

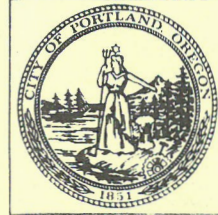
ANNUAL REPORT

Bureau Of Fire



Portland, Oregon
1972-1973

THE CITY OF
PORTLAND



OREGON

DEPARTMENT OF
PUBLIC SAFETY

FRANCIS J. IVANCIE
COMMISSIONER

BUREAU OF FIRE

JAMES H. RIOPELLE
CHIEF

55 S.W. ASH ST.
PORTLAND, OR. 97204
503/248-4375

COVER PHOTO

5th Alarm Dec. 17, 1972
Stelwyn Apts.

Photo by
Don Thompson
PFB Photographer

Francis J. Ivancie, Commissioner
Department of Public Safety
211 City Hall
Portland, Oregon

Dear Commissioner Ivancie:

It is my privilege and duty to report on the condition of the Bureau of Fire for the 1972-73 fiscal year. It should be observed that in this report we follow the state and national practice of compiling fire loss statistics on a calendar year basis.

Each year it has been my policy to make a careful inspection of all of the properties of the Bureau of Fire, including quarters, apparatus, and fire fighting equipment. I am pleased to report again that the officers and men of the Bureau are doing an excellent job of caring for their equipment and quarters.

In my 1970-71 annual letter, it was distressing to report increasing incendiaryism and fire losses with our highest annual fire loss of \$5.6 million. More than half of that loss was due to incendiaryism, most of which was attributable to civil unrest. It is a pleasure to report now that this trend has been reversed. The incidence of incendiaryism is substantially less. This year's fire loss was reduced to \$4,002,081. This difference would be even more significant if it were adjusted to reflect mounting construction costs.

During the period covered by this report, there was considerable planning and research work in the Bureau of Fire. Consultants were engaged to study and make recommendations to improve our fire communications systems. The staff of the Bureau of Fire, at the request of the City-County Consolidation Commission, studied fire protection needs in Multnomah County and submitted a proposal for establishing a single, countywide fire department. Planning was completed for establishing a marine division in the Bureau of Fire for the purpose of obtaining better utilization of equipment and personnel involved in fire suppression, surveillance patrols, waterfront inspections, and harbor regulations enforcement. As a result of this planning, we anticipate both reduced costs and increased productivity through better utilization of our resources.

During past years, we have been unsuccessful in recruiting members of the minority races. It is with some pride that I report to you that during this year, with the help of the Public Employment Program funding, we have successfully recruited and trained a number of persons of minority races, six of whom are now regularly appointed fire fighters in the Bureau. Several more will probably be appointed during the next year. It is my hope that we shall have sufficient funding to continue with this successful minority training program.

With the assistance of Portland Community College, improved management training for fire officers was provided. Our program of management training will be accelerated during the next fiscal year in anticipation of the retirement of a number of key officers.

We appreciate your support in obtaining a substantial amount of revenue sharing funds for the purchase of seven fire engines and one aerial ladder truck. While this has temporarily overcome a deficiency which I have pointed out in my past reports, I must recommend that we reestablish an orderly fire apparatus replacement program in the Bureau.

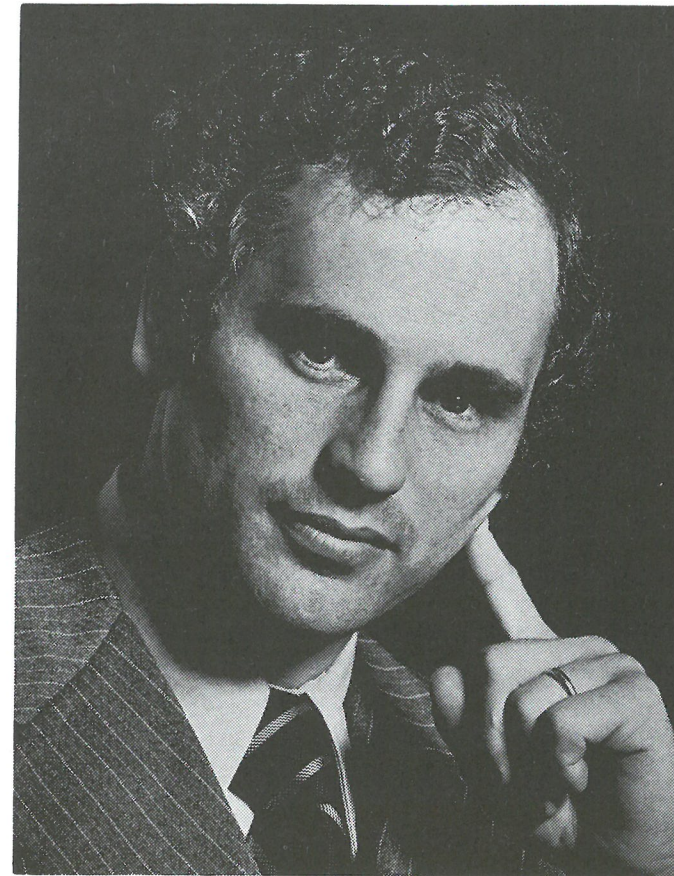
It is with sincere appreciation and much pride that I acknowledge the loyalty and industry of all members of the Bureau. They are dedicated to their work; morale is high.

We are grateful to you and the members of the City Council for your assistance and counsel in resolving our many problems. Cooperation from all other Bureaus of the City has been excellent.

We are indebted to all local news media for their factual reporting of the fire story and their assistance in our public fire prevention education effort.

Respectfully,

James H. Riopelle
JAMES H. RIOPELLE
Chief, Bureau of Fire



THE HONORABLE NEIL GOLDSCHMIDT
MAYOR



THE HONORABLE FRANCIS IVANCIE
COMMISSIONER
DEPARTMENT OF PUBLIC SAFETY



JAMES H. RIOPELLE
FIRE CHIEF



PETER C. LEINWEBER
ASSISTANT CHIEF
EXECUTIVE OFFICER

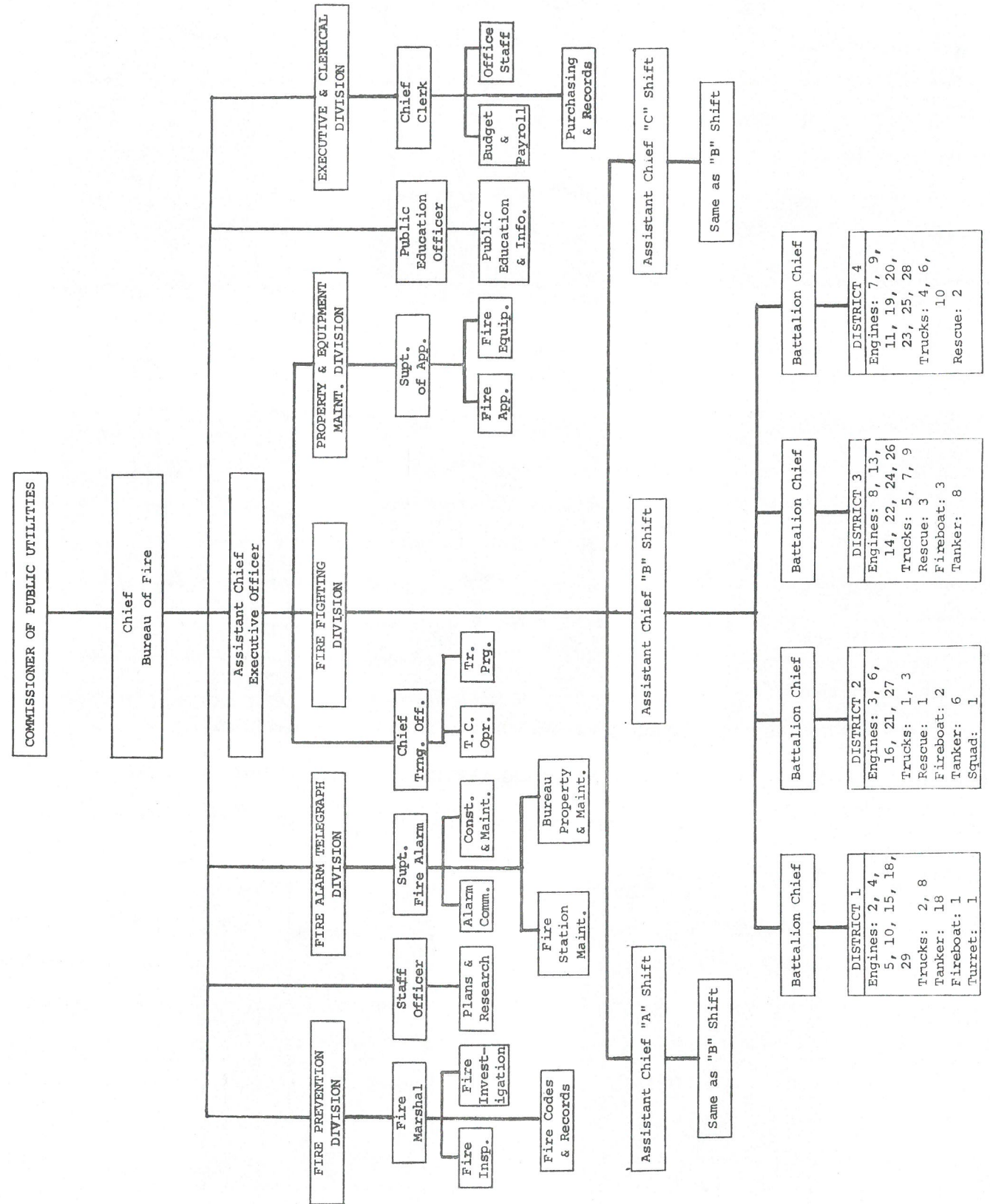


JAMES R. KERR
FIRE MARSHAL

TABLE OF CONTENTS

ORGANIZATIONAL CHART	1
EXECUTIVE OFFICERS	2
EXECUTIVE & CLERICAL	3
Personnel - Uniformed	4
Civilian	5
Changes	6
Appointments	7
Promotions, Reclassifications	8-9
Auditor's Financial Statement	10
FIRE ALARM TELEGRAPH DIVISION	11
Communications & Dispatching Section	11
Maintenance & Engineering Section	11-12
FIRE FIGHTING DIVISION	13
Emergency Response of Fire Companies	14
Emergency Fire Service by Companies	15
Emergency Response of Rescue Units	16
Emergency Response of Reserve Companies	17
Emergency Fire Service Outside City Limits	18-20
PROPERTY & EQUIPMENT MAINTENANCE DIVISION	21
Building & Equipment Maintenance Section	21-22
Real Estate & Buildings	23-24
Apparatus Maintenance Section	25
Fire Apparatus	26-29
Automobiles, Service Trucks	30-31
Inventory	32
Fire Hose Status	33-34
FIRE PREVENTION DIVISION	35
Organizational Chart	36
Letter of Transmittal	37-39
Summary of Inspection Work	40
Summary of Fire Alarms	41-42
Report of Fire Investigator	43-44
Fire Deaths	45-46
Building Incidents by Cause	47-48
Bureau Response by Occupancy Loss	49-51
Chart, Number of Building Fire Per Range of Loss	52-54
TRAINING	55-58
PLANS & RESEARCH	59
IN MEMORIAM	60
ECONOMIC PRODUCTIVITY STATEMENT	61

CITY OF PORTLAND BUREAU OF FIRE



EXECUTIVE OFFICERS

JAMES H. RIOPELLE

PETER C. LEINWEBER

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
WAYNE L. LAMBETH
CLARENCE O. FARBER
WARD R. WHITMORE
WILLIAM T. McROBERTS
HARLYN S. HORN
DALE B. PALMER
JEFFERSON D. MORRIS

(PUBLIC EDUCATION OFFICER)

MELVIN W. BRINK

(CHIEF TRAINING OFFICER)

JOHN A. FARBER

(CHIEF INVESTIGATOR)

GERALD E. EDWARDS

DALE V. LIESCH

MELVIN L. WILKENING

JOHN HETRICK

BLANCHE NOBLE

CHIEF

ASSISTANT CHIEF,
EXECUTIVE OFFICER

FIRE MARSHAL

ASSISTANT CHIEF
ASSISTANT CHIEF
ASSISTANT CHIEF

ASST. FIRE MARSHAL

BATTALION CHIEF
BATTALION CHIEF
BATTALION CHIEF
BATTALION CHIEF
BATTALION CHIEF
BATTALION CHIEF
BATTALION CHIEF
BATTALION CHIEF
BATTALION CHIEF
BATTALION CHIEF
BATTALION CHIEF
BATTALION CHIEF
BATTALION CHIEF
BATTALION CHIEF
BATTALION CHIEF

BATTALION CHIEF

SR. FIRE INSPECTOR

STAFF LIEUTENANT

ALARM SYSTEM SUPT.

CHIEF FIRE ALARM OPERATOR

FIRE APPARATUS SUPERVISOR

CHIEF CLERK



BLANCHE NOBLE
Chief Clerk



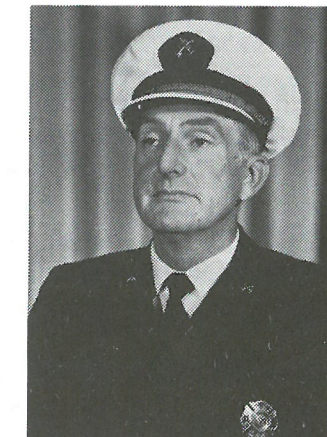
HENRY BURNS
Asst. Fire Marshal



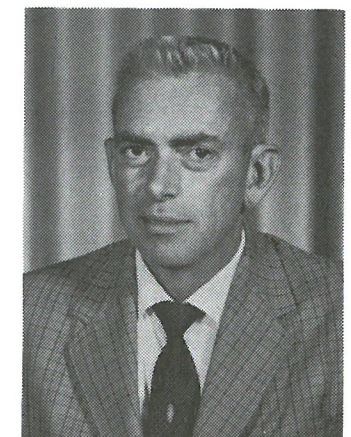
MEL BRINK
Ch. Training Officer



JEFF MORRIS
Public Education
Officer



JOHN HETRICK
Fire Apparatus
Supervisor



DALE LIESCH
Fire Alarm
Superintendent



JOHN FARBER
Chief Investigator



MELVIN WILKENING
Chief Fire Alarm
Operator

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 clerk II, and 1 clerk III, 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 1972-1973 Fire Bureau budget derived \$11,140,299 from the General Fund and \$100,000 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 692 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 accouterments.
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 PERSONNEL

FIRE FIGHTING

		Monthly Salary	
1	Chief of the Bureau	\$2,234.00	- \$
1	Assistant Chief - Executive Officer	2,040.00	-
3	Assistant Chiefs	1,706.00	- 1,922.00
12	Battalion Chiefs	1,468.00	- 1,654.00
1	Staff Lieutenant	1,156.00	- 1,302.00
1	Training Officer - Captain	1,302.00	- 1,468.00
28	Captains	1,265.00	- 1,427.00
5	Training Officers - Lieutenants	1,120.00	- 1,265.00
86	Lieutenants	1,089.00	- 1,229.00
9	Fireboat Pilots	1,089.00	- 1,229.00
6	Fireboat Engineers	743.00	- 1,089.00
<u>453</u>	Fire Fighters	723.00	- 1,057.00
606	Total		

SPECIAL ASSIGNMENT

1	Battalion Chief (Public Information Officer).	\$1,468.00	- \$1,654.00
<u>1</u>	Fire Fighter Specialist	743.00	- 1,089.00
2	Total		

FIRE PREVENTION

1	Fire Marshal (Assistant Chief)	\$1,810.00	- \$2,040.00
1	Assistant Fire Marshal (Battalion Chief)	1,468.00	- 1,654.00
1	Chief Investigator (Senior Fire Inspector) ..	1,265.00	- 1,427.00
2	Senior Fire Inspectors	1,265.00	- 1,427.00
26	Fire Inspectors	1,089.00	- 1,229.00
<u>1</u>	Fireman Specialist - Photographer	743.00	- 1,089.00
32	Total		

