

**BUREAU
OF FIRE,
RESCUE &
EMERGENCY
SERVICES**

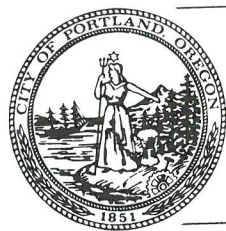
**ANNUAL
REPORT
1987-88**

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**Code of the City of Portland, Oregon
Title 3, Section 22.050**

"The Fire Chief shall diligently observe the condition of the apparatus and property and workings of the Bureau and make an annual report in writing to the Commissioner in Charge of the Bureau of Fire, Rescue and Emergency Services".

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CITY OF

PORTLAND, OREGON

BUREAU OF FIRE, RESCUE & EMERGENCY SERVICES

Dick Bogle, Commissioner of Public Safety
George E. Monogue, Chief
55 S.W. Ash Street
Portland, Oregon 97204
(503) 248-2680

April, 1989

Dick Bogle, Commissioner
Department of Public Safety
City Hall, Room 404

Dear Commissioner Bogle:

I am pleased to submit for your review the 1987-88 Annual Report of the Portland Bureau of Fire, Rescue, and Emergency Services. The Bureau has continued to meet the primary mission of limiting the catastrophic effects of fire loss and life threatening emergencies. Highlights of the services provided by the Bureau during the fiscal year include the following:

- Continued efforts to prevent the occurrence of fire by conducting 28,965 inspections which resulted in the abatement of 17,644 violations;
- Responded to 49,603 alarms including 31,695 medical emergencies and the suppression of 3,904 fires limiting their total loss to \$16,737,877;
- Retirement of Chief Kenneth L. Owens after 39 years of service to the City of Portland;
- Added a Hazardous Materials Coordinator position to assist the City in coordinating its response to Hazardous Materials Incidents;
- Received Council approval to change our name to the Bureau of Fire, Rescue, and Emergency Services which better describes our expanded mission in today's world;
- Continued working with other Bureaus in the development of the new city-wide Integrated Business Information System (IBIS);
- Maintained involvement with the County Commissioners regarding patient care and transport of medical emergency victims;

- Conducted an innovative pre-employment program for minorities and women which resulted in their best representation ever on the entry list;
- Assumed responsibility for the Portland Office of Emergency Management and the City's Disaster Plan;
- Conducted a successful smoke detector campaign which was heavily assisted by donations from private industry;
- Conducted a Fire Safety Campaign for children called "Fire Busters" in cooperation with local news media and merchants;
- Developed and conducted the "Juvenile Fire Setters" program which received the League of Oregon Cities first place award for excellence;
- Continued to work with the "N.W. Neighborhoods Against Crime" Arson Project, which received national recognition from the Federal Emergency Management Agency and the U.S. Fire Administration.

The above examples illustrate our continued efforts to improve and economize the operations of the Bureau. I am proud of our personnel and their dedicated efforts on behalf of our citizens.

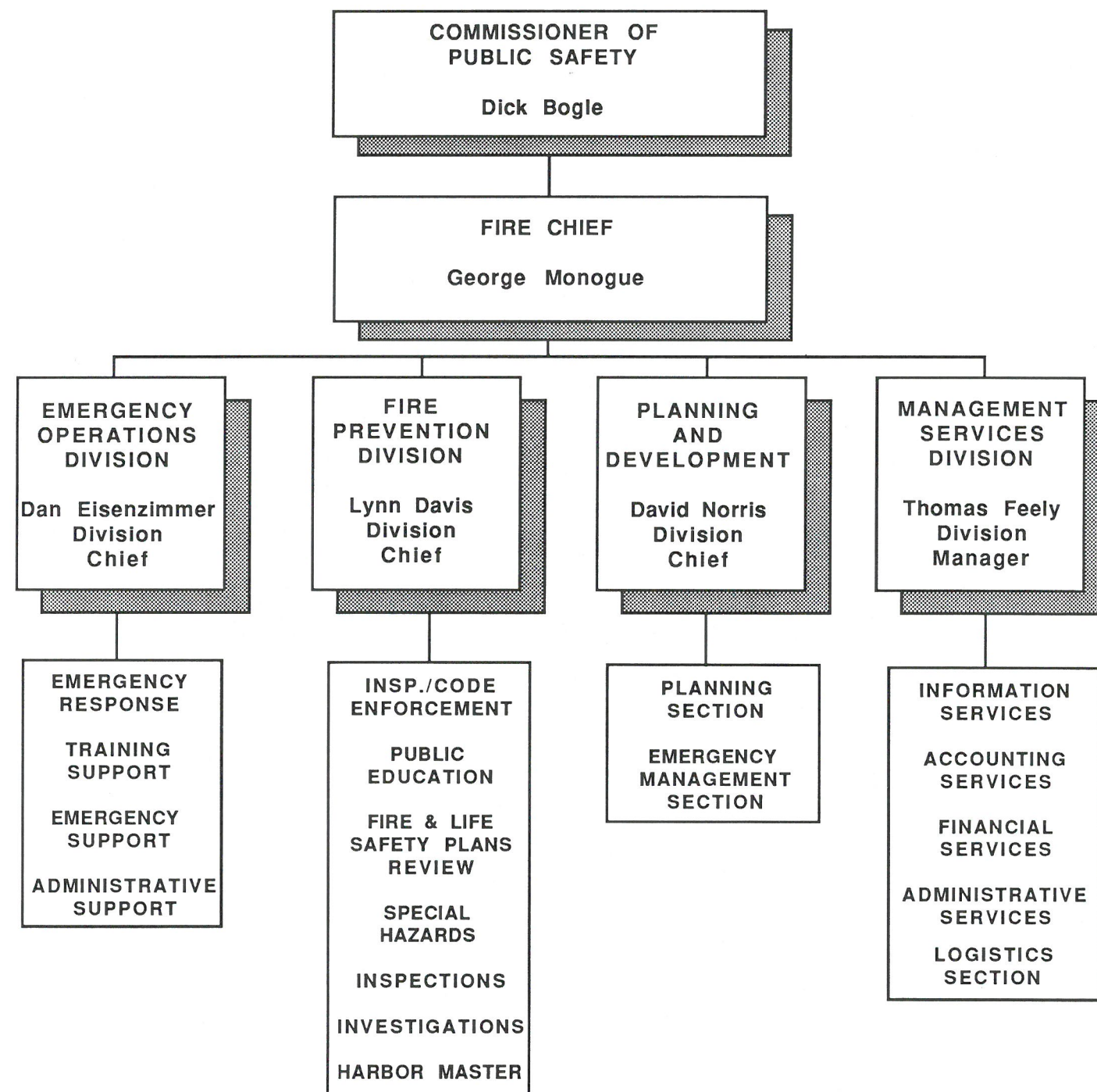
I wish to thank you for your continued support of the Bureau. We will continue to work toward our common goal of reducing life and property loss due to natural or human caused incidents.

