

**PORTLAND BUREAU OF
FIRE, RESCUE AND
EMERGENCY SERVICES**



**ANNUAL REPORT
1990-91**

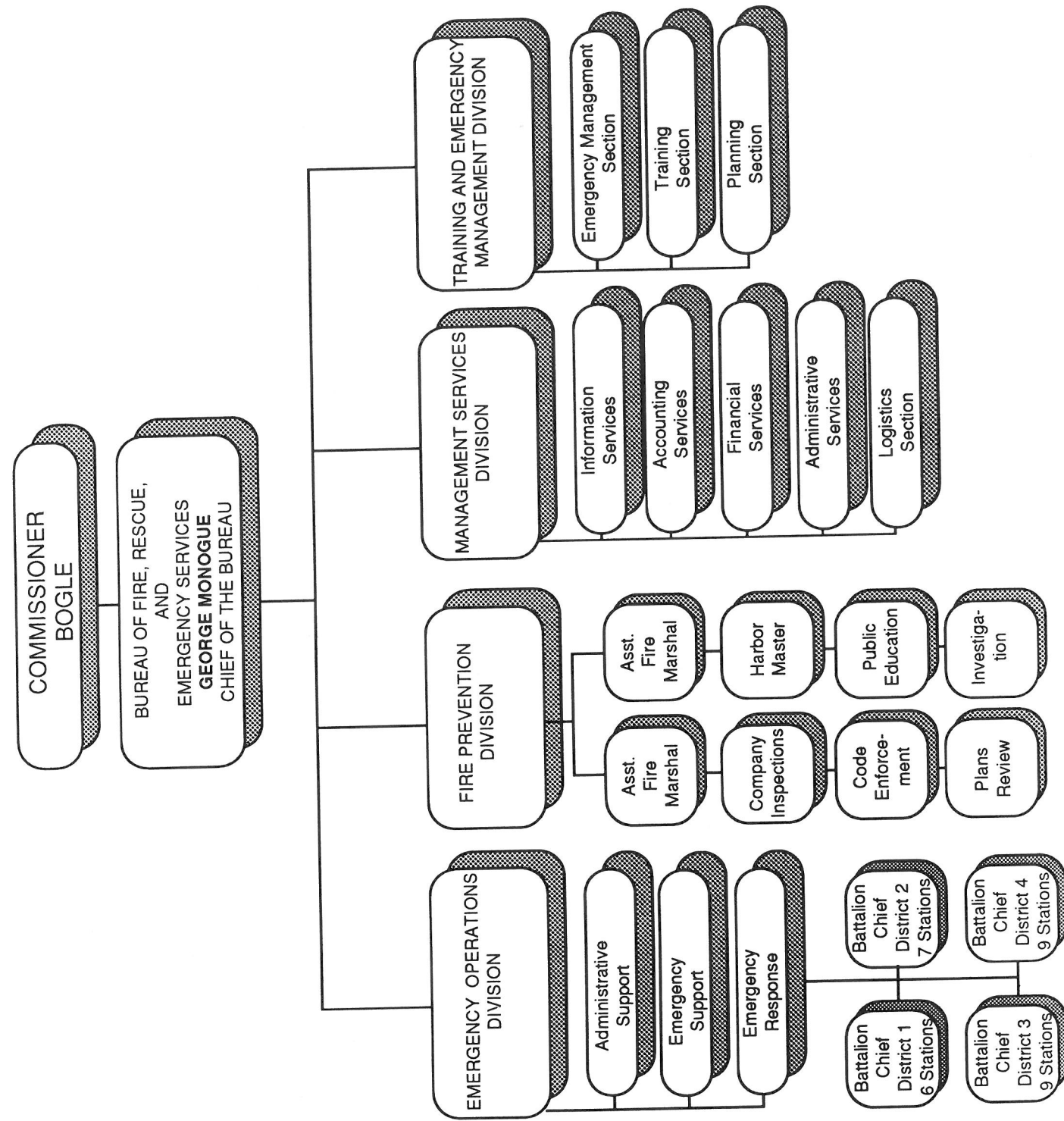


TABLE OF CONTENTS

<u>Title</u>	<u>Page</u>
Letter to the Commissioner	2
Bureau Budget	4
Office of the Fire Chief	5
Emergency Operations Division	6
Fire Prevention Division	8
Training and Emergency Management Division	10
Management Support Services Division	12
Summary of Emergency Responses	14
Emergency Responses 1980-90	15
Building Fire Incidents by Cause	16
Building Fire Incidents by Occupancy	17
Emergency Response of Rescue Companies	18
Hazardous Materials Response of Fire Companies	19
Summary of Values and Losses / Fire Fatalities 1980-90	20
Summary of Inspection Activities	21
Report from Fire Investigation	22
Juvenile Firesetter Program	23
Outside City Fire Protection	24



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 97204-3590
(503) 823-3730
FAX (503) 823-3710

To the Commissioner of Public Safety and the Citizens of the City of Portland.