FIRE ALARM TELEGRAPH

1	Chief Alarm Operator	\$1,265.00	- \$1,427.00
3	Fire Alarm Operators	1,089.00	- 1,229.00
7	Lieutenants	1,089.00	- 1,229.00
<u>1</u>	Fireman Specialist - Communications	764.00	- 1,120.00
12	Total		

TRAINING

1	Chief Training Officer (Battalion Chief)	\$1,468.00	- \$1,654.00
2	Assistant Training Officers (Captain)	1,265.00	- 1,427.00
<u>4</u>	Lieutenants	1,089.00	- 1,229.00
7	Total		

AUTOMOTIVE MAINTENANCE

1	Fire Apparatus Supervisor	\$1,302.00	- \$1,468.00
<u>3</u>	Fire Fighter Specialists (Mechanics)	743.00	- 1,089.00
4	Total		

663 Total Uniformed Personnel

CIVILIAN PERSONNEL

		<u>Monthly Salary</u>	
<u>TRAINING</u>			
1	Fire Apparatus Instructor	\$ 860.00	- \$1,000.00
<u>FIRE ALARM TELEGRAPH</u>			
1	Alarm System Superintendent	\$1,343.00	- \$1,468.00
1	Line Foreman	1,021.00	- 1,148.00
4	Linemen	938.00	- 1,056.00
2	Electricians	938.00	- 1,056.00
8	Total		
<u>BUILDING MAINTENANCE</u>			
2	Plumbers	\$ 938.00	- \$1,056.00
2	Carpenters	865.00	- 974.00
2	Painters	865.00	- 974.00
1	Utility Worker	717.00	- 818.00
1	Custodial Worker	631.00	- 678.00
8	Total		
<u>AUTOMOTIVE MAINTENANCE</u>			
1	Utility Worker	\$ 717.00	- \$ 818.00
<u>CLERICAL</u>			
1	Chief Clerk	\$1,035.00	- \$1,236.00
2	Accounting Assistants	614.00	- 735.00
1	Clerk III	614.00	- 735.00
4	Senior Stenographer Clerks	591.00	- 714.00
1	Stenographer Clerk	508.00	- 614.00
1	Typist Clerk	492.00	- 591.00
10	Total		
28	<u>Total Civilian Personnel</u>		

SUMMARY

Personnel 6/30/72	<u>691</u>	<u>691</u>
Less - Personnel Reduction 7/1/72		
Fire Buildings Superintendent	1	
Carpenter	<u>1</u>	<u>2</u>
		689
Add -		
Air Mask Mechanic (Ord. #135928)	1	
Fire Inspectors	<u>2</u>	<u>3</u>
		692
Total Personnel June 30, 1973		<u>692</u>

PERSONNEL CHANGES

RETIREMENTS

Bruce E. Jones	August 10, 1972
Melvin Greenman	August 19, 1972
Hawley Bloomquist	September 21, 1972
Robert Burns	October 3, 1972
Jimmy W. Hicks	October 7, 1972
Robert F. Wuerth	October 16, 1972
William Lawrence	December 7, 1972
James Tyrrell	January 4, 1973
William Widmer	January 4, 1973
Leonard Wood	January 7, 1973
Larry McGraw	January 25, 1973
James Novak	February 8, 1973
Bruce Cullen	April 1, 1973
Phillip A. Gornick	April 29, 1973
Ward Whitmore	May 14, 1973

DISABILITIES

Roy A Sefton	Service Disability Benefits	April 21, 1973
Robert Frederickson	Occupational Disability	April 24, 1973*
Robert Sullivan	Injury in Line of Duty	August 6, 1973*
Edwin Lundgren	Occupational Disability	September 21, 1972
C. A. Zimmerman	Non-Service Disability	September 24, 1972
Edward Grenfell	Non-Service Disability	December 4, 1972
Edwin Huie	Injury in Line of Duty	December 5, 1972
Stillman Snell	Occupational Disability	March 15, 1973
Wallace Ramey	Non-Service Disability	April 13, 1973
Kenneth Yost	Non-Service Disability	April 15, 1973

RESIGNATIONS

Thomas J. Lister	Resigned	October 1, 1972
Roger Weidner	Resigned	March 28, 1973

DISMISSALS

Gerald F. Kirk	December 7, 1972
David G. Kalsch	May 21, 1973
Ralph E. Butler	June 22, 1973

*First year ended

APPOINTMENTS

UNIFORMED PERSONNEL

<u>NAME</u>	<u>CLASSIFICATION</u>	<u>DATE APPOINTED</u>
Brock, Leonard V.	Harbor Pilot	January 13, 1972
Hanselman, David J.	Fire Fighter	March 16, 1972
Mahar, Darryl L.	Fire Fighter	March 16, 1972
Reinhardt, John L.	Fire Fighter	March 16, 1972
Leriche, Armand L.	Fire Fighter	March 16, 1972
Dooney, Patrick A.	Fire Fighter	April 25, 1972
Knox, Marvin C.	Fire Fighter	April 25, 1972
Arnold, Ronald D.	Fire Fighter	April 25, 1972
Olsen, Conrad	Fire Fighter	April 25, 1972
Lister, David	Fire Fighter	November 2, 1972
Goforth, Larry G.	Fire Fighter	November 2, 1972
Briggs, Robert	Fire Fighter	November 2, 1972
Smith, Leon	Fire Fighter	November 2, 1972
Samuelson, Michael	Fire Fighter	November 9, 1972
Ladd, Billy E.	Fire Fighter	November 9, 1972
Franzen, Lawrence M.	Fire Fighter	November 9, 1972
Mortrud, Edwin G.	Fire Fighter	November 9, 1972
Gale, Dennis R.	Fire Fighter	November 16, 1972
Panciarelli, Bruno	Fire Fighter	November 16, 1972
Jacobsen, George R.	Fire Fighter	November 16, 1972
Wright, Ronald W.	Fire Fighter	November 16, 1972

CIVILIAN PERSONNEL

Hall, Mildred K.	Steno-Clerk (Temp.)	May 8, 1972
Irwin, Kathryn L.	Accounting Assistant	June 29, 1972
Anderson, Val G.	Temp. Custodial Worker	August 14, 1972
Emmert, Wesley	Temp. Plumber	November 6, 1972
Simonson, Irving J.	Auto Mechanic	November 20, 1972
Parham, Richard	Auto Mechanic (Temp.)	November 20, 1972
Salter, Robert D.	Auto Mechanic (Temp.)	November 28, 1972

PROMOTIONS
UNIFORMED PERSONNEL

<u>NAME</u>	<u>Classification</u> <u>FROM</u>	<u>TO</u>	<u>DATE PROMOTED</u>
Schumann, Arnold H.	Fire Fighter	Fire Lieutenant	Feb. 2, 1972
Reischman, Robert	Fire Fighter	F.F. Spec. Comm.	Feb. 10, 1972
Bixler, Robert E.	Fire Fighter	Fire Lieutenant	April 2, 1972
Pickett, George	Fire Lieutenant	Fire Tr. Officer	April 2, 1972
Baron, Joseph T.	Fireman Specialist	Harbor Pilot	April 20, 1972
Wuerth, Robert F.	Fireman Specialist	Harbor Pilot	April 20, 1972
Sethmann, Melvin W.	Fire Fighter	Fireman Specialist	April 20, 1972
Miller, Ernest R.	Fire Fighter	Fireman Specialist	April 20, 1972
Hochtritt, Robert O.	Fire Fighter	Fireman Specialist	May 3, 1972
Snell, Stillman C.	Fireman Specialist	Harbor Pilot	May 3, 1972
Edwards, Gerald E.	Fire Inspector	Fire Staff Officer	May 25, 1972
Davis, Lynn C.	Fire Fighter	Fire Inspector	May 25, 1972
Rushing, Wesley	Fire Fighter	Fire Lieutenant	June 14, 1972
Jones, Calvin G.	Fire Fighter	Fireman Specialist	July 3, 1972
Muir, Richard	Fire Lieutenant	Fire Captain	July 8, 1972
Beyerle, Adrian R.	Fire Fighter	Fire Lieutenant	July 22, 1972
Gibson, James L.	Fire Fighter	Fire Inspector	July 27, 1972
Megert, Theodore A.	Fire Fighter	Fire Inspector	July 27, 1972
Horn, Harlyn S.	Fire Captain	Battalion Chief	August 5, 1972
Woodward, Donald L.	Fire Lieutenant	Fire Captain	August 5, 1972
Davis, Lynn C.	Fire Inspector	Fire Lieutenant	August 10, 1972
Gray, Joseph W.	Fire Fighter	Fire Inspector	August 10, 1972
Brandenburg, Roger	Fire Fighter	Fireman Specialist	August 10, 1972
Palmer, Dale B.	Fire Captain	Fire Battalion Chief	August 29, 1972
Hebert, William M.	Fire Lieutenant	Fire Captain	August 29, 1972
Bender, Ronald J.	Fire Fighter	Fire Lieutenant	August 29, 1972
Morris, Jefferson D.	Fire Captain	Fire Battalion Chief (Commissioner's Aide)	Sept. 8, 1972
Ploium, Norman L.	Fire Fighter	Fire Lieutenant	Sept. 21, 1972
Edwards, Gerald E.	Fire Inspector (Staff Officer)	Staff Lieutenant	Sept. 28, 1972
Mayer, Donald J.	Fire Fighter	Fire Inspector	Oct. 9, 1972
Monogue, George	Fire Fighter	Fire Lieutenant	Oct. 12, 1972
Strech, Donald G.	Fire Fighter	Fireman Specialist	Oct. 21, 1972
Sethmann, M.A.	Fireman Specialist	Harbor Pilot	Oct. 21, 1972

CIVILIAN PERSONNEL

Gaudry, Elmarine	Steno Clerk	Senior Steno Clerk (Temporary)	May 8, 1972
------------------	-------------	-----------------------------------	-------------

RECLASSIFICATION

UNIFORMED PERSONNEL

NAME	CLASSIFICATION	DATE OF RECLASSIFICATION
Palmer, Dale B.	Battalion Chief to Captain (Due to return of B.C. from Leave of Absence)	Oct. 19, 1972
Hebert, William	Captain to Lieutenant (Due to return of B.C. from Leave of Absence)	Oct. 19, 1972
Monogue, George	Fire Lieutenant to Fire Fighter (Due to return of B.C. from Leave of Absence)	Oct. 19, 1972
Sethmann, Melvin W.	Fireboat Pilot to Fire Fighter Specialist (Due to lack of vacancy)	Dec. 14, 1972
Strech, Donald G.	Fire Fighter Specialist to Fire Fighter (Due to lack of vacancy)	Dec. 14, 1972

CIVILIAN PERSONNEL

Gaudry, Elmarine	Temp. Sr. Steno Clerk to Steno Clerk (Due to return of regular Sr. Steno Clerk)	Dec. 14, 1972
------------------	---	---------------

STATEMENT SHOWING CONDITION OF APPROPRIATIONS
AS OF JUNE 30, 1973

	Approp. Inc. Trans.	Expend. To Date	Pur. Orders Outstanding	Total Encumbrance	Unencumbered Balance
<u>EXECUTIVE & CLERICAL</u>					
Personal Services	\$ 123,186.00	\$ 117,859.01	\$ -----	\$ 117,859.01	\$ 5,326.99
Operation & Maintenance	9,130.00	7,148.37	-----	7,148.37	1,981.63
Equipment	563.00	513.00	-----	513.00	50.00
Total	\$ 132,879.00	\$ 125,520.38	\$ -----	\$ 125,520.38	\$ 7,358.62
<u>FIRE ALARM TELEGRAPH</u>					
Personal Services	\$ 341,310.00	\$ 339,131.27	\$ -----	\$ 339,131.27	\$ 2,178.73
Operation & Maintenance	110,600.00	96,465.45	2,166.80	98,632.25	11,967.75
Equipment	11,862.00	1,750.20	-----	1,750.20	10,111.80
Total	\$ 463,772.00	\$ 437,346.92	\$ 2,166.80	\$ 439,513.72	\$ 24,258.28
<u>FIRE FIGHTING</u>					
Personal Services	\$ 9,512,847.00	\$ 9,417,819.76	\$ -----	\$ 9,417,819.76	\$ 95,027.24
Operation & Maintenance	243,710.00	192,255.77	16,864.77	209,120.54	34,589.46
Equipment	540,396.67	47,458.70	23,026.85	70,485.55	469,911.12
Improvements	241,756.00	12,459.88	1,327.00	13,786.88	227,969.12
Total	\$10,538,709.67	\$ 9,669,994.11	\$ 41,218.62	\$ 9,711,212.73	\$827,496.94
<u>FIRE PREVENTION</u>					
Personal Services	\$ 502,930.23	\$ 502,930.23	\$ -----	\$ 502,930.23	\$ -----
Operation & Maintenance	15,026.17	14,566.17	460.00	15,026.17	-----
Equipment	2,415.48	1,966.33	361.29	2,327.62	87.86
Total	\$ 520,371.88	\$ 519,462.73	\$ 821.29	\$ 520,284.02	\$ 87.86
<u>PROPERTY & EQUIP. MAINT.</u>					
Personal Services	\$ 151,665.00	\$ 146,794.08	\$ -----	\$ 146,794.08	\$ 4,870.92
Operation & Maintenance	71,186.41	67,001.13	1,214.64	68,215.77	2,970.64
Equipment	350.00	224.80	-----	224.80	125.20
Total	\$ 223,201.41	\$ 214,020.01	\$ 1,214.64	\$ 215,234.65	\$ 7,966.76
General Fund Fire Bureau	\$11,878,933.96	\$10,966,344.15	\$ 45,421.35	\$11,011,765.50	\$867,168.46
Fire App. Fund Fire Bureau	100,000.00	3,716.44	96,148.59	99,865.03	134.97
TOTAL FIRE BUREAU	\$11,978,933.96	\$10,970,060.59	\$141,569.94	\$11,111,630.53	\$867,303.43

FIRE ALARM TELEGRAPH DIVISION

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

COMMUNICATIONS AND DISPATCHING SECTION:

Under the direction of the Chief Fire Alarm Operator (Captain equivalent), a staff of 11 fire alarm operators (6 operators Lieutenant equivalent and 3 firemen specialists) provide 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 the many and varied emergencies. Processing routine Fire Bureau telephone and radio communications traffic, maintaining logs of all emergency calls, compiling related alarm records and performing daily readiness tests on all emergency communications equipment are some of the major functions of this section.

A total of 10,094 emergency calls were processed during the 1972 calendar year. This is an increase of more than 1,500 emergency calls over the preceding year. A table showing a breakdown of all fire alarm calls for the calendar year of 1972 is listed below:

<u>Alarms Received:</u>		<u>How Received:</u>	
<u>Type</u>	<u>Total</u>	<u>Type</u>	<u>Total</u>
Fire	6076	Box	1883
False:		Telephone	7630
Box	1446	Still	406
A.D.T.	4	Action Alarm	10
Still	1	A.D.T.	119
Telephone	235	Radio	46
First Aid	1341		
Public	760		
Outside City	231		
Total	10094	Total	10094

MAINTENANCE AND ENGINEERING SECTION:

The Maintenance and Engineering Section, under the supervision of the Alarm Systems 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. Major 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, also maintaining the communications

and electrical systems in all Bureau of Fire buildings. Routine duties consists 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 1384 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.