Respectfully,

George E. Monogue, Chief
Portland Bureau of Fire, Rescue, & Emergency Services

GEM:bk

ORGANIZATIONAL CHART
Fiscal Year 1987-88



OFFICE OF THE FIRE CHIEF



George E. Monogue
Fire Chief

The Office of the Fire Chief is responsible to the Commissioner of Public Safety for assuring the implementation of Council policy and the achievement of the Bureau's mission through the direction, coordination, and evaluation of four operating divisions. It is also the responsibility of the Fire Chief's Office to: ensure compliance with state and local fire regulations; provide liaison with the Council and the Managers of other City services; continually evaluate and refine bureau operations; respond to citizen information inquiries and complaints; coordinate internal bureau operating committees; develop and maintain mutual aid agreements with bordering fire service districts as well as fire service protection contracts; develop and maintain the general orders governing Bureau operations; and provide liaison with state and federal fire service organizations.

EMERGENCY OPERATIONS



Dan Eisenzimmer
Division Chief
Emergency Operations

The primary function of the Emergency Operations Division is to save life and property from fire and other emergencies. In addition to routine fire and emergency medical calls, personnel in the Emergency Operations Division plan for, and are trained to manage, major emergencies such as:

- hazardous materials incidents
- radiological emergencies
- fires in forested areas of the city
- major medical emergencies
- fires in flammable liquid storage facilities
- high rise fires
- emergencies involving aircraft
- fires aboard ships
- natural disasters such as earthquake, volcanic activity, wind storms, flooding, etc.
- emergency incidents during civil disorder

ORGANIZATION

The Emergency Operations Division is managed by a Division Chief who reports to the Chief of the Bureau. The Division is comprised of the following four sections:

- Emergency Response
- Administrative Support
- Training Support
- Emergency Support

EMERGENCY RESPONSE

The Emergency Response Section is organized into three work shifts, each shift being on-duty for 24 hours and off-duty for 48 hours. Emergency response personnel are assigned to 33 stations housing 31 engine companies, 2 quad companies, 10 truck companies, 2 squad companies, 1 fire boat (cross-staffed by engine company crews), 7 Advanced Life Support (ALS) rescues, 5 Basic Life Support (BLS) rescues (also cross-staffed), and 1 Hazardous Materials Response Unit (cross-staffed). Of this equipment; 2 engines, 1 quad and 1 squad have ALS capabilities.

The city is divided into four districts, each supervised by a shift Battalion Chief. These chiefs report directly to the on-duty Deputy Chief, who works the same schedule as the line companies and serves as the overall shift commander. A Fire Captain is assigned as administrative commander at each station and directly supervises one of the three shifts.

ADMINISTRATIVE SUPPORT

The Administrative Support Section is under the supervision of a Deputy Chief who also serves as the Bureau's Personnel Officer. The four city-wide districts are combined into two Administrative Battalions, each under the supervision of a Battalion Chief who reports directly to the Administrative Support Deputy Chief.

This section is responsible for the efficient and effective utilization of fire company resources in the achievement of service delivery goals.

TRAINING SUPPORT

The Training Support Section is supervised by a Deputy Chief. This section is responsible for all recruit and in-service training programs.

The section conducts a successful Affirmative Action program allowing underutilized groups to compete with other firefighter candidates. This pro-

gram includes educational opportunities as well as fireground training.

In addition to their other duties, this section also provides training programs via the Bureau's closed-circuit television system.

EMERGENCY SUPPORT

The Emergency Support Section is under the supervision of a Deputy Chief, and is responsible for Fire Alarm Dispatch, Emergency Medical Services, the Hazardous Materials Response system and the Dive Rescue Team.

OVERVIEW

During fiscal year 1987-88, the Emergency Operations Division responded to 49,603 emergencies, broken down as follows:

- 1,687 structure fires, including 36 requiring greater alarms
- 1,139 fires involving mobile property
- 1,078 fires outside of structures
- 4 overpressure ruptures
- 1,386 hazardous condition standbys
- 1,412 public service calls
- 5,231 good intent calls
- 1,919 miscellaneous calls
- 3,796 false calls
- 256 outside city calls
- 31,695 emergency medical service calls

In addition to their emergency response duties, Emergency Operations personnel spend many hours in non-emergency activities. These include:

- annual inspection of all target hazards and fire hydrants
- inspection of private dwellings upon request
- public fire safety education
- blood pressure screening program for the public
- hazardous materials placarding program
- Toy and Joy Makers program



Residential fires make up the majority of firefighting activities



Rescue of worker trapped in cave-in

FIRE PREVENTION



Lynn C. Davis
Division Chief
Fire Prevention

The mission of the Fire Prevention Division is to seek willing compliance for safe fire prevention practices with the public and the business community, and failing that, to develop effective avenues of enforcement.

To accomplish this mission, the Division reviews plans for code compliance, investigates fires for cause and origin and seeks to suppress arson.

In addition, the Division maintains working relationships with other agencies and lays the foundation for sound fire prevention and education programs for both the general public and the Bureau.

The Fire Prevention Division is divided into seven functional Sections:

PUBLIC EDUCATION

This section includes Public Education, Public Information, and the Juvenile Fire Setter Intervention Program. During the past fiscal year, the Public Education Section has continued efforts with the Juvenile Fire Setter Intervention Program, the Neighborhood Smoke Detector Program, Neighborhoods against Arson, and the Fire Busters program. These programs represent alternative approaches to fire prevention that show promise of being more effective than traditional strategies.

INSPECTION/ CODE ENFORCEMENT

This section includes a downtown office and an office located in East Multnomah County. The section is responsible for systematic maintenance inspections and the abatement of fire hazards in all occupancies except private residences. The section conducts fire code inspections to ensure compliance with City Fire Regulations. In addition to routine inspections, fire inspectors also respond to citizen complaints and referrals from other agencies. Although fire code inspections are primarily to check for fire hazards, fire prevention inspectors are also trained and instructed to look for other safety and health hazards and to refer such hazards to appropriate enforcement agencies.

FIRE AND LIFE SAFETY PLANS REVIEW

This section is responsible for the review of permit applications for compliance with applicable codes. The section continues to work with the Bureau of Buildings on development of a Floating Structures Code for the City and on a cooperative approach with building owners for upgrading fire and life safety in existing high rise buildings.