Submitted with this letter is the Fiscal Year 90-91 Annual Report for the Bureau of Fire, Rescue and Emergency Services.

As the Bureau entered the 1990's, it faced new challenges to which it is successfully adapting. Increasing demands for its services and the increasing incidence of hazardous materials in our community are but two areas that have required specific attention.

This changing environment has provided the impetus for the Bureau to constantly reassess its method of delivering services. The Bureau's self-initiated strategic planning process has allowed it to adapt to these changes in demand for services at a time when overall staffing has declined due to budget considerations.

Of major consideration to the City and this Bureau was the passage of Ballot Measure 5 in November, 1990. This property tax limitation, severely impacts the City with increasing large revenue reductions. Already, the Bureau has ceased hiring and cut back on spending for materials and services. In years to come, the Bureau and the City's leaders will explore those expenditure reductions which have the least impact on service to the public, and will also seek alternative revenue sources.

In addition to responding to incidents in FY 90-91, there are several specific areas of activity that deserve mention in this letter.

- * Continued construction of a new Training Center at the site of the former Parkrose Water District Headquarters. This project will fill a significant void in the Bureau's Training Program, and will allow for the Bureau to meet its training needs well into the next century.
- * Continuation of extraordinarily successful prevention programs such as the Juvenile Firesetter Program which counsels juveniles who either have shown a proclivity toward setting fires or who have demonstrated the warning signs of doing so in the future. This program has been recognized by the League of Oregon Cities as an innovative new program. Additionally the smoke detector program has continued and expanded. This program offers free smoke detectors and installations to residents of homes without detectors. This internationally awarded program has expanded from its original targeted area to include all of our service area. This program has also been expanded to ensure that once installed, the detector's batteries are changed at least on an annual basis.

- * Continuation of two major cooperative agreements with the Police Bureau on issues relating to clandestine drug labs and other special emergency incidents. The Bureau began the training of its paramedic personnel in Special Emergency Response Team (SERT) operations. This training allows for Fire Bureau EMT IV's to be an integral part of emergency operations ensuring that Police personnel engaged in a hostile situation have immediately available advanced medical care when needed. To further enhance the cooperative nature between the two public safety bureaus, both are administering a \$510,000 federal grant aimed at reducing the clandestine drug lab problem facing the City of Portland. Another \$372,500 grant, also jointly administered, provides for the testing of various methods of contamination reduction in sites formerly used as drug labs. Hopefully, these methods will render these sites safe for human habitation.
- * Continuation of an aggressive affirmative action program where participants are assisted with on the job type simulations and other preparatory tasks that enable the participants to successfully complete the testing process.

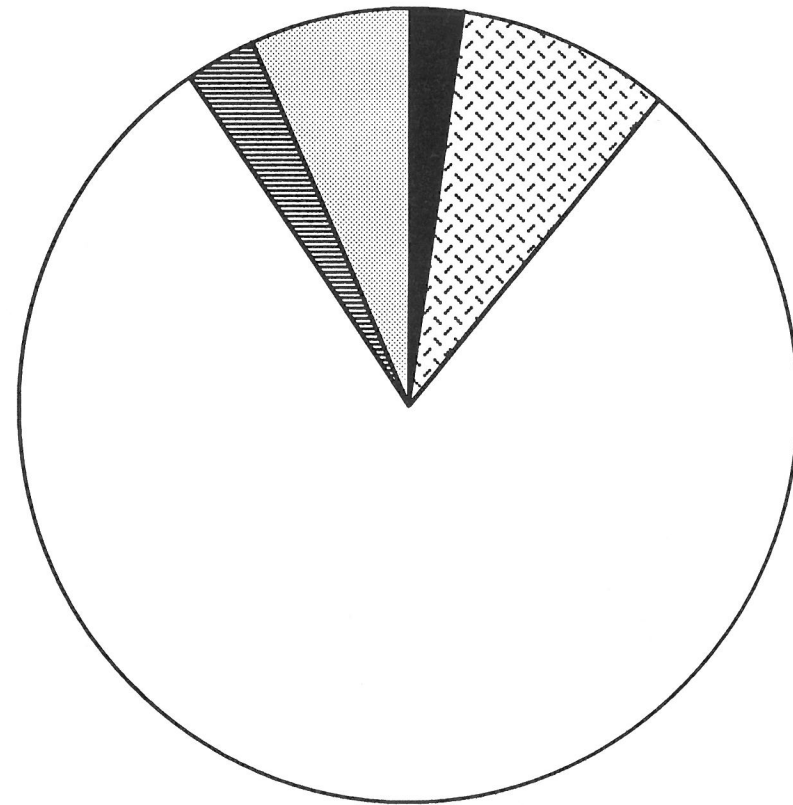
Other important accomplishments are detailed in the body of this annual report.