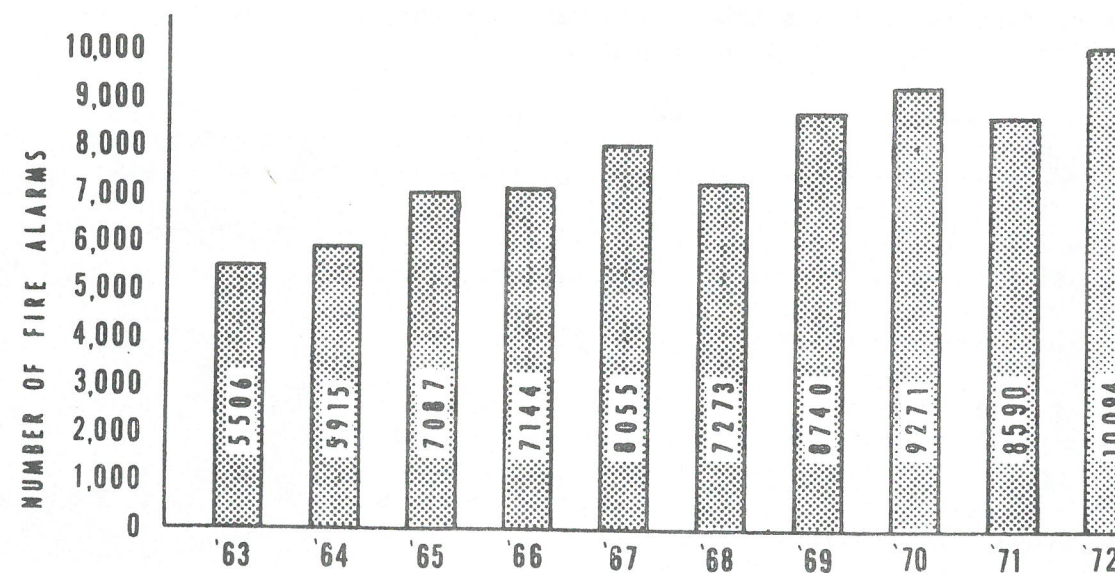
The following is typical of the work performed by line personnel:

Line wire removed	44,300 feet
New line wire installed	45,550 feet
Underground conduit installed	675 feet
Cable installed	21,200 feet
Poles painted	168
New alarm boxes installed	10
Tree trimming	864 man hours
Box testing	588 man hours

This section furnished 464 man hours of labor to the Bureau of Traffic Engineering for the installation of traffic control cable. There was 18,000 feet of Figure 8 Aerial cable installed for traffic signal interconnections at various locations.

Some of the physical plant improvements and rearrangements accomplished this year included the replacement of 3800' of old lead conductor cable on S.W. Multnomah Blvd. The closing of N.E. 6th Avenue between Wasco and Hassalo for a new Lloyd Corporation Building necessitated the relocation of 1300' of 50 pair cable for which the City received reimbursement for both labor and material. The line personnel also spent 187 hours changing receptacles and cords to the grounded types at various fire department facilities to meet OSHA safety standards. Over 300 box installations were reworked by the line personnel including the replacement of rusted out service heads and pipes running down the pole.

Fire radios and base transmitters are serviced and maintained by the City of Portland Bureau of Communications and Electronics.



FIRE FIGHTING DIVISION

The Fire Fighting Division has 27 fire stations housing a total of 40 fire companies, including 26 engine companies (includes 2 pumper-chemical companies) 10 truck companies, 3 rescue companies, 3 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 with each shift 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 fire fighters were called into action on an average of 28 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 152 miles of hose and raised about 1.5 miles of ladders in the course of responding to 10,094 alarms. 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.

According to the U.S. Bureau of Labor, the fire fighter is engaged in the most hazardous occupation in the United States. His working hours are long and demanding, acts 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, without hesitation.

DISTRICT 1



WAYNE H. HARVEY
Battalion Chief

DISTRICT 2



CLARENCE O. FARBER
Battalion Chief

A SHIFT CHIEF OFFICERS



HENRY L. SURBAUGH
Assistant Chief

DISTRICT 3



JACK A. JONES
Battalion Chief

DISTRICT 4



JOHN J. DOONEY
Battalion Chief

DISTRICT 1



EDWARD S. LOHR
Battalion Chief

B SHIFT
CHIEF OFFICERS



ALBERT M. OLIVERIO
Battalion Chief

DISTRICT 1



WILLIAM T. McROBERTS
Battalion Chief

DISTRICT 2



WAYNE L. LAMBETH
Battalion Chief

C SHIFT
CHIEF OFFICERS



STANLEY F. BOHLMAN
Assistant Chief



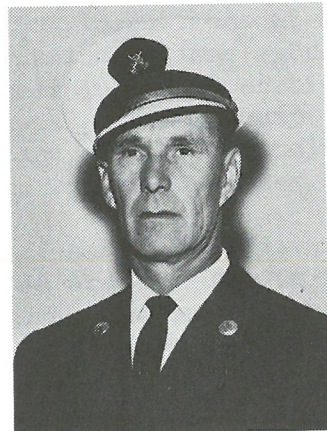
GORDON A. MORTERUD
Assistant Chief

DISTRICT 3



ALLEN W. McLANE
Battalion Chief

DISTRICT 2



WARD R. WHITMORE
Battalion Chief (Retired)

DISTRICT 4



HARLYN S. HORN
Battalion Chief

DISTRICT 3



DALE B. PALMER
Battalion Chief

DISTRICT 4



HARRY WHITE, JR.
Battalion Chief

EMERGENCY RESPONSE OF FIRE COMPANIES

Co.	No.	Phantom Boxes	Straight Boxes	Telephone Alarms	Still Alarms	Total Alarms
Eng.	2	63	7	31	--	101
	3	280	108	332	8	728
	4	186	87	219	13	505
	5	102	27	138	8	275
	6	138	27	24	3	192
	7	249	50	192	4	495
	8	288	133	303	22	746
	9	242	101	306	21	670
	10	123	44	57	1	225
	11	101	32	265	17	415
	13	357	299	358	7	1021
	14	299	289	433	19	1040
	15	113	34	88	8	243
	16	67	14	68	12	161
	18	63	12	195	7	277
	19	175	45	259	16	495
	20	117	44	234	15	410
	21	406	124	170	8	708
	22	107	84	243	26	460
	23	218	78	227	12	535
	24	305	270	307	18	900
	25	198	98	306	13	615
	26	114	113	205	10	442
	27	43	11	42	10	106
	28	157	80	281	7	525
	29	195	62	41	--	298
Trk.	1	404	91	45	2	542
	2	171	64	64	8	307
	3	275	93	103	8	479
	4	210	63	100	6	379
	5	281	274	140	8	703
	6	145	40	125	15	325
	7	356	235	116	7	714
	8	112	26	51	1	190
	9	113	73	99	5	290
	10	192	91	237	12	532
Squad	1	413	117	42	2	574
Res.	1	83	28	364	10	485
	2	30	---	428	13	516
	3	81	91	445	40	702
F.B.	1	25	5	10	2	42
	2	57	11	14	1	83
	3	35	5	16	2	58
Tur.	1	14	2	1	--	17
Tnkr.	6	1	2	3	--	6
	8	26	5	53	6	90

18 (Included in E-18 figures)

EMERGENCY FIRE SERVICE BY COMPANIES

Co.	No.	Time H - M	Time Pump Worked	HOSE LAID				Ladders Ft. Raised	Miles Run	Inj. to Frmen.	Inj. to Civ.
				3"	2½"	1½"	Booster				
Eng.	2	91:36	19:45	2800	2550	1850	3250	68	1	3	--
	3	311:24	47:15	22500	3900	14050	38800	205	1725	--	--
	4*	268:17	50:33	10850	7050	13150	4000	112	1318	--	--
	5	124:11	925:00	4750	17000	1400	10750	100	980	--	--
	6	98:17	15:15	4150	2250	2350	3200	---	592	--	--
	7	232:43	30:15	12600	5700	9350	22600	224	1106	2	1
	8*	377:36	69:50	9650	4850	27600	1200	309	2530	--	--
	9	297:04	26:06	6400	2700	8250	33750	506	1326	7	10
	10	134:45	8:55	6000	3700	3050	5500	64	814	--	--
	11	206:32	40:35	6400	3000	9750	33600	84	971	5	--
	13	364:32	39:00	8700	5900	12600	36400	186	2676	26	--
	14	451:01	40:59	13950	5750	12200	52100	970	2082	7	13
	15	119:10	15:23	2600	2100	2700	6500	168	750	3	8
	16	119:49	11:10	5100	3450	1550	7700	22	480	1	7
	18	158:39	28:25	7250	1850	8150	23250	292	940	4	--
	19	249:10	19:17	7300	1950	7300	27650	216	1418	--	--
	20	243:05	34:45	6850	2250	7650	15600	314	975	7	5
	21	296:11	20:06	4950	9850	6100	22400	114	1520	--	--
	22	211:46	14:25	9750	5150	7350	26750	76	1276	1	3
	23	315:22	36:51	13600	8550	13500	23950	162	1603	1	2
	24	407:09	37:34	11300	4600	9700	4450	336	2138	2	8
	25	299:49	14:10	12200	4700	8950	32150	180	1718	--	--
	26	211:00	26:15	7350	5250	5400	27700	---	1327	1	3
	27	74:55	5:00	3050	2050	1100	3150	24	555	2	2
	28	272:13	9:35	7000	2700	5550	27500	574	1282	1	7
	29	157:53	22:25	4450	4100	3900	6000	186	633	1	--
Trk.	1	263:28		100	----	----	----	4708	1382	--	--
	2	178:16		100	----	100	----	3091	1301	1	1
	3	226:18			----	400	----	4195	1151	--	1
	4	261:59			----	200	----	4236	1172	1	--
	5	398:00			----		----	4723	2112	22	--
	6	176:30			----		----	2098	878	3	--
	7	388:52			----		----	6856	2125	3	9
	8	144:15		200	200	300	----	1553	845	--	2
	9	149:10			----		750	2391	895	--	--
	10	296:49		100	----	----	----	3458	1664	--	--
Squad	1	257:07			----	----	----	----	1603	--	--
Res.	1	282:18			----	----	----	----	2488	--	--
	2	281:11			----	----	----	----	2791	--	--
	3	351:05			----	----	----	----	3192	--	--
F.B.	1	43:35	6:30	550	----	650	----	----	242	--	--
	2	48:51	8:45	----	----	100	----	8	243	--	--
	3	42:55	9:00	----	300	100	----	29	231	--	--
Tur.	1**	30:57							116		
Tnkr.	6	6:56	:10	----	----	----	250	----	61	--	--
	8	89:49		----	350	2700	7750	----	488	--	--

18 (Included in activity for Engine 18)

*Eng. 4 laid 2000' of 4" hose & Eng. 8 laid 400' of 4" hose
 **Turret Wagon laid 4800' of 3½" hose

EMERGENCY RESPONSE OF RESCUE UNITS

During the calendar year 1972 the three rescue units of the Bureau provided emergency services as follows:

RESCUE 1

This specialized unit is a multipurpose vehicle located in southwest sector of City. It is used for emergency rescue and medical response as well as being a mobile nerve center for communications and manpower management at multiple alarm fires. During the course of the year this unit responded to 485 fire alarms and other emergencies, worked a total of 282 hours, 18 minutes and traveled 2488 miles. The following cases were cared for and/or specialized equipment was used:

Breathing Apparatus	11	First Aid	81
Portable Electric Unit	2	Accident	29
Resuscitation	109	Rescue	4
Standby Public Service	10	Miscellaneous	120

RESCUE 2

Located in the northeast sector of the City. Rescue 2 responded to 516 emergency calls, traveled 2791 miles and worked 281 hours, 11 minutes, and cared for the following cases:

<u>First Aid Cases</u>		<u>Time Equipment Used</u>	
Heart	92	153 Resuscitator-Inhalator	
Respiratory	91	264 Miscellaneous Equipment	
Burns	22		
Trauma	47		
Rescue	55		
Dead on Arrival	46		
Miscellaneous	303		

RESCUE 3

Rescue 3 is located in North Portland (St. Johns) at Engine 22. During 1972 Rescue 3 responded to 702 alarms, worked 351 hours, 05 minutes and traveled 3,192 miles on emergency duties. 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 fire fighting duties in their respective companies.

<u>First Aid Cases</u>		<u>Times Equipment Used</u>	
Heart	68	146 Resuscitator	
Respiratory	51	113 Miscellaneous Equipment	
Burns	5		
Rescue	21		
Dead On Arrival	35		
Trauma	55		
Miscellaneous	67		

EMERGENCY RESPONSE OF RESERVE COMPANIES

Co.	No.	Phantom Boxes	Straight Boxes	Telephone Alarms	Still Alarms	Total Alarms
Eng.	1-R	3	-	--	-	3
	2-R	1	-	5	-	6
	6-R	-	-	1	-	1
	7-R	1	-	--	-	1
	8-R	1	-	1	-	2
Man.	1-R	1	-	10	-	11

EMERGENCY FIRE SERVICE BY RESERVE COMPANIES

Co.	No.	Time H-M	HOSE LAID					Ldrs. Ft. Raised	Miles Run	Fire Prot. Dist.	Mu. Aid Dist.
			3½"	3"	2½"	1½"	Booster				
Eng.	1-R	6:40	---	-	-	-	---	-	20	-	-
	2-R	2:49	---	-	-	-	---	-	36	-	-
	6-R	4:06	---	-	-	-	---	-	10	-	-
	7-R	:40	200	-	-	-	200	-	2	-	-
	8-R	4:13	---	-	-	-	---	-	8	-	-
Man.	1-R	18:34	---	-	-	-	---	-	80	-	-

OUTSIDE CITY FIRE PROTECTION

Fire Protection services were provided for the following Rural Fire Districts, Water Districts and private parties during the 1972-73 fiscal year under fire protection agreements.

<u>DISTRICT</u>	<u>SQ. MILES</u>	<u>ESTIMATED POPULATION</u>	<u>REVENUE</u>	<u>AGREEMENT NO.</u>
RFPD #1 (Kenton)	1.00	1070	\$ 62,637.41	13431
RFPD #4 (Sylvan)	.88	760	57,113.00	13412
RFPD #26 (Oregon Ship)	.70	----	43,020.88	13391
Burlington Water District	1.40	410	9,863.32	13422
Capitol Highway Water Dist.	2.91	4570	127,308.42	13418
Valley View Water District	.61	632	41,584.82	13419
			341,527.85	
Private Agreements (7)			71,826.60	
Total Revenue			\$413,354.45	

MUTUAL AID

The City of Portland was a participant in Mutual Aid during 1972-73 under conditions of an agreement with the following cities and fire protection districts.

Portland International Airport	RFPD No. 10
Vancouver, Washington	RFPD No. 20
Gresham, Oregon	RFPD No. 12
	RFPD No. 14

A mutual response agreement was negotiated during 1972 with Washington County RFPD #1 and the City of Lake Oswego.