SPECIAL HAZARDS INSPECTIONS

This section is responsible for permit application review and inspection of fire protection systems, hazardous processes, fireworks displays, and special events. The section continued to plan for implementation of a system that will provide hazardous materials information to Bureau emergency responders. This program will involve training, inspection, placarding, and data storage and retrieval. When completed, this program will provide protection for emergency response personnel and citizens at hazardous materials incidents.

INVESTIGATION

This section is responsible for the investigation of all fires of undetermined origin, explosions, large loss fires (greater alarms), false alarms, fire deaths or serious injuries, and suspicious or deliberately set fires. The section also investigates all vehicle accidents involving Bureau employees and conducts internal investigations. During this past fiscal year, the section continued to provide fire cause information for data analysis. In addition, the section conducted criminal follow-up investigations and case preparation where fires were found to be incendiary, and also conducted night inspections of public occupancies for overcrowding and locked or blocked exits.

HARBOR MASTER

The Harbor Master is responsible for enforcement of Fire and Harbor Regulations on Portland's waterfront and waterways. During this past fiscal year, the Harbor Master regulated hazardous cargo movements at terminals and conducted fire code and harbor code inspections of ships and harbor facilities. The Harbor Master also acted as the Bureau's liaison with the Army Corp of Engineers, the U.S. Coast Guard Captain of the Port, the Multnomah Co. River Patrol and other related agencies.

ADMINISTRATION

This section consists of the Fire Marshal and Assistant Fire Marshal.

The Fire Prevention Division provides service to the City of Portland, Multnomah Co. District #10 and Clackamas Co. District #1. In addition to the many activities listed above, the Division's personnel are also trained & equipped for emergency response and are deployed to those duties when the Bureau's resources are taxed by large scale emergencies or multiple fires.



Fire Inspections may result in building closure to ensure the safety of the public.



Inspectors assigned to Public Education take Fire Prevention to the schools.

PLANNING & DEVELOPMENT



David A. Norris
Division Chief
Planning & Development

The Planning & Development Division is charged with helping the Bureau keep pace with the future. The following were the main areas of responsibility during FY 87-88:

STRATEGIC PLANNING

Strategic Planning began in 1983 and became the responsibility of the Division during Fiscal Year 1985-86.

The Plan is a dynamic process designed to guide the Bureau into the next century of fire service.

Planning & Development updated the Bureau's Strategic Plan with both oral and written reports and continues to monitor the progress of the plan.

DISASTER PLANNING

P & D assumed the functions of the City of Portland's Office of Emergency Management as of July 1, 1987. The Fire Chief is now the Emergency Manager for the City.

P & D, completed revision of the City Basic Emergency Services Plan. The "Basic Plan" outlines the City's actions during time of emergency and includes Annexes relating specifically to all types of disaster which might conceivably occur here. Among the Annexes updated were those dealing with Emergency Public Infor-

mation, Amateur Radio Communications, Radiological Hazards, the City Emergency Telephone List, Hazard Analysis and the Emergency Operations Center at Kelly Butte.

During 1988, P & D sponsored the largest single Disaster Exercise ever held in the city of Portland. A total of 113 different organizations were involved in the wide-ranging exercise which utilized the scenario of a major earthquake in the metro area.

P & D also participated in a variety of other Disaster Exercises; including those involving the National Disaster Medical System, the Trojan Nuclear Power Plant, and others.

P & D serves as the sponsor for meetings of the Emergency Management Council (comprised of City Bureau heads active in emergency planning) and the ECHO Group (Emergency Communications for Hazardous Operations), an industry-based organization dealing with hazardous materials issues.

An emergency management newsletter has also been developed entitled From Desk to Disaster. The newsletter highlights local, national, and international issues in the field of emergency management with emphasis on City of Portland activities.

RESOURCE LIBRARY

P & D is responsible for maintaining the Bureau's Resource Library. During 87-88, a new computerized cataloging system for books and magazines was developed. The new system allows instant access to any given fire or emergency management topic contained in over 625 books and 3,000 magazine articles.

TECHNOLOGICAL ADVANCES

P & D evaluates rapidly changing fire service technology to insure that the Bureau is kept informed of important new ideas and innovations. New or alternative methods in use by other departments are examined for their efficiency and feasibility for future use.

SURVEYS

P & D maintains contact with fire departments nationwide through surveys relating to current fire service topics. Some of the surveys conducted this year included those dealing with Self-Contained Breathing Apparatus, High-Rise Building Evacuation, and Physical Fitness Programs.

SAFETY ANALYSIS

A Bureau injury study, firefighter safety study, and physical fitness study were all completed during the last year and quarterly injury study updates were also begun. An injury trends study was also completed for the years 1981-87.

PHYSICAL FACILITIES

P & D developed a Facilities Study and researched possible training sites. Station location studies examining response times were also conducted.

MANAGEMENT INFORMATION SERVICES

P & D continues to revise the Bureau's forms and numbering system to create a more efficient information flow within the Bureau.

IN ADDITION...

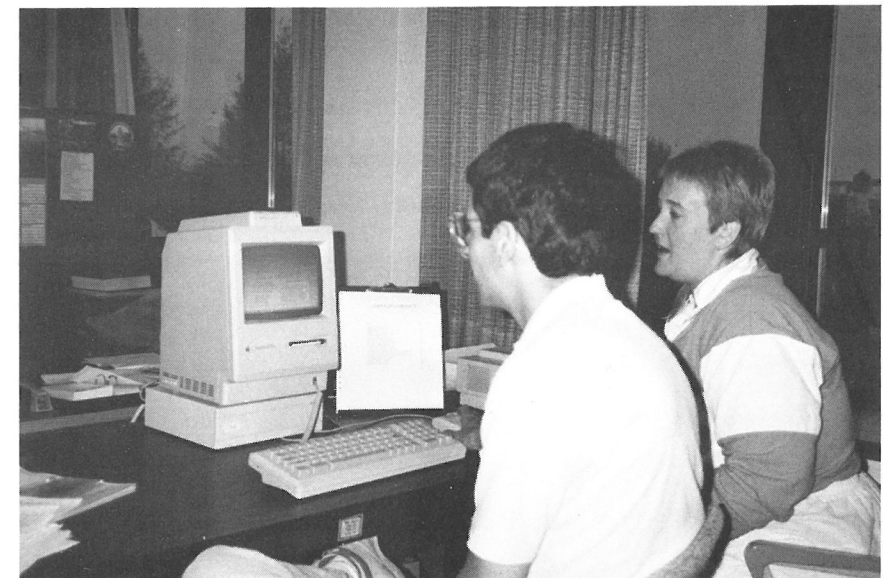
P & D designed and produced the Bureau's Annual Report and also compiled up-to-date statistical reports, such as the Protection Trends Book and Monthly Summary of Services, that are vital to the Bureau's self evaluation process.

