby giving practical experience to the trainees.

Community college courses continued in the spring and summer of 1972.

A comprehensive screening process for the selection of trainee candidates was inaugurated. It included:

- An application review
- A physical agility examination and eye examination
- An oral board interview
- A medical examination

Statistics on the trainee program have been compiled in the following categories:

a. Total applications	218
b. Appointed as trainees	43
c. Resigned from program	7

At this juncture, it appears to be a productive and worthy program.





# PLANS & RESEARCH

Planning is an integral part of all Fire Department activities.

In order for the Fire Bureau to provide an optimum level of fire protection at minimum cost to the citizens of Portland, it is necessary to augment planning by re-searching standards, guides, and past records. These research studies are analyzed to develop improved methods of operations and administration.

All major annexation proposals are thoroughly studied by this section prior to annexation. Particular attention is given to such items as water supply, access routes, response distances and economic implications. Reports of these findings are forwarded to the City Planning Commission to assist them in planning for City services. The Bridgeton-Faloma area, located north of Columbia Blvd., was annexed during the past year. This annexation added approximately 2-1/2 square miles to the area to be protected.

The Planning and Research Section maintains close liaison between the Bureau of Fire and other public agencies. All meetings and planning sessions of these agencies, which are related to Fire Bureau activities, are attended to assure coordination. Membership or participation in such committees includes the Fire Bureau staff, Board of Chiefs, Training Committee, Medical Disaster Committee of the Portland Association of Hospitals, State Fire Defense Board, Mayor's Administrative Review Committee, and educational committees.

The Portland Bureau of Fire provides fire prevention and suppression services to water and rural fire protection districts and to individual property owners whose structures or districts lie outside the city but are contiguous to its boundaries. This service is provided through fire protection agreements with the City of Portland. These agreements are developed and processed by this section in close cooperation with the City Auditor's office and the City Attorney's office.

Liaison with rural fire protection districts and incorporated cities contiguous to Portland city boundaries and coordination for mutual aid contracts are the responsibility of the staff officer assigned to Planning and Research.

# In Memoriam

WILLIAMS, HARRY E.  
Appointed 12- 1-38  
Retired 3-19-69  
Deceased 7- 3-71

TURNER, DONALD GENE  
Appointed 1- 1-52  
Retired 2-17-62  
Deceased 7- 5-71

BRAY, ROY A.  
Appointed 7- 2-59  
Deceased 9-15-71

TUFTS, HAROLD J.  
Appointed 3-15-24  
Retired 3-27-53  
Deceased 9-15-71

FRISON, JOHN A.  
Appointed 7-14-25  
Retired 8-31-50  
Deceased 9-26-71

MARTIN, DONALD LEE  
Appointed 8- 7-39  
Deceased 9-27-71

DUFF, JOHN  
Appointed 4- 4-42  
Retired 8- 3-70  
Deceased 11- 9-71

SINGLE, JOHN L.  
Appointed 4- 1-08  
Retired 5- 6-33  
Deceased 12-12-71

MOZET, E.C.  
Appointed 11- 1-19  
Retired 7- 1-50  
Deceased 1-17-72

DUNLOP, TIMOTHY T.  
Appointed 11-21-46  
Deceased 6-14-72

BAKER, CLARENCE P.  
Appointed 5-27-33  
Retired 2-18-63  
Deceased 1-26-72

HEISE, HUGO A.  
Appointed 1-16-14  
Retired 4-28-48  
Deceased 1- 6-72

MARTIN, C.C.  
Appointed 6- 1-04  
Retired 4-26-33  
Deceased 2- 9-72

PUGH, RAY  
Appointed 10-31-10  
Retired 8- 6-56  
Deceased 2-18-72

PENN, CHARLES W.  
Appointed 1- 1-42  
Retired 1-13-72  
Deceased 3- 4-72

PAINTER, HAL W.  
Appointed 10-31-30  
Retired 1- 1-58  
Deceased 3-20-72

STUCK, ALDRO J.  
Appointed 12- 1-50  
Deceased 4- 5-72

PENNER, HERMAN C.  
Appointed 7- 8-20  
Retired 1- 2-55  
Deceased 4- 7-72

VIANE, GOERGE P.  
Appointed 6- 9-28  
Retired 3- 6-59  
Deceased 4-28-72



A MEASURE OF ECONOMIC PRODUCTIVITY  
OF  
PORTLAND'S CLASS 2 FIRE DEFENSE SYSTEM

1971 - 1972

Class 10 Insurance Premium Costs <sup>1</sup>			
\$67.56/\$10,000		\$25,703,877	
Class 2 Insurance Premium Costs <sup>1</sup>			
\$13.93/\$10,000		<u>5,299,807</u>	\$20,404,070
Fire Bureau Costs			
Budget 1971-72	\$9,428,951		
Disability & Pension	2,470,598		
Depreciation (5% on Capital Investments)	379,753		
Fire Hydrants (Installation & Maintenance)	<u>241,844</u>	12,521,146	
Less Fire Bureau Earnings (1971-72)			
Fire Protection Contracts	487,782		
Fire Marshal Permit Fees	10,545		
Fire Investigation Report & Photo Fees	488		
Bank Interest Earned	654		
Interest on Investments	<u>7,004</u>	<u>506,473</u>	12,014,673
NET ECONOMIC ADVANTAGE THROUGH INVESTMENT IN FIRE PROTECTION <sup>2</sup>			<u>\$ 8,389,397</u>

Notes:

<sup>1</sup> Based on dwelling rates effective December 1, 1970 obtained from Insurance Services of Oregon and the true cash value of taxable improvements, non-taxable improvements (schools, government buildings, churches, hospitals, libraries, etc.) contents, and taxable inventory of \$3,804,605,423 as reported in 1971 Oregon State Fire Marshal's Annual Report. This value does not include land, cargo in transit, ships and vehicles.

<sup>2</sup> The net economic advantage is computed on the basis of the difference between insurance premium costs for Class 10 (no fire department) protection and Portland's Class 2 insurance premium costs less net costs of Fire Bureau operation.