EMERGENCY FIRE SERVICE OUTSIDE CITY LIMITS

AREAS UNDER FIRE PROTECTION AGREEMENTS

RURAL FIRE PROTECTION DISTRICT NO. 1

Co.	No.	No. of Alarms	HOSE LAID			Booster		Ldrs. Raised	Miles Run	Time H-M
			3"	2½"	1½"	Feet	Gals.			
Eng.	3	2	----	----	----	---	---	---	15	1:11
	8	23	1200	600	1400	300	300	---	--	23:20
	13	1	700	600	400	---	---	---	15	5:05
	14	1	----	----	----	---	---	---	10	:32
	22	4	600	600	300	---	---	22	26	8:05
	24	2	600	600	300	---	---	---	18	8:00
	26	6	----	----	----	700	300	---	49	8:21
	27	1	----	500	----	---	---	---	14	4:10
Tnkr.	8	4	----	----	----	---	---	---	25	3:32
Trk.	5	1	----	----	----	---	---	---	15	5:10
	7	2	----	----	----	---	---	12	17	6:44
	9	5	----	----	----	---	---	128	38	8:35
Sq.	1	1	----	----	----	---	---	---	16	4:38
Res.	1	1	----	----	----	---	---	---	16	4:38
	3	11	----	----	----	---	---	---	102	11:45
F.B.	3	9	----	----	----	---	---	12	58	9:15
Total		74	3100	2900	2400	1000	600	174	434	113:01

RURAL FIRE PROTECTION DISTRICT NO. 4

Eng.	3	2	300	----	----	---	---	---	11	1:10
	15	11	----	----	----	700	600	---	56	5:58
Res.	1	3	----	----	----	---	---	---	40	2:30
Total		16	300	----	----	700	600	---	107	9:38

RURAL FIRE PROTECTION DISTRICT NO. 26

Eng.	22	1	----	----	----	250	---	---	6	:50
Tnkr.	8	1	----	----	----	300	---	---	8	2:26
Trk.	9	1	----	----	----	---	---	45	6	:50
Res.	3	1	----	----	----	---	---	---	6	:40
Total		4	----	----	----	550	---	45	26	4:46

BURLINGTON WATER DISTRICT

Eng.	22	1	----	----	----	---	---	---	--	10:30
	27	8	----	----	----	600	600	---	47	4:43
Trk.	9	1	----	----	----	---	---	128	38	8:35
Res.	3	2	----	----	----	---	---	---	32	1:20
F.B.	3	1	----	----	----	---	---	---	8	1:10
Total		13	----	----	----	600	600	128	125	26:18

CAPITOL HIGHWAY WATER DISTRICT

Eng.	5	2	----	----	----	---	---	---	9	1:48
	10	2	----	----	----	---	---	---	14	1:25
	18	52	3000	450	1800	5500	---	106	209	32:40
	21	1	----	----	----	---	---	---	10	:25
Trk.	8	4	----	----	----	---	---	137	23	7:03
Res.	1	3	----	----	----	---	---	---	38	2:25
Total		64	3000	450	1800	5500	---	243	303	45:46

EMERGENCY FIRE SERVICE OUTSIDE CITY LIMITS (cont)

AREAS UNDER FIRE PROTECTION AGREEMENTS

PRIVATE

Co.	No.	No. of Alarms	HOSE LAID			Booster		Ldrs. Raised	Miles Run	Time H-M
			3"	2½"	1½"	Feet	Gals.			
Eng.	8	5	----	----	----	---	---	---	32	1:22
	22	9	450	----	100	1250	---	---	62	5:25
	26	6	----	----	----	500	400	---	66	4:10
	27	5	----	----	----	---	---	---	41	1:57
Trk.	9	7	----	----	----	---	---	135	42	4:30
Res.	3	8	----	----	----	---	---	---	54	5:15
F.B.	3	2	----	----	----	---	---	---	6	1:40
Total		42	450	----	100	1750	400	135	303	24:19

GRAND TOTAL OF OUTSIDE CITY PROTECTION AGREEMENTS

	213	6850	3350	4300	10100	2200	725	1298	223:48
--	-----	------	------	------	-------	------	-----	------	--------

AREAS UNDER MUTUAL AID AGREEMENTS

RURAL FIRE PROTECTION DISTRICT NO. 1

Eng.	5	2	----	----	----	---	---	---	9	1:48
	10	3	----	----	----	---	---	---	31	2:10
	15	1	----	----	----	---	---	---	8	:30
	18	4	600	150	650	---	---	34	24	5:10
Trk.	8	6	----	----	----	---	---	24	39	10:19
Res.	1	2	----	----	----	---	---	---	26	1:39
Total		18	600	150	650	---	---	58	137	21:36

RURAL FIRE PROTECTION DISTRICT NO. 10

Eng.	11	42	300	700	700	3000	4000	28	134	11:44
	14	7	----	300	300	200	300	22	26	3:55
	19	24	1100	600	1150	1400	540	52	87	14:48
	25	4	----	----	----	250	200	---	21	1:37
	28	23	800	100	450	1000	300	22	61	7:10
Trk.	6	1	----	----	----	---	---	40	2	:30
	10	2	----	----	----	---	---	55	12	1:29
Total		103	2200	1700	2600	5850	5340	219	343	41:13

RURAL FIRE PROTECTION DISTRICT NO. 12

Eng.	11	5	----	----	----	200	500	---	21	1:37
	20	--	100	----	150	200	300	---	3	1:31
	25	4	----	----	----	200	500	---	21	1:37
Trk.	10	25	3	----	----	----	---	---	11	1:22
Total		34	103	----	150	600	1300	---	56	6:07

EMERGENCY FIRE SERVICE OUTSIDE CITY LIMITS (cont)

AREAS UNDER MUTUAL AID AGREEMENTS

RURAL FIRE PROTECTION DISTRICT NO. 20

Co.	No. of No. Alarms	HOSE LAID			Booster		Ldrs. Raised	Miles Run	Time H-M
		3"	2½"	1½"	Feet	Gals.			
Eng. 20	1	----	----	----	----	---	---	7	:35
22	1	----	----	----	250	---	---	8	1:05
27	4	----	----	----	100	300	---	44	6:01
Res. 3	--	----	----	----	----	---	---	6	:40
Tnkr. 6	1	----	----	----	----	---	---	28	4:03
Total	7	----	----	----	350	300	---	93	12:24

CITY OF LAKE OSWEGO

Eng. 5	1	----	----	----	----	---	---	10	1:21
10	1	----	----	----	----	---	34	7	:50
Res. 1	1	----	----	----	----	---	---	8	:54
Total	3	----	----	----	----	---	34	25	3:05

CITY OF VANCOUVER, WASHINGTON

Eng. 8	1	----	----	50	----	300	---	10	1:17
Tnkr. 8	1	----	----	----	----	---	---	10	1:17
Total	2	----	----	50	----	300	---	20	2:34

GRAND TOTAL OF OUTSIDE CITY MUTUAL AID AGREEMENTS

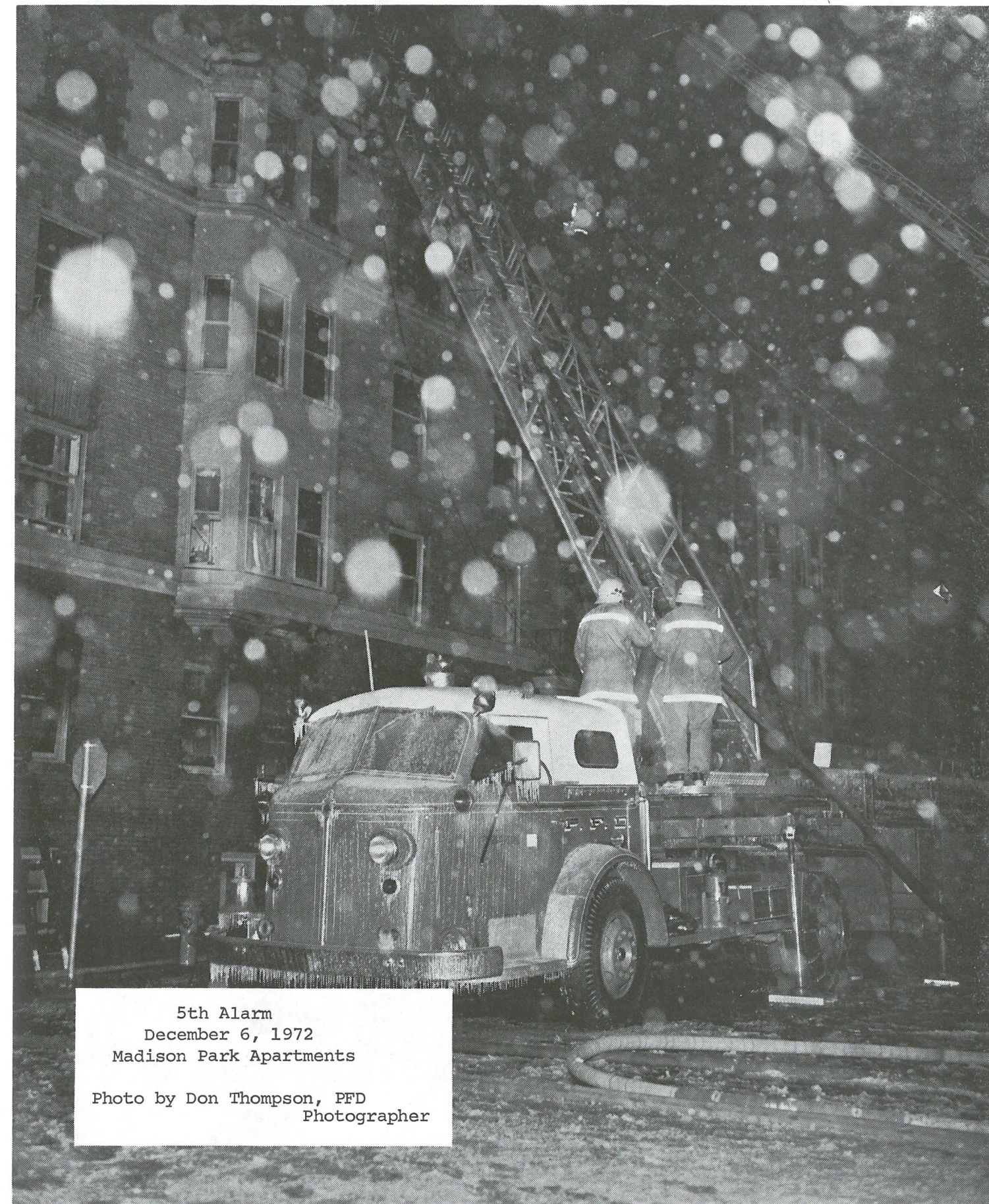
167	2903	1850	3450	6800	7240	311	674	86:59
-----	------	------	------	------	------	-----	-----	-------

AREAS NOT UNDER FIRE PROTECTION OR MUTUAL AID AGREEMENT

Eng. 10	1	(Milwaukie)	----	----	----	---	---	4	:10
18	2	(Clackamas County)	----	----	----	---	---	17	:47
20	2	(Milwaukie)	----	----	----	---	---	5	:55
22	5	----	----	450	1000	---	22	25	5:12
26	4	600	400	300	700	400	---	32	4:18
27	1	(Forest Grove)	----	----	----	---	---	12	:25
27	1	(State Forester)	----	----	----	---	---	10	:30
Trk. 9	3	----	----	----	----	---	---	13	3:08
Res. 3	2	----	----	----	----	---	---	10	1:40
Total	21	600	400	750	1700	400	22	128	17:05

GRAND TOTAL OF EMERGENCY SERVICE OUTSIDE CITY LIMITS

401	10353	5600	8500	18600	9840	1058	2100	327:52
-----	-------	------	------	-------	------	------	------	--------



5th Alarm
 December 6, 1972
 Madison Park Apartments
 Photo by Don Thompson, PFD
 Photographer

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 painters, two plumbers 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 in the Fire Bureau.

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 or partially reroofed 7 fire stations - Engines 6, 8, 9, 10, 23, 25 and 29.

Repainted the interiors of 6 fire houses - Engines 4, 13, 15, 23, 25 and 29.

Completely repainted the exterior of Engine 4.

At Engine 21 repainted many offices, the third floor hallway, entrance and lobby of the building.

Repainted the overhead doors at 6 of the fire houses - Engines 4, 6, 14, 20, 26 and 29.

Painted the flag poles at 4 fire houses - Engines 11, 16, 19 and 28.

Completely recovered the deck and painted the ramp at Fire Houseboat #3.

Repaired overhead doors including door panels and spring replacements at 6 fire houses - Engines 3, 4, 9, 13, 16 and 21.

Constructed a Toy and Joy Headquarters in the basement of Engine 21.

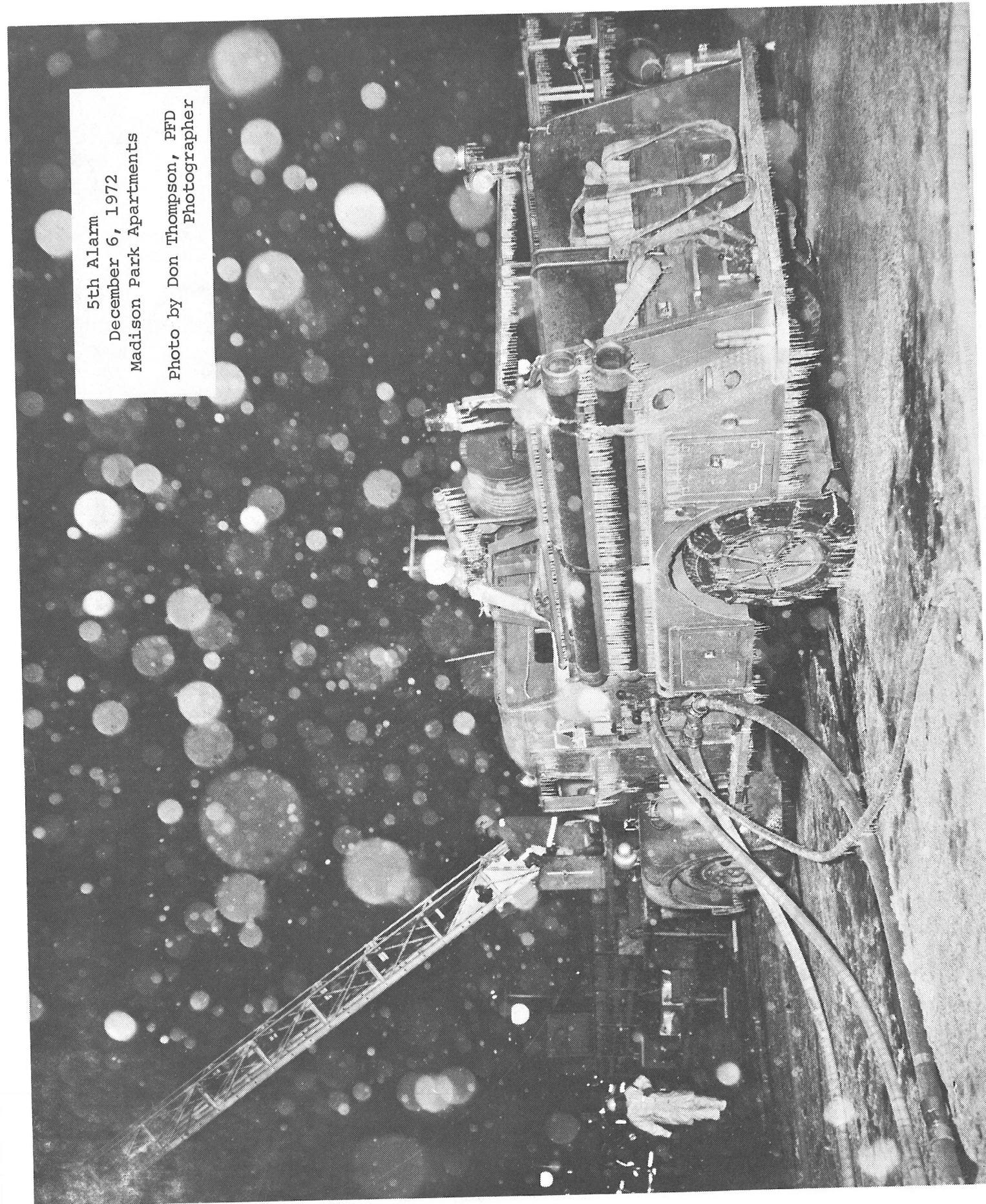
Installed accoustical tile and replaced lighting fixtures in the Assembly Room at Engine 21.

Retiled floors at Engine 23 officers' quarters, locker room and lavatories.

Retiled the floors in the locker room and dormitory at Engine 19.

Retiled the kitchen floor and replaced formica on drain boards, etc. at Engine 4.

5th Alarm
December 6, 1972
Madison Park Apartments
Photo by Don Thompson, PFD
Photographer



Diesel tanks and pumpers were installed at Engines 13 and 25.

Built dormer and installed a 60" vent fan at the Training Center pump shed.

Many man hours were employed in building and installing hand rails, mid rails, tow boards, ladder guards, guard rails, fan guards, etc. to bring fire department buildings up to OSHA standards.

Although this section is staffed by a limited number of personnel, the large amount of varied maintenance and repair work accomplished by them this year is commendable.