P & D coordinated local efforts on behalf of the 1988 Western Fire Chiefs Convention held in Portland.

P & D responds daily to requests from the public concerning fire protection classes, insurance ratings, and miscellaneous Bureau information of all types.



The Mayor and City Council members participate in a major disaster exercise



Planning & Development staff preparing the Annual Report

MANAGEMENT SERVICES



Thomas Feely
Mgmt. Support Services Officer
Management Services Division

The Management Services Division is directed by the Management Support Services Officer and is divided into two sections: 1) the Management Services section and 2) the Logistics Section.

MANAGEMENT SERVICES

The Management Services section is responsible for recommending the management policies and practices essential for the efficient operation of the Bureau. This is accomplished through the provision of financial, budget, information, planning, research, and general administrative services in support of Bureau operations.

Major activities of the Management Services Division during fiscal year 1987-88 included the following:

- Coordinating the administration of and modification to the FY 87-88 budget of the Bureau.
- Coordinating the preparation of the FY 88-89 annual budget of the Bureau which was approved at over \$46 million and included 862 positions.
- Participation in development of the City's Integrated Business Information System, which when completed will handle and dis-

- pense all the City's financial data on an up-to-date daily basis.
- Participation in the City's Urban Services Task Force which is responsible for the coordination of proposed annexations.
 - Administration of the intergovernmental service agreements between the City of Portland, Multnomah Co. RFPD #10 and Clackamas Co. RFPD #1.
 - Development of the annual five year Capital Improvement Program for the Bureau directed toward the elimination of existing and projected deficiencies identified within the Station Location Study, as well as improvements of existing Bureau facilities and equipment.
 - Assistance to the Chief in administration of the Bureau.
 - Participation in the City's master lease program to permit upgrading of Bureau facilities and equipment.
 - Assisting in the acquisition of three pumps.
 - Continued implementation of a contract for an Employee Assistance Program offering no-cost short-term intervention and counseling to employees in need of such services.
 - Reallocation of resources to emphasize responsibility and accountability by management teams.
 - Participation in the development of an aggressive affirmative action plan.
 - Increased implementation of activity suggested within the Strategic Plan.
 - Cooperation and assistance to the Fire Marshal's Office in development of methodologies for compliance with SARA Title III concerning storage of hazardous materials.
 - Monitoring development of Multnomah County's Ambulance Service Area Plan and preparation of the Bureau's proposal to be a provider of ALS transport.
 - Hiring of a Fire Information Systems Manager to coordinate the

Bureau's computers into a cohesive, planned system.

The Bureau Advisory Committee (BAC) is a group of citizens appointed by the Commissioner-in-charge to advise the Bureau on major issues as well as on the Bureau's budget. The committee meets throughout the year and makes an annual report. The committee's work is coordinated by the Bureau's Management Officer and Administrative Assistant.

LOGISTICS

The Logistics Section is comprised of Logistics Headquarters, Apparatus Maintenance, Building Maintenance, Bureau Stores and Fire Alarm Maintenance. The Section is responsible for the continued reliable operation of the physical equipment of the Bureau of Fire, Rescue & Emergency Services.

Logistics Headquarters is responsible for the direction of all areas in the Logistics Section and prepares and administers the Logistics budget.

Apparatus Maintenance is responsible for the writing of specifications, the purchasing of apparatus and the routine and preventative maintenance of all fire apparatus and fire support vehicles. At present, the Bureau has 215 pieces of apparatus and support type vehicles which are administered by this section.

Building Maintenance is responsible for new construction, routine maintenance, preventative maintenance and the majority of the purchasing done for all Bureau facilities. Currently, the section is administering 39 properties.

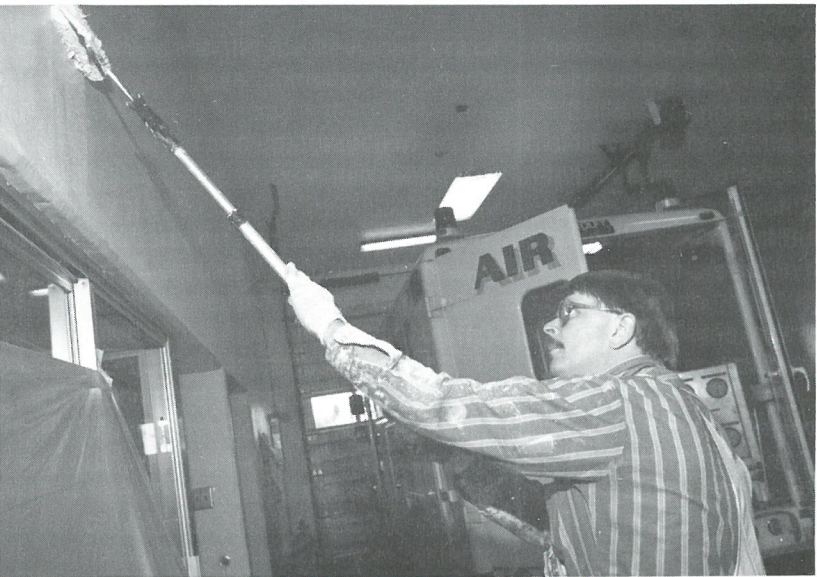
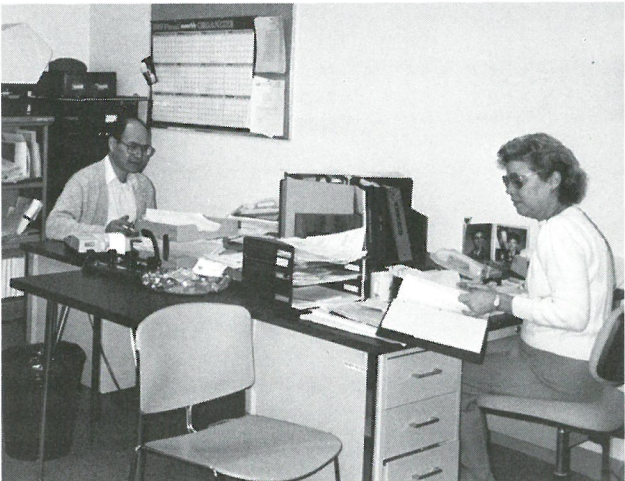
Bureau Stores is responsible for the purchasing and dispensing of all Bureau uniforms.