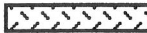



Through the dedication and determination of the men and women of the Bureau of Fire, Rescue and Emergency Services, the Bureau has been able to provide a high quality, life saving service to the citizens it serves. It is my goal as Chief of the Bureau that this same tradition for quality and excellence continue through the 1990's and into the next century.

Sincerely,

George E. Monogue
Chief

FIRE BUREAU BUDGET 1990-91



	MANAGEMENT SERVICES	2.2%
	LOGISTICS	8.9%
	EMERGENCY OPERATIONS *	79.5%
	TRAINING AND EMERGENCY MANAGEMENT **	2.8%
	PREVENTION	6.6%

TOTAL PERSONNEL SERVICES	\$46,115,834.37	88.0%
TOTAL MATERIAL & SERVICES	5,987,956.84	11.4%
TOTAL CAPITAL OUTLAY	322,930.94	.6%
<hr/>		
TOTAL BUDGET	\$52,426,722.15	100.0%

* Includes FAD, EMS, Haz Mat, Dive Rescue etc....

** Includes Training, Emergency Management & Planning

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



Bert Hamm
Division Chief
Emergency Operations

The primary function of the Emergency Operations Division is to minimize suffering and loss of life and property from fires and other emergencies through its various response programs. In addition to routine fire and emergency medical calls, personnel in the Division plan for, and are trained to manage major emergencies such as:

- * Hazardous materials incidents
- * Radiological emergencies
- * Water related incidents requiring dive rescue services
- * Emergencies demanding the expertise of the High Angle Rope Rescue Team
- * Fires in forested areas of the city
- * Major medical emergencies
- * Fires in flammable liquid storage areas
- * 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 three sections:

- * Emergency Response
- * Administrative 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. Every 19th shift, line personnel receive a "Kelly Day", a 24 hour shift off-duty. This reduces the work week from 56 hours to 53 hours. Personnel are assigned to 31 stations housing 30 engine companies, 1 quad company, 9 truck companies, 1 squad company, 1 fire boat (cross-staffed by engine company crews), 6 Advanced Life Support (ALS) rescues, 4 Basic Life Support (BLS) rescues (also cross-staffed), and 1 Hazardous Materials Response Unit. Of this equipment; 2 engines, the quad and the squad also 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



Two story house fire igniting in the basement and spreading to the second floor

commander. A Fire Captain is assigned as administrative commander at each station and directly supervises one of the three shifts. The other two shifts at each station are supervised by Fire Lieutenants who report to the Station Captain. The daily on duty strength is 175. An additional aspect of the Emergency Response contingent are two specialized response units, the Dive Rescue Team, organized to provide assistance in situations where land-based companies are unable to safely and effectively mitigate the situation, and the High Angle Rope Rescue utilized in situations where traditional methods of rescue or recovery are unsafe or impossible and alternative means must be employed. These units consist of personnel highly trained in their respective fields of endeavor and assigned to a line firefighting company.

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.