REAL ESTATE AND BUILDINGS

Station	Address	Constr. of Building	Year Built	Size of Lot 14650 sq. ft.	Original Bldg. Cost	Original Lot Cost	Auditor's Cost Value Land & Imprsr. To 7/1/72	Improvements To Land & Buildings 7/1/72-6/30/73	Equipment & Furnishings
Eng. 1	SW 57 Ave. & Barnes Rd.								
Eng. 2	630 SW Gaines	1S Frame	1962	93x120x90x100	59,744.05	Owned by State	66,925.60		3,060.45
Eng. 3	1715 NW Johnson	2S Brick	1967	104x120	139,518.97	73,099.00	212,633.97		6,315.29
Eng. 4	511 SW College St.	1S Brick	1962	77-1/2x100	143,438.11	45,253.58	189,071.17		3,874.69
Eng. 5	1505 SW Dewitt	1S Brick	1960	141.7x163.94	112,644.38	23,020.00	145,892.24		4,014.93
Eng. 6	3660 NW Front Ave.	1S Rein. Conc. & Block	1960	140x140	127,964.49	Leased	143,001.50		3,378.10
Eng. 7	1036 SE Stark St.	2S Brick	1927	50x100	33,314.35	4,250.00	41,099.39		2,731.60
Eng. 8	7134 N Maryland Ave.	1S Brick	1960	100x165	102,723.33	12,940.00	121,965.06		3,083.22
Eng. 9	900 SE 35th Ave.	2S Brick	1912	33-1/3x100	15,000.00	1,935.00	22,925.89		2,743.95
Eng. 10	5830 SW Kelly St.	1S Brick	1925	65x100	12,500.00	500.00	14,867.63		2,377.96
Eng. 11	5707 SE 92nd Ave.	1S Brick	1928	87-1/2x130	10,080.00	1,550.00	12,618.62		1,536.78
Eng. 13	926 NE Weidler	1S Brick	1955	100x100	94,964.00	2,500.00	102,864.03	473.56	4,537.48
Eng. 14	1905 NE Killingsworth	1S Brick	1959	140x140	117,293.85	Assigned By Ord.	117,286.70		2,854.52
Eng. 15	1920 SW Spring St.	1S Brick	1927	50x100	12,112.00	2,650.00	16,103.46		1,643.83
Eng. 16	4465 NW Yeon Ave.	1S Brick	1944	Tr. 2,775 sq. ft. tract	30,830.55	1,100.00	32,245.19		1,395.16
Eng. 18	8720 SW 30th Ave.	1S Brick	1960	113x155	121,153.66	11,973.88	139,666.39		3,090.77
Eng. 19	7301 E Burnside	1S Brick	1953	123.97x151.61	80,973.00	2,275.00	92,174.95		2,762.57
Eng. 20	2235 SE Bybee Ave.	1S Brick	1959	125x175	110,050.89	9,500.00	128,578.20		2,873.53
Eng. 21	55 SW Ash	3S Brick	1950	200x200	511,000.00	75,000.00	618,952.19	9,648.75	24,134.91
Eng. 21	55 SW Ash, 3rd floor								44,955.01

REAL ESTATE AND BUILDINGS

Stations 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 7/1/72	Improvements To Land & Buildings 7/1/72-6/30/73	Equipment & Furnishings \$
Eng. 22	7205 N Alta St.	1S Brick	1954	100x100	\$ 93,024.00	\$ 2,500.00	\$ 98,321.64	\$	4,375.20
Eng. 23	2915 SE 13th Pl.	3S Brick	1962	Incl. in D.T. Lot	174,078.61	392.38	196,335.44		4,784.96
Eng. 24	4515 N Maryland Ave.	1S Brick	1959	120x170	117,447.80	28,927.30	159,205.06		5,051.17
Eng. 25	5211 SE Mall St.	1S Brick	1959	100x150	116,468.88	10,832.29	124,824.68	1,088.32	2,775.83
Eng. 26	5247 N Lombard St.	1S Brick	1928	85x100	10,280.00	2,010.00	16,065.86		2,377.10
Eng. 27	11212 NW St. Helens Rd.	1S Brick	1940	100x100	12,600.00	1,815.00	43,995.78		2,497.24
Eng. 28	5540 NE Sandy Blvd.	2S Brick	1912	100x100	8,000.00	1,470.00	10,216.47		1,872.40
Eng. 29	5 SE Madison St.	1S Rein. Conc.	1960	Approx. 1 Acre	147,980.62	10,062.00	180,899.88		2,690.49
Auto Shop	1026 SE Stark St.	1S Frame	1964	50x100	21,386.18		21,386.18		24,045.17
Carp. Shop	Stanton & Kirby								18,083.67
Drill Tower	SE 11th & Powell	6S Rein. Conc.	1936	210x210	27,000.00	9,300.00	34,585.94		
Pump	SE 11th & Powell		1965		7,393.54		7,393.54		25,185.27
Sch. Bldg.	NE 21st & Pacific	1S Brick	1928	.47 Acre	21,660.00	5,440.36	399,381.08		14,485.09
Fire Alm. Hdqt's.	NE 21st & Pacific	2S Rein. Conc.	1956	50x100	47,000.00	115.00	52,053.86		1,924.17
Fire Alm. Whse.	NE 21st & Pacific			Floating Barge	19,251.15		24,574.91		
Bt. House No. 3	Wheeler Bay, Term. 4	1S Frame	1937						20,567.03
Tr. Cen.	2915 SE 13th Pl.								3,374.78
T.S. #2	5340 N Interstate	2S Brick	1912	100x100	15,000.00	6,775.00	21,755.00		
**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	\$3,635,529.81	\$11,210.63	\$255,655.40

**Used for Toy & Joy Warehouse

APPARATUS MAINTENANCE SECTION

The Apparatus Maintenance Section is supervised by the Fire Apparatus Superintendent. This section is comprised of three auto mechanics, one air mask mechanic, one utility worker, and for emergency service three fire fighter specialist mechanics.

This section provides around-the-clock repair, maintenance, and service for 58 pieces of fire apparatus, 3 rescue units, 20 service trucks, 5 communications vans, 37 automobiles and 4 fireboats.

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.

During the fiscal year 1972-73, the following was accomplished:

One van was equipped and put in service as Rescue 3.

Specifications were written and contracts awarded for seven triple combination pumpers, one tanker-pumper, and one quad.

Specifications were written for one 100' tractor-drawn aerial ladder truck.

Gasoline engines on two pumpers were replaced with diesel engines.

Six automobiles, two station wagons, and one dump truck were purchased for replacements.

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

E N G I N E S

Co. No.	App. No.	Make	Type	Pump Capacity	Tank	Drive	In Service	Motor or Serial No.	Cost
Eng. 2	33	Seagrave	Quad	1000	300	STD	4-15-54	G-8500	\$ 23,055.89
3	84	Kenworth	HPB	1500	150	STD	2-15-52	601725	22,715.00
* 4	98	GMC	HPBTC	1750	300	STD	1-21-72	TE 90A-D174694	51,611.80 **
5	7	Seagrave	HPB	1250	300	No Spin	1-26-60	12445	28,174.00
6	85	Kenworth	HPB	1500	150	FWD	11-30-51	601590	22,765.23
7	89	Maxim	HPB	1500	200	STD	2-15-52	601733	19,802.67 **
* 8	97	GMC	HPBTC	1750	300	STD	7-12-71	TE 90A-D068386	51,616.98 **
9	25	Seagrave	HPBT	1250	300	STD	2-04-60	601734	28,174.00
10	75	International	HPB	1000	120	STD	1-20-53	480376	17,188.56
*11	14	Seagrave	HPB	1000	500	No Spin	1-19-61	L-2441	24,400.00
*13	94	Hahn	HPB	1250	300	STD	9-16-68	HC14512688F MVSS	34,241.92
14	18	Seagrave	HPB	1250	300	STD	2-08-60	L-2442	28,174.00
15	73	FWD	HPB	1250	300	FWD	3-24-52	601788	23,277.45
16	82	Kenworth	HPB	1500	150	FWD	11-15-51	601708	22,908.47
18	76	International	HPB	1000	120	STD	1-20-53	480377	17,188.56
19	45	Pirsch	HPBT	1000	300	No Spin	4-01-64	2696	27,937.00
20	21	Seagrave	HPBT	1250	300	STD	1-22-60	L-2443	28,174.00
*21	95	Hahn	HPBT	1250	300	STD	9-16-68	HC14512689F MVSS	36,863.40
22	10	Seagrave	HPBT	1250	300	STD	1-20-60	L-2446	28,174.00
23	15	Seagrave	HPBT	1250	300	STD	5-17-61	360046	28,174.00
24	42	Seagrave	HPBT	1000	300	No Spin	4-10-63	6606195	28,659.96
*25	31	Seagrave	HPBT	1000	500	No Spin	1-09-61	L-2444	24,400.00
*26	27	Seagrave	HPB	1000	500	No Spin	1-14-61	L-2440	24,400.00
27	83	Kenworth	HPBT	1500	150	STD	12-17-51	601726	22,768.00
28	20	Seagrave	HPBT	1250	300	No Spin	1-28-60	350045	28,174.00
29	87	Maxim	HPBT	1500	200	STD	2-15-52	601735	18,793.12
									\$ 687,412.01

* Diesel Engine
 ** Special equipment carried: 50 gallons Light Water - 80 gallons Foam - 400# of CO₂ - 1000# dry chemical

M A N I F O L D S

* 3	92	GMC	HBTT	----	300	STD	4-30-68	TW9700AD20191	27,887.45
7	2	Am. LaFrance	HBTT	----	300	STD	6-26-66	B17 - 106PJC	14,617.06
									\$ 42,504.51

* Diesel Engine

R E S E R V E E N G I N E S

Co. No.	Location	App. No.	Make	Type	Capacity	In Service	Motor or I. D. No.	Cost
Eng. 1R	Eng. 19	86	Kenworth	HPB	1500	11-26-51	601727	23,055.89
2R	Eng. 6	13	Mack	HPB	1000	1-01-45	EY 19-92F	11,436.12
3R	Eng. 25	90	Maxim	HPB	1500	2-15-52	601732	19,740.63
4R	Eng. 7	17	Mack	HPB	1250	10-14-49	21LS1077	17,214.00
5R	Eng. 23	91	Maxim	HPBT	1500	2-15-52	601734	19,730.62
7R	Eng. 21	74	Mack	HPBT	1000	9-18-43	EY 22-76F	9,961.12
8R	Eng. 14	43	GMC	HBT	300	8-19-54	5034711	17,130.45
9R	TS #2	38	GMC	HBT	300	10-19-54	5034453	17,228.79
								\$ 135,497.62

Man. 1R Eng. 21 5

Federal HT

3-15-57

\$ 3,322.00

L A D D E R T R U C K S

Co. No.	Location	App. No.	Make	Type	In Service	Motor or I. D. No.	Cost
*Truck 1	Eng. 21	96	Sutphen	85' Platform Aerial	9-01-70	R8V7IN-CF	\$ 98,874.00
2	Eng. 4	39	Am. LaFrance	100' Tractor	2-17-50	BMI314733	36,000.00
3	Eng. 3	36	Seagrave	100' Tractor	11-20-59	L-2455	47,179.37
4	Eng. 23	4	Seagrave	100' Tractor	1-30-56	H-9740	37,179.93
5	Eng. 13	37	Seagrave	100' Tractor	12-03-59	L-2456	47,179.37
6	Eng. 19	34	Seagrave	85' 4-Wheel	11-20-59	L-2452	42,916.00
7	Eng. 24	30	Seagrave	85' 4-Wheel	1-31-60	L-2450	42,916.00
8	Eng. 5	26	Seagrave	85' 4-Wheel	12-15-59	L-2451	42,916.00
9	Eng. 22	3	Seagrave	65' 4-Wheel B	9-29-54	H-2170	35,073.36
10	Eng. 25	35	Seagrave	85' 4-Wheel	12-18-59	L-2453	42,916.00
							\$ 473,150.03

* Diesel Engine

RESERVE TRUCKS

Co. No.	Location	App. No.	Make	Type	In Service	Motor or I. D. No.	Cost
Truck 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
<u>COMPRESSOR TRUCKS</u>							
Comp. 2	Eng. 7	6	GMC	Breathing Air	3-22-56	37338FY1008	15,701.68
<u>SQUAD</u>							
Squad 1	Eng. 21	41	GMC	Emerg. Unit TT	4-05-62	70201149B	15,208.00
<u>RESCUE UNITS</u>							
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	5,237.06
3	Eng. 22	F-22	Dodge	First Aid Car	3-23-72	B31BE2U559132	3,305.97
<u>FIREBOAT TENDER</u>							
Tur. 1	Eng. 29	23	Kenworth	H & T	6-30-48	1456K715215	11,100.24
<u>SPECIAL EQUIPMENT</u>							
F.A.T. Tanker 18	Warehouse	22	GMC	Utility Compressor	6-14-42	B22811-0997	1,025.00
Tanker 6	Eng. 18	1	GMC	HBT 500 Gal. Water Tank	10-19-54	5035641	17,127.20
*Tanker 8	Eng. 6	28	FWD	1500 Gal. Water Tank	10-13-53	605094	23,071.05
**T. Center	Eng. 8	93	GMC	HB 1350 Gal. Water Tank	8-17-67	D20191	23,149.72
Jeep 1	Drill Yd.	F-95	Dodge	Gas & Diesel Truck	12-31-67	T12086194	2,275.00
Jeep 2	Eng. 21	F-21	Willlys	Jeep (open)	1-01-60	42862	175.00
	Eng. 27	F-11	Willlys	Jeep (closed)	10-30-59	53967	152.00
							\$ 43,780.59

* Diesel Engine
 ** Purchase price including Trade-in

FIREBOATS

Locations	Name	Builder	Date Purchased	Cost
Fireboat 1 (at Bt.2)	Mike Laudenklos	Baker Construction Co.	2-1-27	\$ 103,615.16
Fireboat 2	David Campbell	Baker Construction Co.	2-1-27	103,615.16
Fireboat 3	Karl Gunster	Baker Construction Co.	2-1-27	103,615.16
Fireboat 4 (at Bt.1)	Virgil Spencer	Rohr Corporation	1-7-72	147,889.11
				\$ 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 3-1/2" hose line connections.

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

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

RATED PUMPING CAPACITY: 12,500 gpm @ 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 3-1/2" outlets, 2 gated 2-1/2" outlets.

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

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

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

RATED PUMPING CAPACITY: 6,000 gpm @ 150 p.s.i.