Fire Alarm Maintenance is charged with the routine and preventative maintenance of the cable system for the Bureau.



Logistical support provides safe, efficient operation of Bureau apparatus

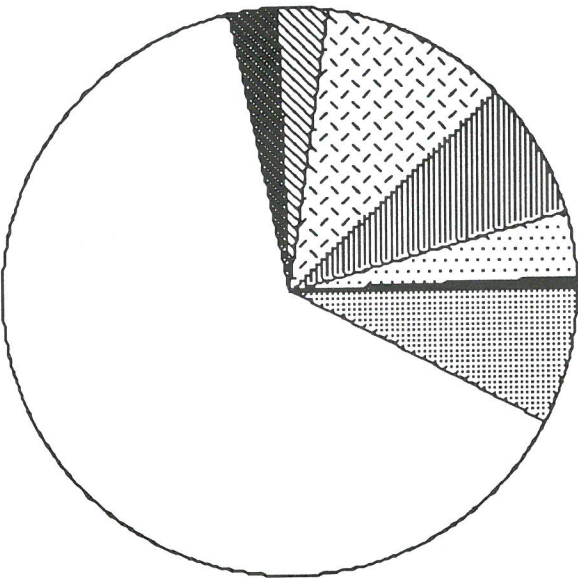
Management Services ensures smooth operation of the Bureau's fiscal administration



The Logistics Section provides maintenance for all Bureau buildings

SUMMARY OF EMERGENCY RESPONSES

Fiscal Year 1987-88

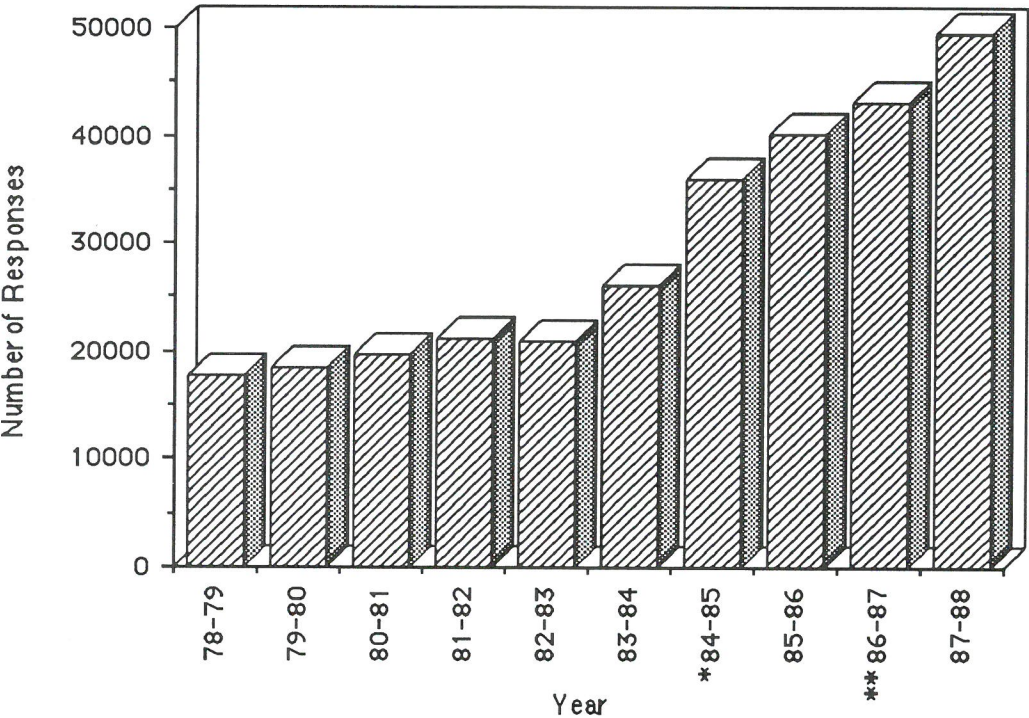


- FIRES 7.8%
- EMS 63.9%
- HAZARDOUS CONDITION STANDBY 2.8%
- PUBLIC SERVICE 2.9%
- GOOD INTENT CALLS 10.5%
- FALSE CALLS 7.7%
- OTHER SITUATION FOUND 3.9%
- OUTSIDE CITY CALLS 0.5%

TYPE OF RESPONSE	Portland	Total
FIRES IN BUILDINGS	1,485	1,687
MOBILE PROPERTY FIRES	1,008	1,139
INCIDENTS OTHER THAN BUILDINGS & MOBILE	42,563	46,777
Grass, Trash, Brush, Dumpboxes, Bonfires, etc.	908	1,078
Overpressure Ruptures	4	4
Emergency Medical Service	28,921	31,695
Hazardous Condition Standbys	1,264	1,386
Public Service Calls	1,273	1,412
Good Intent Calls	4,778	5,231
False Calls	3,458	3,796
Other Situation Found	1,765	1,919
Outside City Calls	192	256
TOTAL CALLS	45,056	49,603
GREATER ALARMS		
2nd	27	29
3rd	6	8
4th	4	5
5th	0	1
TOTAL GREATER ALARMS	37	43

EMERGENCY RESPONSES

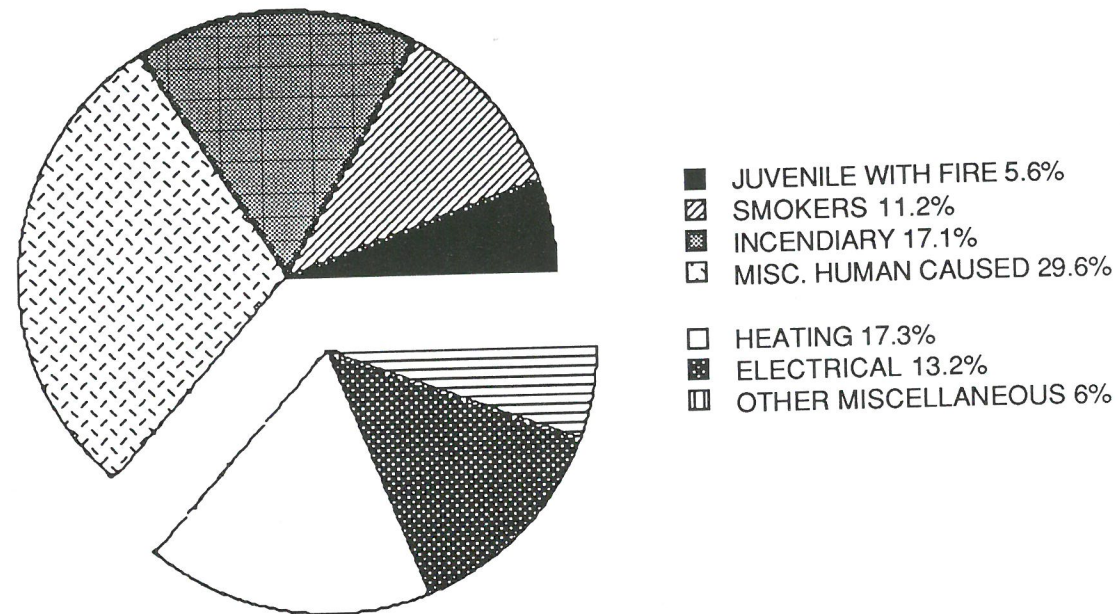
Fiscal Years 1978-88



* In 1984 Portland merged with Multnomah Co. RFPD #10
** In 1986 Portland merged with Clackamas Co. RFPD #1

1978-79.....17,854	1983-84.....26,005
1979-80.....18,585	* 1984-85.....35,918
1980-81.....19,732	1985-86.....40,178
1981-82.....21,234	** 1986-87.....46,117
1982-83.....20,818	1987-88.....49,603

BUILDING FIRE INCIDENTS BY CAUSE Fiscal Year 1987-88



HUMAN ELEMENTS

Children with Fire or Matches
Careless with Cigarette & other smoking materials
Incendiary
Miscellaneous

Total

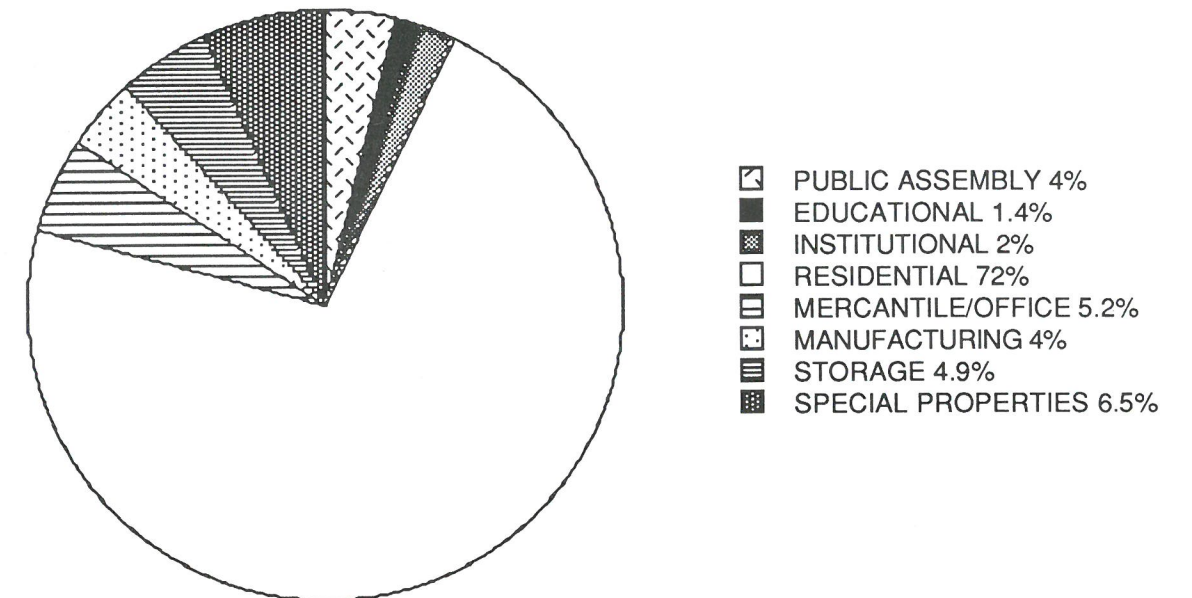
OTHER

Heating Equipment
Electrical-Other than heating
Miscellaneous Fires

Total

	Portland	Total
Children with Fire or Matches	81	94
Careless with Cigarette & other smoking materials	177	189
Incendiary	268	288
Miscellaneous	449	499
Total	975	1070
OTHER		
Heating Equipment	231	292
Electrical-Other than heating	194	223
Miscellaneous Fires	85	102
Total	510	617

BUILDING FIRE INCIDENT BY OCCUPANCY Fiscal Year 1987-88



TYPE OF OCCUPANCY

Public Assembly properties
Educational properties
Institutional properties
Residential properties
Mercantile & Office properties
Manufacturing properties
Storage properties
Special properties

Total

	Portland	Total
Public Assembly properties	60	68
Educational properties	18	24
Institutional properties	31	34
Residential properties	1071	1214
Mercantile & Office properties	77	87
Manufacturing properties	59	67
Storage properties	67	83
Special properties	102	110
Total	1485	1687

EMERGENCY MEDICAL RESPONSE OF RESCUE COMPANIES Fiscal Year 1987-88

The following is a recapitulation of various categories of medical emergencies responded to and medical procedures performed by rescue companies.

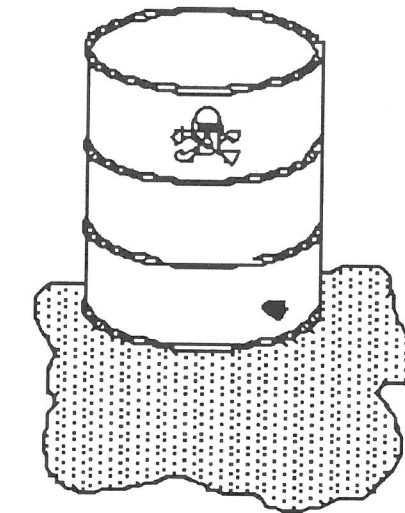
<u>CATAGORIES</u>	<u>ALS</u>	<u>BLS</u>	<u>TOTAL</u>
ADMINISTERED OXYGEN	3011	941	3952
ALCOHOL RELATED	753	740	1493
ANAPHYLACTIC SHOCK	50	21	71
ASSAULT	396	507	903
BURNS	44	24	68
DIABETIC	197	171	368
D.O.A.	304	215	519
DYSPNEA	834	504	1338
HEART ATTACK	1097	467	1564
HYP0/HYPER THERMIA	36	24	60
ILLNESS	731	520	1251
MENTAL OR PSYCH. EMER.	190	150	340
OB GYN.	128	137	263
OVERDOSE	360	317	677
POISON	74	28	102
SEIZURE	583	448	1031
SHOOTING & STABBING	119	98	217
STROKE	228	158	386
SUICIDE/ATTEMPT	111	70	181
TRAUMA	2215	1172	3387
MISCELLANEOUS	930	799	1729
TIME ASST.-AMBULANCE	41:04	37:27	78:31