A U T O M O B I L E S

Used By	Code No.	Make	Type	Motor or I. D. No.	Date Purchased	Cost
Fire Chief	F-64	Ford	4-dr. Sedan	3H27H183273	5-01-73	2,991.27
Asst. Fire Chief-Exec. Off.	F-65	Ford	4-dr. Sedan	3H27H183271	5-01-73	2,991.27
Assistant Chiefs	F-62	Plymouth	4-dr. Sedan	RL41-G2G-180611	5-05-72	2,710.97
Fire Batt. Chief (Adm.)	F-68	Ford	4-dr. Sedan	3H27H183272	5-01-73	2,991.27
Battalion 1 Chief	F-70	Ford	Sta. Wagon	3P72S151629	5-01-73	3,674.76
Battalion 2 Chief	F-55	Dodge	Sta. Wagon	DL45-P2D-229061	3-31-72	3,405.99
Battalion 3 Chief	F-56	Dodge	Sta. Wagon	DL45-P2D-229060	3-31-72	3,405.99
Battalion 4 Chief	F-71	Ford	Sta. Wagon	3P72S151628	5-01-73	3,674.76
Staff	F-61	Plymouth	4-dr. Sedan	RL41-G2G-180606	5-05-72	2,710.97
Fire Marshal	F-66	Ford	4-dr. Sedan	3H27H183274	5-01-73	2,991.27
Asst. Fire Marshal	F-60	Plymouth	4-dr. Sedan	RL41-G2G-180612	5-05-72	2,170.97
Chief Investigator	F-59	Plymouth	4-dr. Sedan	RL41-G2G-180609	5-05-72	2,710.97
Fire Investigator	F-36	Ford	4-dr. Sedan	9R31F149618	4-01-69	1,740.73
Fire Prevention	F-63	Plymouth	4-dr. Sedan	RL41-G2G-180610	5-05-72	2,710.97
Fire Prevention	F-14	Ford	4-dr. Sedan	OR28F140652	4-29-70	1,828.55
Fire Prevention	F-37	Ford	4-dr. Sedan	9R31F148667	4-01-69	1,740.73
Fire Prevention	F-6	Plymouth	4-dr. Sedan	PE41F8D197942	2-16-68	1,889.90
Fire Prevention	F-7	Plymouth	4-dr. Sedan	PE41F8D197941	2-16-68	1,889.90
Fire Prevention	F-1	Plymouth	4-dr. Sedan	PE41F8D197943	2-16-68	1,889.90
Fire Prevention	F-2	Plymouth	4-dr. Sedan	PE41F8D197944	2-16-68	1,889.90
Fire Prevention	F-3	Plymouth	4-dr. Sedan	PE41F8D197945	2-10-68	1,889.90
Fire Prevention	F-35	Ford	4-dr. Sedan	9R31F148670	4-01-69	1,740.73
Fire Prevention	F-90	Plymouth	4-dr. Sedan	PE41F74-223811	4-28-67	1,798.15
Fire Prevention	F-98	Plymouth	4-dr. Sedan	PK41H80196980	2-16-68	2,287.55
Fire Prevention	F-15	Ford	4-dr. Sedan	OR28F140656	4-29-70	1,828.55
Fire Prevention	F-13	Ford	4-dr. Sedan	OR28F140649	4-29-70	1,828.55
Fire Alarm Telegraph	F-67	Ford	4-dr. Sedan	3H27H183270	5-01-73	2,991.27
Fire Alarm Telegraph	F-58	Plymouth	4-dr. Sedan	RL41-G2G-180608	5-05-72	2,710.97
Training Division	F-31	Plymouth	Sta. Wagon	PE45H9D234079	3-10-69	2,496.00
Training Division	F-16	Ford	4-dr. Sedan	OR28F140666	4-29-70	1,828.55
Fire Prevention	F-57	Plymouth	4-dr. Sedan	R141-G2G-180607	5-05-72	2,710.97
Fire Prevention	F-17	Plymouth	Sta. Wagon	PL45NOD241581	5-25-70	2,596.66
Apparatus Division	F-18	Plymouth	Sta. Wagon	PL45NOD241584	5-25-70	2,596.66
Apparatus Division	F-69	Ford	4-dr. Sedan	3H27H183275	5-01-73	2,991.27
Apparatus Division	F-29	Plymouth	Sta. Wagon	P45H9D234080	3-10-69	2,496.00
Apparatus Division	F-30	Plymouth	Sta. Wagon	P45H9D234081	3-10-69	2,496.00
Apparatus Division	F-34	Ford	4-dr. Sedan	9R31F151046	4-01-69	1,740.73

\$ 91,579.55

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	F50VR21206	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	AMI20-MI2899A	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-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 Flat Bed	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-99	International	1 Ton Dump Truck	B13301H300249	8-1-72	4,836.79

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	AM122M7415B	8-6-58	3,074.98

\$ 77,508.14

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.
Engine 21	Amoskeg	4th Class	260	325	213

I N V E N T O R Y

REAL ESTATE - LAND & BUILDINGS

Fire Stations - Double	12	\$ 2,264,176.76
*Fire Stations - Single	15	809,135.15
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		5,028.37
		<u>3,635,529.82</u>

\$ 3,635,529.82

(Land only)

MOBILE EQUIPMENT

	<u>Active</u>	<u>Reserve</u>	\$
Automobiles	37	8	91,579.55
Pumpers	26	3	799,853.74
Ladder Trucks	10	1	534,920.11
Manifolds	2		45,826.51
Compressors	1		15,701.68
Quads	1		23,055.89
Squad	1		15,208.00
Rescue Units	3		43,780.59
Truck-Water Tankers	3		63,347.97
Truck-Gasoline	1		2,275.00
Trucks-Maintenance	16		55,481.86
Compressor-Maintenance	1		1,025.00
Panel - Communications Vans	6		22,026.28
Jeeps	2		327.00
Fireboats	3	1	458,734.48
Fireboat Tender	1		11,100.24
	<u>114</u>	<u>13</u>	<u>2,184,243.90</u>

2,184,243.90

255,655.40

1,517,390.00
\$ 7,592,819.12

Estimated Cost of Equipment & Furnishings

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

Total

*Includes 1 Houseboat

FIRE HOSE STATUS
(as of June 30, 1973)

FIRE HOSE INVENTORY ACCORDING TO SIZE:

<u>Size</u>	<u>Lengths</u>	<u>Feet</u>
1½"	805	40,250
2½"	1,032	51,600
3"	1,005	50,250
3½"	141	7,050
4"	6	600
TOTALS	2,989	149,750

FIRE HOSE INVENTORY ACCORDING TO AGE

1½" FIRE HOSE (805 Lengths):

<u>Purchased</u>	<u>+ 10 Years</u>	<u>- 10 Years</u>	<u>% of Total</u>
1953	9		1.13%
1965		52	6.45%
1967		89	11.07%
1968		117	14.54%
1969		151	18.75%
1970		107	13.29%
1971		120	14.90%
1972		41	5.09%
1973		<u>119</u>	<u>14.78%</u>
TOTALS	9 (1.13%)	796 (98.87%)	100.00%

2½" FIRE HOSE (1,032 Lengths):

<u>Purchased</u>	<u>+ 10 Years</u>	<u>- 10 Years</u>	<u>% of Total</u>
1963	52		5.04%
1965		228	22.10%
1967		137	13.27%
1968		51	4.94%
1969		176	17.05%
1970		2	.20%
1971		145	14.05%
1973		<u>241</u>	<u>23.35%</u>
TOTALS	52 (5.04%)	980 (94.96%)	100.00%

3" FIRE HOSE (1,005 Lengths):

<u>Purchased</u>	<u>+ 10 Years</u>	<u>- 10 Years</u>	<u>% of Total</u>
1962	298		29.65%
1964		221	22.03%
1967		91	9.05%
1968		128	12.74%
1970		155	15.41%
1972		81	8.05%
1973		<u>31</u>	<u>3.07%</u>
TOTALS	298 (29.65%)	707 (70.35%)	100.00%

FIRE HOSE INVENTORY ACCORDING TO AGE (cont)

3½" FIRE HOSE (141 Lengths):

<u>Purchased</u>	<u>+ 10 Years</u>	<u>- 10 Years</u>	<u>% of Total</u>
1965		21	14.89%
1966		40	28.37%
1968		80	56.74%
TOTALS	0 (00.00%)	141 (100.00%)	100.00%

4" FIRE HOSE (6 Lengths):

<u>Purchased</u>	<u>+ 10 Years</u>	<u>- 10 Years</u>	<u>% of Total</u>
1971		6	100.00%
TOTALS	0 (00.00%)	6 (100.00%)	100.00%

DISTRIBUTION OF FIRE HOSE (Shown as LENGTHS)
FEET

	<u>1½"</u>	<u>2½"</u>	<u>3"</u>	<u>3½"</u>	<u>4"</u>
First Line Companies	<u>620</u> 31,000	<u>860</u> 43,000	<u>840</u> 42,000	<u>34</u> 1,700	
Reserve Companies	<u>80</u> 4,000	<u>108</u> 5,400	<u>100</u> 5,000	<u>87</u> 4,350	
Warehouse	<u>13</u> 650	<u>14</u> 700	<u>15</u> 750	<u>20</u> 1,000	<u>6</u> 600
Salvage	<u>40</u> 2,000	<u>50</u> 2,500	<u>50</u> 2,500		
Washdown	<u>52</u> 2,600				
TOTALS	<u>805</u> 40,250	<u>1,032</u> 51,600	<u>1,005</u> 50,250	<u>141</u> 7,050	<u>6</u> 600

ACQUISITION AND DISPOSAL OF FIRE HOSE

NEW FIRE HOSE PURCHASED:

3/13/73	120 Lengths of 1½" Fire Hose
	30 Lengths of 3" Fire Hose
4/04/73	160 Lengths of 2½" Fire Hose
6/19/73	80 Lengths of 2½" Fire Hose

HOSE CONDEMNED AND REMOVED FROM FIRE BUREAU CONTROL:

1½"	249 Lengths
2½"	304 Lengths
3"	17 Lengths
3½"	<u>1</u> Length
TOTAL	571 Lengths

FIRE HOSE REPAIR:

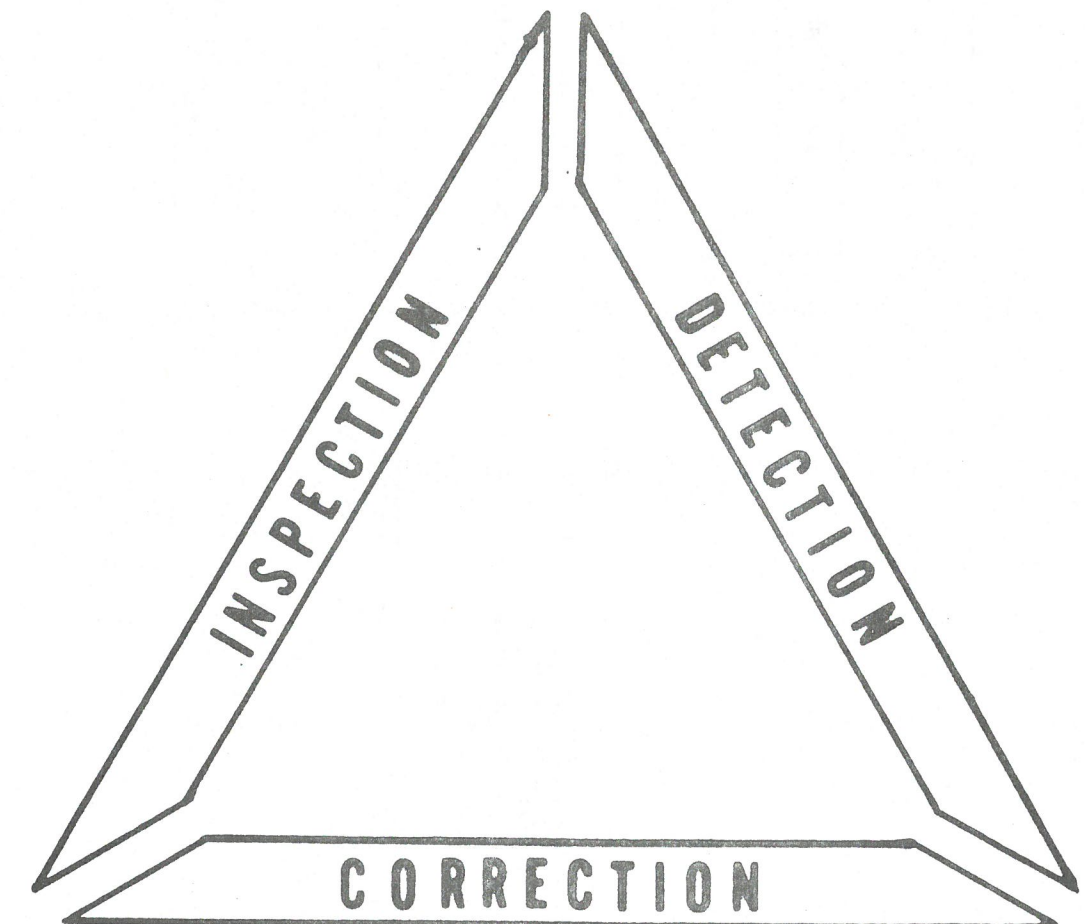
During the fiscal year, 85 lengths of assorted fire hose were repaired at the Municipal Shops at a total cost of \$1,107.70. An additional 12 lengths of assorted fire hose were repaired by the Fire Bureau, utilizing contact cement and patches.

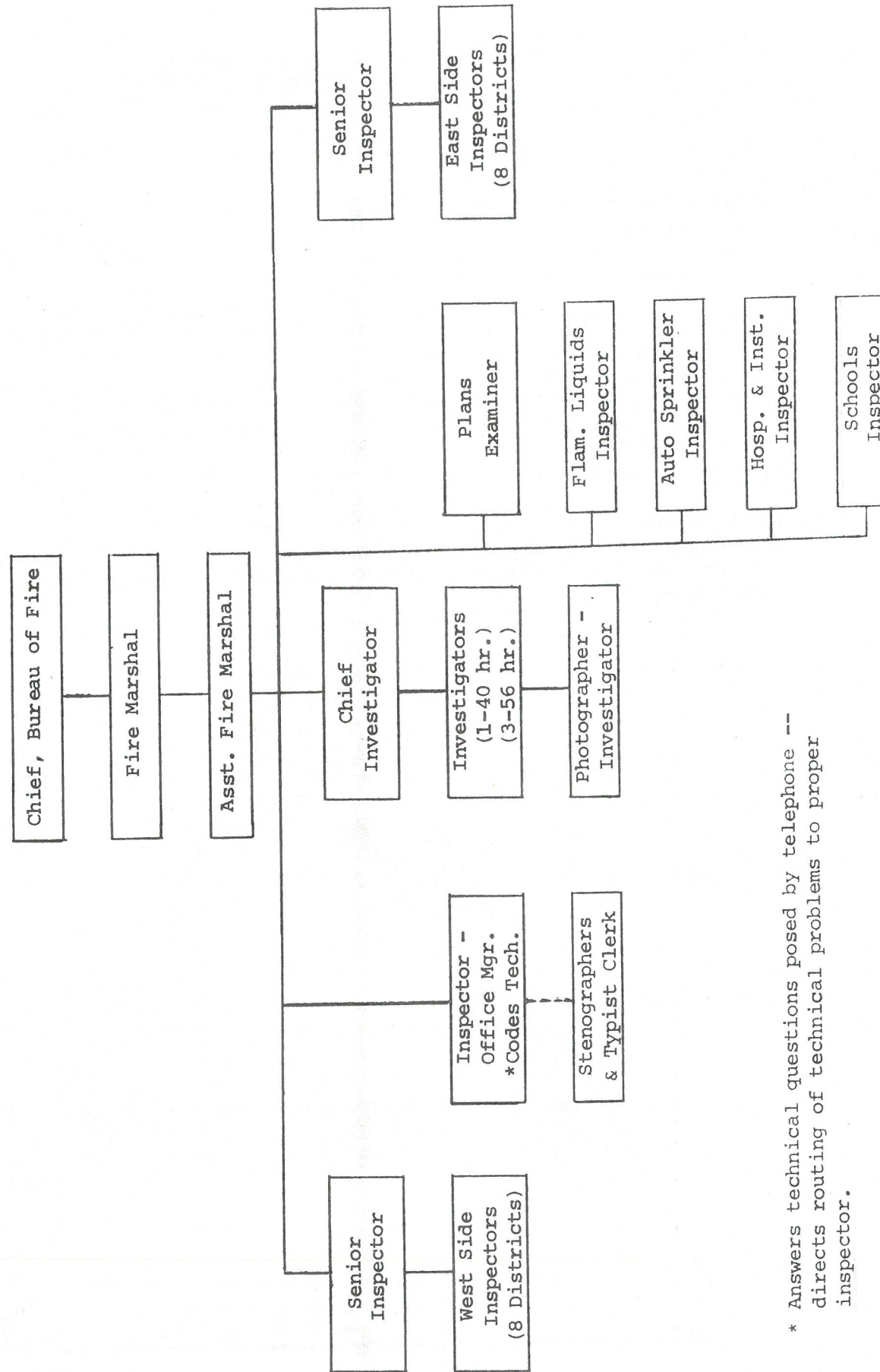
FIRE PREVENTION DIVISION

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.

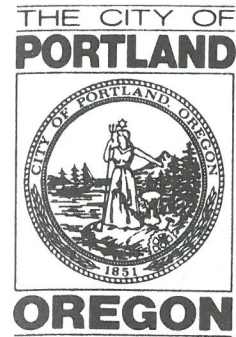
The Division is headed by a Fire Marshal (Assistant Chief grade), assisted by an Assistant Fire Marshal (Battalion Chief grade). The Assistant Fire Marshal supervises the Inspection Section. Directly under him are two Senior Fire Inspectors (Captain equivalent), each in turn supervising eight district 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.





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



FIRE PREVENTION DIVISION

FRANCIS J. IVANCIE
COMMISSIONER

JAMES R. KERR
FIRE MARSHAL

55 S.W. ASH STREET
PORTLAND, OR. 97204
503/248-4363

Dear Chief Riopelle:

The statistical report on the following pages reflects the inability of the fire services, nationally as well as locally, to motivate Mr. and Mrs. John Q. Citizen to practice fire safety in their own homes. I sometimes wonder if an ad, such as the following, might get attention:

LOST - FOUR MILLION DOLLARS

WHEN: Sometime between January and December 1973 by the people of Portland.