ALS PROCEDURE

PREHOSP. CARE REPORT	7685	431	8116
MONITOR	2356	2	2358
DEFIB.	187	2	189
CPR & VENT.	400	27	427
I.V. ADMIN.	1642	2	1644
INTUBATIONS	372	1	373
DRUG ADMINISTRATION	1123	0	1123

The Bureau is the largest provider of prehospital care (Basic Life Support and Advanced Life Support first response) in the State of Oregon responding to over 28,000 medical responses and assisting over 40,000 people a year. The mission of the EMS Office is to support and coordinate that effort with the medical community and to facilitate changes that occur constantly in this rapidly changing role of the fire service. In addition, a major goal of the EMS office has been to provide continued training, equipment upgrades, and vaccination programs for protection of Bureau employees who may be exposed to communicable diseases. As Bureau involvement in EMS continues to grow and become more well-defined, we will continue to support, train, and protect the citizens' interests regarding medical responses.

HAZARDOUS MATERIALS RESPONSE OF FIRE COMPANIES Fiscal Year 1987-88



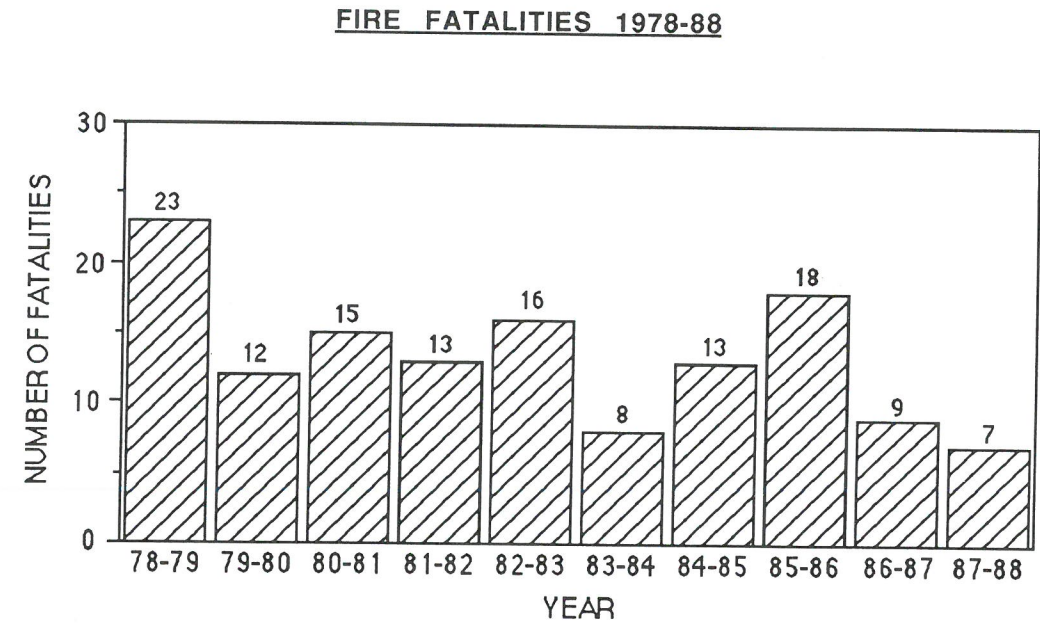
<u>TYPE OF INCIDENT</u>	<u>#</u>
Biological	3
Radiological	3
Cryogenic	1
Explosive	17
Compressed Gas	43
Natural Gas	57
Petroleum	201
Chemical	121
Other	83
Total	529

HAZARDOUS MATERIALS RESPONSE TEAM

The role of the Bureau's Hazardous Material Response Team (HMRT) is to respond to and mitigate hazardous materials incidents and related emergencies. This past year, the HMRT responded to 202 separate incidents. This total represents a 76% increase over the previous year. The HMRT has developed a close working relationship with the Portland Police Bureau's Drug and Vice Division and they have collectively designed response procedures for clandestine drug labs which have become a nationwide "standard". Personnel from both Bureaus have presented these procedures at many schools and seminars throughout the nation. This past year, the position of Hazardous Materials Coordinator was approved by the City Council and added to the Bureau's Hazardous materials program. This position has expanded the scope of the program by providing an additional resource to deal with the City's SARA Title III program and other facets of the growing hazardous materials problem. Also, as a result of the Coordinator's work, the City will be receiving a \$510,000 federal grant to assist in the handling of clandestine drug labs.

SUMMARY OF VALUES AND LOSSES Fiscal Year 1987-88

<u>STRUCTURE FIRES</u>	<u>Portland</u>	<u>Total</u>
Total Value of Buildings	1,595,254,620	1,643,795,720
Total Value of Contents & Equipment	811,154,575	835,709,875
Total	2,406,409,195	2,479,505,595
Total Loss of Buildings	9,495,605	10,587,235
Total Loss of Contents & Equipment	4,177,013	4,849,573
Total	13,672,618	15,436,808
<u>MOBILE PROPERTIES</u>		
Total Value of Mobile Properties	290,347,183	290,961,058
Total Loss to Mobile Properties	967,138	1,197,128
<u>PROPERTIES OTHER THAN STRUCTURE AND MOBILE</u>		
Total Value of Properties	1,507,962,508	1,511,573,546
Total Loss to Properties	88,388	103,951
<u>TOTAL VALUE OF ALL PROPERTIES EXPOSED</u>	<u>4,204,718,886</u>	<u>4,282,040,199</u>
<u>TOTAL LOSS TO ALL PROPERTIES</u>	<u>14,728,139</u>	<u>16,737,887</u>



SUMMARY OF INSPECTION ACTIVITIES Fiscal Year 1987-88

<u>INSPECTIONS</u>	
Regular	5,883
Reinspections	8,100
Specials:	
Complaints and Referrals	14,685
Nights	297
Total Inspections	28,965
Violations or hazards noted	16,703
Abatements or corrections	17,644
<u>FIRE AND LIFE SAFETY PLANS REVIEW</u>	<u>6,280</u>
<u>PERMITS</u>	
Fixed fire protection systems	55
Early warning systems	75
Automatic sprinkler systems	171
Oil and propane heating systems	73
Gasoline tank and pump equipment	254
Fire Marshal permits	316
All other - fireworks, vending permits, etc.	229
Certificates of Fitness	203
Total Permits Issued	1,376
<u>REVENUE</u>	
Fire Marshal Permits	22,825
All Other Permits	20,375
Certificate of Fitness	2,145
Reinspection Fees	500
Report Changes	5,273
Total Revenue	\$51,118