WHERE: Mostly where they live and where they work.

CAUSE: Primarily carelessness and indifference.

INCALCULABLE LOSS: The lives of 21 people, 18 from fires in their own homes, two of them from arson.

IRREPLACEABLE LOSS: Prized personal possessions of sentimental value to their owners that no insurance can adequately cover.

OTHER LOSS: Jobs, business income and destruction of a portion of the real property tax base.

* * * * *

To offset the indifference of the average person to the dangers of fire, our new building code, to go into effect shortly, will require a "products of combustion" detector in every new building where people sleep, including one-family dwellings. Even at the rate new houses, apartments, town houses, and condominiums are being constructed though, it will still be quite a while before home fire deaths show a decline as a result because only a very small percentage of deaths occur in new buildings.

The number of alarms answered last year rose sharply from 8,590 to 10,094. Dollar loss dropped from \$4,323,551 to \$4,002,081, a savings of a little over \$320,000. It is heartening to observe that loss from arson and incendiarism was reduced nearly half from more than 57% of the total loss the preceding year to 30%

this last year and I believe our hard-working fire investigation staff deserves much credit for this.

One big step forward was made in fire safety by the installation of an automatic sprinkler system in the basement of the Multnomah County Court-house. I am happy to be able to report that this initial protection is being supplemented with a smoke detector and 24-hour surveillance system and a promise to phase in complete building sprinkler protection in the next five years.

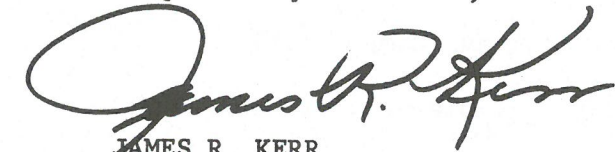
Our program of assisting the Building Division in enforcement of the new retroactive building code requirement to improve life safety from fire in older apartment houses is proceeding in a relatively orderly fashion with building inspectors, housing inspectors, and fire inspectors all giving the program as much attention as possible. Some rather impressive figures from this effort should be available soon.

District fire inspectors from this office made 32,051 routine and special inspections in which 12,570 hazards and code violations were noted and corrected. Inspector specialists made 2,941 inspections of hospitals, institutions, schools, flammable liquid and compressed gas installations, sprinkler systems, etc. 3,418 plans for new buildings and for building alterations were examined and approved by the Fire Marshal Plans Examiner. 243 joint safety inspections of city and county buildings were made by a team composed of representatives of this office, electrical, safety department, and building inspectors in a program to bring public buildings in line with O.S.H.A. standards. This is a scheduled program that has long been needed.

I anticipate that this will be my last annual report as Fire Marshal as I hope to retire from the fire service shortly. From the intimate association with architects, engineers, building owners and managers, utilities, code writing bodies, governmental agencies at all levels, and active participation in National Fire Protection Association sections which the position of Fire Marshal has given me the privilege of enjoying, I can predict that my successor will be meeting with some major problems. The growing trend to place responsibility on the owner to provide built-in fire protection in new buildings rather than rely on the taxpayer to provide increased public suppression forces will gain both momentum and resistance and the Fire Marshal will be a key figure. Predicted fuel shortages by public utilities will create some difficult problems in engineering safe stand-by emergency fuel reserves, and enforcement of practical safety standards will be his responsibility. The trend toward large water front developments and the tendency to close off large areas to vehicular traffic, thereby impeding emergency response of men and apparatus, will tax his resourcefulness in properly protecting public safety from fire. The increased emphasis on fire prevention inspections by insurance rating authorities will broaden his responsibilities. I feel assured this overview will be given careful consideration when you select a man to fill the responsibilities of this office.

I can say to him that he is inheriting an intelligent, capable, hard-working staff and if he continues to receive the cooperation and assistance from his Commissioner and all other bureaus and divisions that I have enjoyed, he will indeed be fortunate.

Respectfully submitted,



JAMES R. KERR
Fire Marshal

SUMMARY OF INSPECTION WORK

Calendar Year 1972

Total Number Of District Fire Inspections	23,633
Special Inspections (Complaints).	8,418
Total Number Of Violations Or Hazards Noted	15,352
Total Number Of Abatements Or Corrections	12,570
Hospital And Institutional Home Inspections	693
Theaters Inspected.	259
Clubs And Other Places Of Public Assembly (Night Inspections)	178
Schools Inspected: College, Nursery, Public And Parochial. .	921
Fire Prevention Lectures.	451
Fire Extinguishing Systems And Standpipes Inspections	890
Fire Exit Drills.	1,438
Fire Marshal Permits	1,539*
Certificates Of Fitness	390
Oil Burning Equipment Installations, Permits And Inspections.	252*
Gasoline Tank And Pump Permits And Inspections.	64
Bulk Oil Storage Applications Processed For Council Action And Permitted By Ordinance	2
Revenue From Fees: All Permits, Fire Reports, Etc.	\$14,546.01
Bulk Oil Storage.	200.00
	<u>\$14,746.01</u>
Licenses: Inspection For Approval.	507
Plans Examined And Approved By Fire Marshal Plans Examiner: New Construction And Alterations	3,315
Propane Permits And Installations	22*

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

SUMMARY OF FIRE ALARMS

Calendar Year 1972

Incidents In Buildings	1,274
Fires In Buildings (By Construction)	
Type I and II (Fire Resistive, Noncombustible)	47
Type III (Masonry Walls, One-Hour Combustible)	178
Type IV (Metalclad)	14
Type V (Frame)	1,035
Incidents Other Than Buildings	8,820
Mobile Stock Fires	
Auto Fires	758
Construction Equipment	3
Trucks, General	103
Vehicles, Public	3
Other Vehicles	17
Railroad Cars	5
Boats And Ships	9
Grass, Trash, Brush And Bonfires, Etc.	1,008
Outside - Mutual Aid	231
First Aid	1,374
False Alarms	1,686
Wash Downs	395
Smoke Or Steam Scares	1,122
Accidental Or Defective Alarms	350
Railroad Right-Of-Way	56
Mistaken Alarms	350
Explosions	1
Mailboxes	4
Bridges, Piers, Trestles	10
Signs And Billboards	2
Tarpots	4
Other Public Service	1,329
	<u>Total Calls</u>
	<u>10,094</u>

ALARMS RECEIVED

Box	1,883
Telephone	7,630
Still	406
ADT	129
Radio	46
Total	<u>10,094</u>

GREATER ALARMS

2nd Alarms	18
3rd Alarms	8
4th Alarms	1
5th Alarms	2
Total	<u>29</u>

SUMMARY OF FIRE ALARMS
Calendar Year 1972

VALUES INVOLVED IN FIRE

Total Value of Buildings	\$ 315,557,319
Total Value of Contents	104,445,821
Total Value of Equipment	55,225,472
	<hr/>
TOTAL	<u>\$ 475,228,612</u>
Total Loss to Buildings	\$ 2,387,286
Total Loss to Contents	1,132,155
Total Loss of Equipment	482,640
	<hr/>
TOTAL	<u>\$ 4,002,081</u>
Total Insurance on Buildings	\$ 25,795,052
Total Insurance on Contents/Equipment	8,678,684
	<hr/>
TOTAL	<u>\$ 34,473,736</u>

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 FROM FIRE INVESTIGATION
January 1, 1972 -- December 31, 1972

FIRES INVESTIGATED

Arson, Probable Arson, Threatened Arson And Attempted Arson	516	
Juvenile With Fire Incidents	306	
Fires Investigated With Cause Unknown . . .	6	
Fires Investigated And Found Not Incendiary	<u>352</u>	1,180
Interviews And Interrogations By Investigators And Detectives	6,927	

INCENDIARY, SUSPICIOUS AND JUVENILE LOSS BY CAUSE

Arson, Probable Arson And Undetermined, Suspicious	\$1,086,960
Juvenile Caused Fires (All Types)	<u>125,115</u>
Total	\$1,212,075

PERSONS APPREHENDED FOR FIRE SETTING, THEFT OF BUREAU PROPERTY, ETC.

Juvenile With Fire	201	
Juvenile Arson	57	
Arson (Adults Over 18 Years)		
Arson I	13	
Assault (Arson Suspect)	1	
Attempted Arson	2	
Reckless Burning	4	
Possession Of Explosives	1	
Malicious Mischief	2	
Juvenile Mischief	3	
Theft Of Fire Bureau Property	<u>3</u>	287

DISPOSITION OF INDIVIDUALS APPREHENDED

Persons Convicted And/Or Committed For Arson	27	
Juveniles (7 To 18 Years) = 14		
Adults (Over 18 Years) = 13		
Juveniles Remanded To Parents	228	
Juveniles Referred To Juvenile Court Or in Custody Of Juvenile Home	<u>16</u>	271 *

(*This total includes only those persons apprehended for firesetting.)

REPORT FROM FIRE INVESTIGATION
January 1, 1972 -- December 31, 1972

DISPOSITION OF ADULTS

Awaiting Trial	3	
Convicted/Placed On Probation	6	
Convicted/Sentenced	1	
Found Not Guilty	1	
Committed To State Hospital	2	
Reduced To Disorderly Conduct	1	
Dismissed By Circuit Court Judge	2	
Reduced To Reckless Burning	3	
Reduced To Criminal Trespass/Mischief	4	23

FALSE ALARMS

Total Number Of False Alarms	1,686
Total Number Of False Alarms Cleared	83
Total Number Of Persons Apprehended	78

DISPOSITION OF INDIVIDUALS INVOLVED IN FALSE ALARMS

Adults Arrested	8	
Juveniles Apprehended		
Referred To Juvenile Division	3	
Remanded To Parents	67	78

FIRE DEATHS
Calendar Year 1972

- 1) MICHAEL BELL, 8
- 2) WANDA FAYE JOHNSON, 7
- 3) ROBERT EARL JOHNSON, 6
- 4) RUBY LEE JOHNSON, 4
- 5) TERESA LA RAE JOHNSON, 3
- 6) MAURICE JOHNSON, 2 months
- 7) DE RON A. TURNER, 2, all died January 6, 1972 of smoke inhalation in a dwelling fire at 4075 N. Borthwick. Cause: Combustible material on top of electric kitchen stove.
- 8) MORRIS JOHNSON, 71, died January 7, 1972 of smoke inhalation and ethyl alcohol in a dwelling fire at 522 N. Fremont. Cause: Smokers carelessness.
- 9) FREDRICK SHERBERG, 75, died January 11, 1972 of smoke inhalation in a dwelling fire at 3130 N. E. 57th. Cause: Overheated electric blanket.
- 10) MARK W. TINGLEY, 21, died March 19, 1972 of severe burns to 80 percent of his body sustained in a dwelling fire at 2004 N. E. Saratoga on March 5, 1972. Cause: Smokers carelessness.
- 11) HARRY L. HART, JR., 56, died June 13, 1972 of severe burns and smoke inhalation sustained in a dwelling fire at 3569 N. E. Fremont occurring on June 7, 1972. Cause: Smokers carelessness.
- 12) GEORGE WALLIS, 72, died August 12, 1972 of smoke inhalation in his apartment at 1017 S. W. 11th. Cause: Smokers carelessness.
- 13) WARD REGER, 83, died August 12, 1972 of smoke inhalation in his apartment at 1017 S. W. 11th; this fire an extension of the above smokers carelessness incident.
- 14) JOSEPHINE IRENE WOODS, 69, died August 12, 1972 of smoke inhalation in her apartment at 1017 S. W. 11th; this fire an extension of the above smokers carelessness incident.
- 15) JOHN JESS ROWE, 59, died July 6, 1972 of severe burns sustained in his apartment at 205 S. E. Grand occurring June 30, 1972. Cause: Smokers carelessness.

FIRE DEATHS
Calendar Year 1972

- 16) VERLIN PROCTOR, 23, died September 15, 1972 when a retaining strap broke on a bucket of molten metal causing the contents of the bucket to spill on him at 2141 N. W. 25th, the Esco Steel Foundry. Cause: Industrial accident.
- 17) CLIFFORD CHARLES BOWDEN, 26, died September 16, 1972 from severe third degree burns sustained in the above industrial accident at Esco Steel Foundry on September 15, 1972.
- 18) MARK ALAN BESHEAR, 18, died October 1, 1972 of smoke inhalation in a dwelling fire at 6809 N. Villard. Cause: Probable smokers carelessness.
- 19) CHRISTINE BACKE, 61, died December 6, 1972 of smoke inhalation in her apartment at 1210 S. W. Park. Cause: Arson.
- 20) W. E. BINKLEY, 82, died December 6, 1972 of smoke inhalation in his apartment at 1210 S. W. Park; an additional death in the above arson fire.
- 21) KATHERINE H. STEVENS, 78, died October 30, 1972 of burns to 40 percent of her body sustained in a fire at 800 N. W. 25th, Gard Convalescent Hospital, occurring September 17, 1972. Cause: Smokers carelessness.

BUILDING LOSS INCIDENTS BY CAUSE
Calendar Year 1972

	<u>Number Of Calls</u>
<u>Heating Equipment</u>	
Chimney Or Flue	31
Electric Heater (Portable)	5
Electric Heater (Wall)	15
Fireplace	27
Furnace Or Stove (Gas)	2
Furnace Or Stove (Hard Fuel)	2
Furnace Or Stove (Oil)	27
Gas Range Or Stove	4
Gas Water Heater	6
Gas Dryer	3
Oven Heating Or Bake Oven	6
Overheated Kettle	4
Steam Pipes	2
Other Heating Equipment (Not Defined)	1
Total	135
<u>Human Elements</u>	
Candles	35
Children With Fire Or Matches	106
Matches (Other Than Children)	2
Smokers Carelessness	265
Blow Torch (Cutting Or Welding/Thawing Pipes)	14
Incendiary	194
Careless With Gasoline And Other Flammable Liquids	22
Total	638
<u>Electrical - Other Than Heating</u>	
Electric Short In Fuse Box	3
Electric Appliance (Small And Portable)	16
Electric Pad Or Blanket	8
Electric Dryer	24
Electric Fixture (Outlet Plugs/Receptacles/Etc.)	3
Electric Iron	1
Electric Light Bulb Or Lamp (Lighting Fixtures)	25
Electric Motor	20
Electric Range	7

BUILDING LOSS INCIDENTS BY CAUSE
Calendar Year 1972

	Number Of Calls
<u>Electrical - Other Than Heating (Continued)</u>	
Television (Short Circuit)	18
Wire (Short Circuit)	96
Wire (Overheated)	6
Wall Thermostats	1
Wires (Downed)	3
Miscellaneous Electrical Appliances (Non-Portable)	3
Total	234
<u>Miscellaneous Fires</u>	
Bonfire (Extended To Building)	3
Explosion (Fireworks/Bombs/Etc.)	4
Friction (Other Than Auto)	6
Incinerator (Extended To Building)	3
Hot Ashes	11
Open Flame	3
Molten Metal	1
Sparks From Machinery (Running)	1
Spontaneous Ignition (Bacterial)	6
Spontaneous Ignition (Drying Or Oxidation)	12
Miscellaneous	17
Undetermined Source Of Ignition	2
Lightning	1
Sparks Or Embers	19
Spread From Adjoining Occupancy	35
Grease Fires Or Burned Food On Kitchen Stove	94
Combustibles Near Furnace/Heater/Stove Or Pipes	47
Carburetor Backfire (Auto Parked In Building)	2
Total	267
TOTAL BUILDING LOSS INCIDENTS BY CAUSE	<u>1,274</u>

BUREAU RESPONSE BY OCCUPANCY LOSS
Calendar Year 1972

	Total Calls
<u>Public Assembly Properties</u>	
Amusement Centers	4
Churches And Chapels	7
Night Clubs And Taverns	8
Restaurants	21
Theaters	3
Miscellaneous	2
Total	45
<u>Educational Properties</u>	
Colleges Or Universities	2
Elementary Schools	3
High Schools	4
Total	9
<u>Institutional Properties</u>	
Nursing Homes	4
Hospitals And Sanitariums	4
Childrens Day Care Centers	3
Jails	1
Total	12
<u>Residential Properties</u>	
Apartments (Three To Twenty Units)	193
Dwellings	752
Hotels And Motels	61
Other Residential Properties	24
Total	1,030
<u>Mercantile Properties</u>	
Markets Or Grocery Stores	4
Clothing Stores	3
Shoe Repair Shops	1

BUREAU RESPONSE BY OCCUPANCY LOSS
Calendar Year 1972

BUREAU RESPONSE BY OCCUPANCY LOSS
Calendar Year 1972

	<u>Total Calls</u>
<u>Mercantile Properties (Continued)</u>	
Furniture Stores	5
Hardware Stores	3
Book Stores	3
Jewelry Stores	1
Hobby And Toy Shops	1
Drugstores	2
Barber And Beauty Shops	2
Self-Service Laundries	4
Motor Vehicle Sales	3
Motor Vehicle Repair Shops	5
Public Service Stations	3
Department Stores	3
Variety Stores	1
Total	44
<u>Office, Laboratory, Communications, Utility And Raw Materials Properties</u>	
General Business Offices	17
Laboratories/Personnel Psychological	5
Banks	1
Total	23
<u>Manufacturing Properties</u>	
Meat Preparation And Preservation	3
Grain Mill Products	3
Textile Goods	2
Printing And Publishing	6
Wood Products	7

	<u>Total Calls</u>
<u>Manufacturing Properties (Continued)</u>	
Asphalt Products	3
Paints And Varnishes	2
Basic Iron And Steel	5
Basic Metal - Nonferrous	6
Machinery	3
Electric Appliances	2
Unclassified And Miscellaneous	4
Total	46
<u>Storage Properties</u>	
Flammable Liquids	3
Wood Products	4
Grain Elevators	6
Chemicals	2
Garages - Private	20
General Warehouses	10
Buildings Under Construction	6
Buildings Under Demolition	3
Vacant Properties	11
Total	65
TOTAL RESPONSE BY OCCUPANCY LOSS	<u>1,274</u>

NUMBER OF BUILDING FIRES PER RANGE OF LOSS

Calendar Year 1972

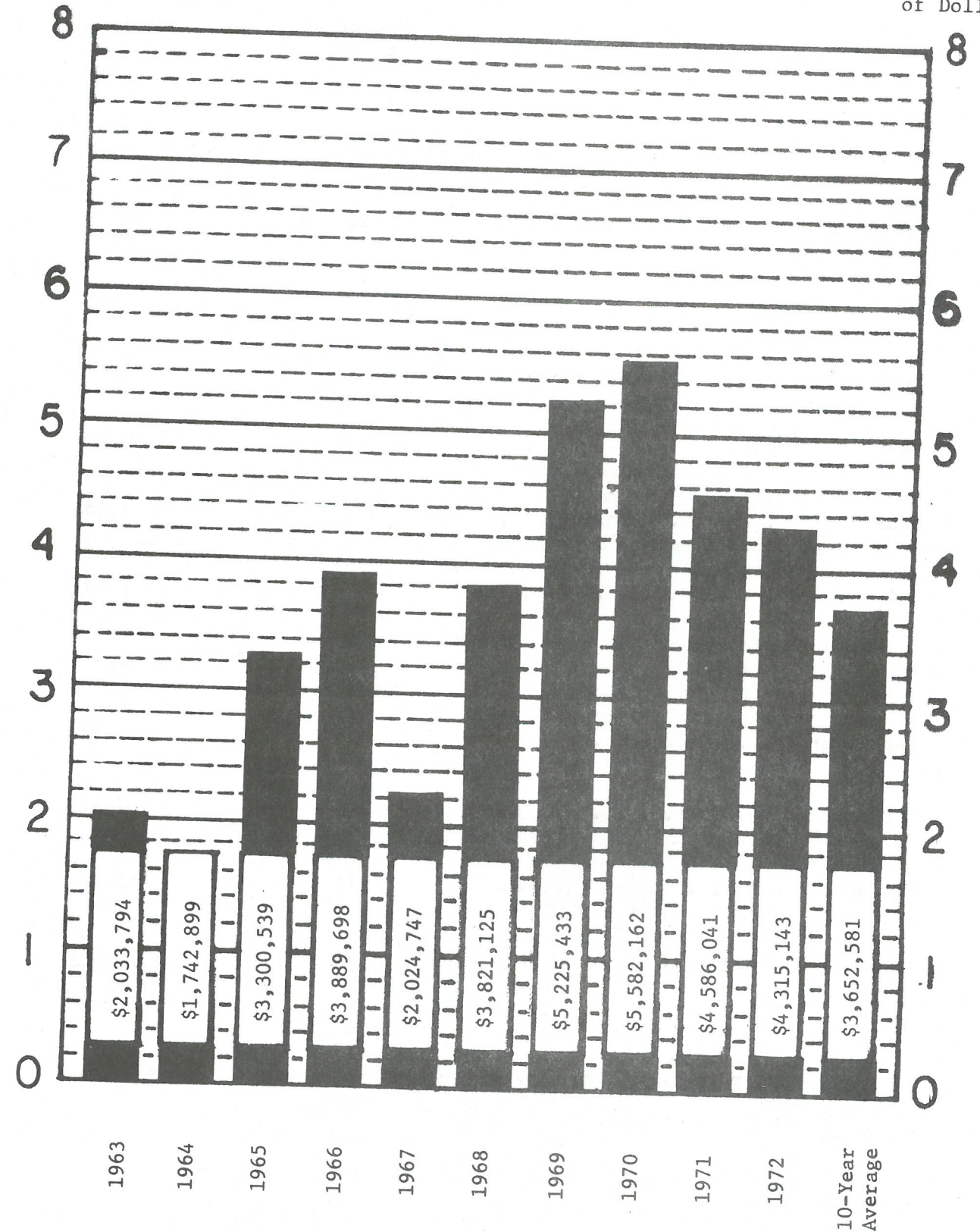
1972	Under \$ 999	\$1,000 To \$2,499	\$2,500 To \$9,999	\$10,000 To \$99,999	\$100,000 To \$499,999	Over \$500,000	Total
January	69	7	11	4	1	-	92
February	68	16	11	6	-	-	101
March	71	9	8	3	-	-	91
April	70	6	13	4	1	-	94
May	77	8	11	1	2	-	99
June	78	17	16	3	-	-	114
July	97	4	15	6	-	-	122
August	86	14	16	4	1	-	121
September	73	18	14	5	-	-	110
October	60	13	9	6	2	-	90
November	70	14	10	1	-	-	95
December	<u>106</u>	<u>16</u>	<u>16</u>	<u>5</u>	<u>2</u>	<u>-</u>	<u>145</u>
Total	925	142	150	48	9	-	1,274

TOTAL BUILDING FIRES WITH LOSS 1,274

Millions
of Dollars

COMPARATIVE LOSSES LAST TEN YEARS

Millions
of Dollars



LOSSES WHERE FIRE DEPARTMENT WAS NOT CALLED
Calendar Year 1972

	Number Of Unreported Fires	Approx. Amount Of Loss
January	27	\$ 4,252
February	22	6,432
March	19	10,950
April	12	3,246
May	23	5,784
June	15	3,406
July	9	1,607
August	12	2,948
September	15	6,322
October	16	7,872
November	16	5,241
December	<u>26</u>	<u>9,640</u>
Total	212	\$ 67,700
APPROXIMATE AVERAGE LOSS PER UNREPORTED FIRE		\$ 319

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, training programs are supervised, and training facilities and equipment are maintained. 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 fire suppression training, apparatus operator training, radiological monitoring training, first aid training, and other special programs as necessary. Refresher and new training is programmed 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.

OFFICERS' TRAINING SESSIONS:

An Officers' Training Session was held during November, 1972 relative to Affirmative Action Training for all supervisory personnel of the Bureau. This concerted training program was conducted by the Training Center staff and personnel of the Metropolitan Human Relations Commission.

In March, 1973 a second Officers' Training Session covering subjects such as Hydrants, High-Rise Building Fires, Building Collapse, Master Streams and Fire Strategy.

FIRE APPARATUS DRIVER TRAINING:

A comprehensive program for certification and recertification of all fire apparatus drivers and operators in the Bureau is conducted by the Fire Apparatus Instructor. The training consists of both an eye and a physical reflex examination, a course in defensive driving and instruction in apparatus operation. Certifications and recertifications are valid for a five-year period.



SUMMARY OF TRAINING CENTER ACTIVITIES

<u>ACTIVITY</u>	<u>DATE</u>	<u>NUMBERS INVOLVED</u>
Annual Fire Pump Test	March-April, 1973	23 First Line and 8 Reserve Apparatus
Apparatus Driver Training	7-1-72 thru 7-1-73	27 New Certifications 54 Recertifications
Campbell Memorial Honor Guard Platoon	June, 1973	One Platoon
Defensive Driving Training	7-1-72 thru 7-1-73	81
Elevator Lecture & Slide Presentation	12-72 thru 3-73	596 Men
Engine & Truck Evaluations	1973 Evaluations	103 Fire Companies 515 Men
Funeral Platoons For Deceased Firemen	7-1-72 thru 7-1-73	12 Platoons
House Drills Evaluated By Training Center Staff	7-1-72 thru 7-1-73	17 Drills
House Drills Evaluated By Battalion Chiefs	7-1-72 thru 7-1-73	289 Drills 365 Companies 1,815 Manhours
1st National Bank Slide Presentation	7-1-72 thru 7-1-73	90 Men
Lieutenant Trainees @ Eng. 23	7-1-72 thru 7-1-73	9 Men 2,160 Manhours
Multiple Company Drills Conducted by Battalion Chiefs	7-1-72 thru 7-1-73	124 Drills 404 Companies 3,030 Manhours
Officers' Training Sessions	11-72 & 3-73	132 Men & 136 Men
Officers' Training in Management, Administration, Staff and Command	11-72 & 7-73	11 Officers 7,388 Manhours
Oil Fire Training	7-1-72 thru 7-1-73	58 Men
Probationary Fire Fighter Final Written Examinations	7-1-72 thru 7-1-73	7 Classes
Probationary Fire Fighter Practical Examinations	7-1-72 thru 7-1-73	14 Classes
Training Center Publications	7-1-72 thru 7-1-73	Training Center Bulletins No. 13, 23 & 28

The Fire Fighter Trainee Program, under Public Law 92-54 (Emergency Employment Act) is in its second year of operation in the Fire Bureau. Early in 1972, 36 trainees had been enrolled in the program. Due to budget cutbacks originating at the National level, this number was reduced to 18 by November, 1972. As of January 1, 1974, there will be 9 trainees remaining under this program. This further cutback is part of the phase-out action which will result in the termination of the program by July, 1974.

The purpose of this program is to prepare interested and qualified persons of all races to take the Portland Civil Service entrance examination for Fire Fighter by programming courses in math, vocabulary, reading comprehension, basic physics, and mechanical insight for the trainees during their on-duty hours. A secondary result of the program is a company of men capable of assisting in salvage and overhaul work at fires, performing new hose tests for the Training Section, and assisting in annual company hose tests and miscellaneous other tasks as directed.

The following is a tabulation of the hours Training Station No. 2 spent in overhaul and/or salvage and detail work during the 1972-73 fiscal year:

1. Overhaul and/or Salvage - 200 hours/42 minutes of company time.
2. Details - 183 hours/35 minutes of company time.

As of June 30, 1973, the following statistics applied to the Program:

1. Total applications received - 239.
2. Appointments to Trainee Program - 47.
3. Appointed to Portland Fire Bureau - 16.
4. Appointed to other Fire Departments - 4.
5. Appointed to Bureau of Parks - 1.
6. Resigned from Program - 7.
7. Terminated from Program - 4.
8. Present roster - 15.

The above statistics indicate that the program is productive and worthy of the time and money invested in it by Federal and local governments.

PLANS & RESEARCH

Planning is an integral, continuing process in all Fire Department activities.

In order for the Fire Bureau to provide an optimum level of fire protection at a minimum cost to the citizens of Portland, it is necessary to augment planning by researching standards, guides, methods, needs 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 City Planning Commission to assist them in planning for city services. One such study culminated in the annexation of a large portion of Alto Park Water District located in S.W. Portland in June of 1972. This annexation increased the size of the City by 600 acres. In this area, there are 900 single family dwellings and a population of 1,100 persons.

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 Portland Assn. of Hospitals, State Fire Defense Board, Mayor's Administrative Review Committee and other committee work as assigned by the Chief. During 1972 a Joint Fire Consolidation Review Committee was organized to study the ramifications of City-County consolidation and its effect on the fire service county wide. This Committee consisted of members of the Portland Fire Bureau staff and line members of Multnomah County fire districts, primarily District 10.

Other committee assignments of significance were the studies of the fire communications by Public Safety Systems, Inc. and the Communications Committee involvement in the Columbia Region of Associated Governments three-county study of 911 emergency phone number.

Final payment from the Federal Government on the federally funded Rescue 1 vehicle was coordinated and obtained by this office.

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

DISCASEY, JOHN R.
 Appointed 12-31-46
 Occ. Dis. 4-24-64
 Deceased 7-14-72

MARTIN, EARL C.
 Appointed 7- 1-28
 Retired 11-27-53
 Deceased 7-31-72

YANDLE, VESPER F.
 Appointed 7- 1-47
 Deceased 9-23-72
 (Auto Accident)

GARRETT, WILLIAM D.
 Appointed 8-10-24
 Retired 9-30-51
 Deceased 10-14-72

JOHNSON, MELVIN E.
 Appointed 4-30-41
 Retired 9-25-66
 Deceased 11-15-72

JOHNSON, SOREN
 Appointed 9-13-26
 Retired 8-22-57
 Deceased 11-17-72

HOLSHEIMER, GEO. M.
 Appointed 10- 8-12
 Retired 6-25-54
 Deceased 12-11-72

MILLER, GRANT H.
 Appointed 9-17-47
 Retired 1-28-63
 Deceased 1- 3-73

STEVENS, A.E. (Steve)
 Appointed 11-22-23
 Retired 11-20-55
 Deceased 1- 4-73

ROBERTSON, W.L.
 Appointed 7-31-07
 Retired 9-20-42
 Deceased 2- 3-73

PFEIFER, EDWARD W.
 Appointed 12-17-23
 Retired 9-12-51
 Deceased 2-23-73

FREEMAN, ROBERT A.
 Appointed 7-20-14
 Retired 11-13-42
 Deceased 3- 4-73

McKINNEY, WILLIAM B.
 Appointed 1-12-25
 Occ. Dis. 10-29-61
 Deceased 3-17-73

FARBER, RAYMOND E.
 Appointed 3- 7-39
 Occ. Dis. 6-16-59
 Deceased 4- 4-73

NEELY, JOHN C.
 Appointed 12-16-24
 Retired 7-10-57
 Deceased 4-11-73

BUTTS, ANDREW W.
 Appointed 6-21-38
 Retired 7- 7-69
 Deceased 4-11-73

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

1972 - 1973

Class 10 Insurance Premium Costs ¹	\$29,499,736	
Class 2 Insurance Premium Costs ¹	<u>6,082,464</u>	23,417,272
Fire Bureau Costs		
Budget 1972-73	\$11,240,299	
Disability & Pension	2,673,993	
Depreciation (5% on Capital Investments)	379,641	
Fire Hydrants (Installation & Maintenance)	<u>274,263</u>	14,568,196
Less Fire Bureau Earnings (1972-73)		
Fire Protection Contracts	413,345	
Revenue From Fees: Includes all permits, fire reports, bulk oil storage permits, etc.	<u>14,746</u>	<u>428,091</u>
		<u>14,140,105</u>
NET ECONOMIC ADVANTAGE THROUGH INVESTMENT IN FIRE PROTECTION ²		<u>\$ 9,277,167</u>

NOTES:

¹ 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 \$4,366,458,092 as reported by Multnomah County Assessor. This value does not include land, cargo in transit, ships and vehicles.

² 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 cost less net costs of Fire Bureau operation.