REPORT FROM FIRE INVESTIGATION

Fiscal Year 1987-88

FIRES INVESTIGATED

Arson, Probable Arson, Threatened Arson & Attempted Arson	372
Juveniles with Fire Incidents	86
Fires Investigated with Cause Unknown	19
Fires Investigated and Found not Incendiary	299
Special Investigations, Other than Fire	203
Continued and Follow-up Investigations	1126
Total	2105

INTERVIEWS AND INTERROGATIONS BY INVESTIGATORS AND DETECTIVES	6287
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INCENDIARY, SUSPICIOUS AND JUVENILE LOSS BY CAUSE

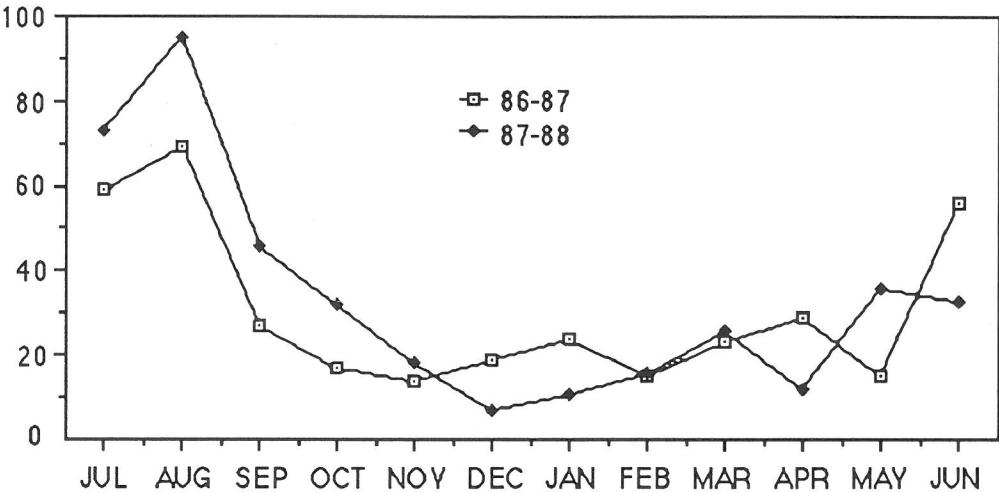
Arson, Probable Arson and Undetermined-Suspicious	\$3,655,420
Juvenile Caused Fires (all types)	\$372,948
Total	\$4,028,368

PERSONS APPREHENDED FOR FIRE SETTING, ATTEMPTED FIRE SETTING, CRIMINAL MISCHIEF, ETC.

Juvenile with Fire	293
Juvenile Arson	17
Adults Arrested (over 18 years)	42

JUVENILE FIRESETTER CASES

Fiscal Year 1987-88



JUVENILE FIRESETTER PROGRAM

A key to getting help for juvenile firesetters is early identification and intervention. One of the goals of the program has been to increase public awareness about the program and to motivate people to call for help as soon as they realize their child has a fireplay problem and before a fire occurs. Strangely then, one of the goals has been to show an increase in the number of juvenile firesetters who are brought to the attention of the Bureau.

Before the program was implemented in fiscal year 1984-85, the ten year average between 1975 and 1984 for juvenile firesetters was 108. During fiscal year 1987-88, 405 cases of juvenile firesetters were reported to the Bureau. This represents a 111% increase from 1984-85. About 35% of these referrals were by the parents. The program has been successful in increasing awareness in the community about the problem, increasing the number of reported cases of juvenile firesetters and motivating parents to call for help early.

In fiscal year 1987-88, public awareness about juvenile firesetters grew mainly through advertisement in the media. The Television Services Section of the Bureau developed a Public Service Announcement concerning the problem and all local television stations donated a considerable amount of free air time.

The Bureau also played a key role in the development of a major tool for the networking of professionals: The Oregon Juvenile Firesetter Resource Directory. This constituted a major undertaking and has included resources from across the state of Oregon.

OUTSIDE CITY FIRE PROTECTION
Fiscal Year 1987-88

Fire protection services were provided via contract for the following Rural Fire Protection Districts, Water Districts, and non-governmental entities.

<u>Contractee</u>	<u>Revenue</u>
Multnomah Co. R.F.P.D. #1	82,946
Clackamas Co. R.F.P.D. #1	1,889,949
Burlington Water District	16,995
D.F. Weich (Residence)	144
Alder Creek Lumber Company	1,521
Beall Trans-Liner	4,926
Lucky Landing	17,818
H.B. Fuller Co., Inc.	2,606
Gresham	106,130
Multnomah Co. R.F.P.D. #10	5,789,802
*Multnomah Co. R.F.P.D. #14 (Corbett)	5,786
*Multnomah Co. R.F.P.D. #30 (Sauvies Island)	600
Total Revenue	\$7,919,224

MUTUAL AID

The City of Portland is a signator to Mutual Aid Agreements with the following cities and/or Fire Protection Districts:

Multnomah Co. R.F.P.D. #14 (Corbett)
Washington Co. R.F.P.D #1
Tualatin R.F.P.D.
State of Oregon - State Forester
Vancouver, Washington
City of Lake Oswego
U.S. Bureau of Land Management
City of Milwaukie
City of Gresham
Port of Portland - Portland Airport
City of Beaverton
Clackamas County R.F.P.D. #72 (Sandy)
Clackamas County R.F.P.D. #59 (Boring)
Clackamas County R.F.P.D. #65 (Happy Valley)
Clark County R.F.P.D. #5
Clackamas County R.F.P.D. #51 (Oak Lodge)
Clackamas County R.F.P.D. #71
Multnomah County R.F.P.D. #20 (Skyline)
Clackamas County R.F.P.D. #1
Multnomah County R.F.P.D. #10

*Dispatch Contracts



BUREAU OF FIRE, RESCUE AND EMERGENCY SERVICES
Fiscal Year 1987-88

Employees	861
Annual Budget	\$43.8 Million
Square Miles Protected	192.5
Residents Protected	528,139
Property Protected	\$16.6 Billion
Residents per Sq. Mile	2,774
Sq. Miles per Station	5.83
Fire Stations	33
Engines	31
Trucks	10
ALS Rescues	7
BLS Rescues	5
Quads	2
Squads	2
Boat	1
Hazardous Materials Unit	1