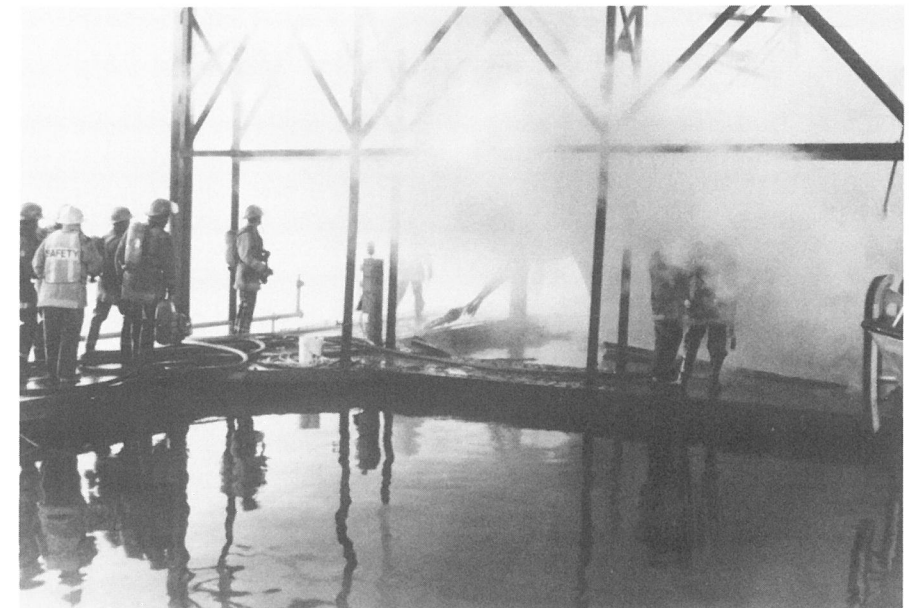
EMERGENCY SUPPORT

The Emergency Support Section is managed by a Deputy Fire Chief and is comprised of three separate, but related, programs: Fire Alarm Dispatch overseen by a Staff Captain responsible for dispatching several jurisdictions; Emergency Medical Services, managed by the EMS Coordinator and charged with training, certifying and equipping both Basic and Advanced Life Support responders, as well as coordinating Paramedic training and response in support of Portland Police Bureau Special Emergency Reaction Team (SERT) operations; and the Hazardous Materials Program, administered by the Haz Mat Coordinator and responsible for training, certifying and equipping both First Responders and the Level A Hazardous Materials Response Team. This Program is also charged with coordinating bureau compliance with federal, state and local mandates.

OVERVIEW

During fiscal year 1990-91, the Emergency Operations Division responded to 55,514 emergencies, broken down as follows:

- 1,438 structure fires, including 44 requiring greater alarms
- 987 fires involving mobile property
- 733 fires outside of structures
- 27,675 emergency medical service calls
- 24,681 other public service calls

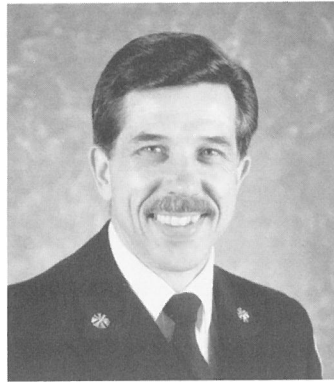


Boathouse and yacht fire located on the Willamette River



Totally involved structure fire

FIRE PREVENTION



Lynn C. Davis
Division Chief
Fire Prevention

The mission of the Fire Prevention Division is to maintain a fire safe environment for the City and its citizens. This mission is accomplished through promoting public awareness of fire safety issues, public fire safety education, a community based smoke detector program, the utilization of built in protection systems such as sprinklers and detectors, and a commitment to the adoption and enforcement of strong codes and standards.

PUBLIC EDUCATION

This section emphasizes fire safety education as a key strategy for reducing fire losses. Program areas include: coordination of a comprehensive fire safety curriculum in the schools; an award winning juvenile firesetter intervention program; fire safety education programs for businesses, institutions, and the elderly; a "Fire Busters" media program produced by KATU-TV, which reaches over 130,000 children in the metropolitan area; a smoke detector program aimed at senior citizens and/or low-income, owner-occupied property to ensure that they are equipped with a working smoke detector. Also, a Multi-Family Housing program has been initiated to check and change batteries in smoke detectors for all apartments in our protection area.

INSPECTION/ CODE ENFORCEMENT

This section is responsible for systematic maintenance inspections and the abatement of fire hazards in all occupancies except private residences. Inspectors conduct fire code inspections to ensure compliance with City Fire Regulations. In addition to routine inspections, 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 hazards and to make referrals 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 and for coordinating appeal actions. The section continues to work with the Bureau of Buildings and building owners



Fire Investigators checking possible source of ignition.

on cooperative approaches for upgrading fire and life safety in existing high rise buildings. A broad based citizen task force has been examining the Fire Marshal's proposal for a retroactive sprinkler ordinance for existing high rises.

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 has developed and implemented a hard copy system that provides hazardous materials information to Bureau emergency responders. The section has also begun development of computer programs and databases to allow limited computer aided dispatch functions (CAD). Groundwork is also being laid to eventually go to a fully capable CAD system interconnection. This program will involve training, inspection, placarding, and data storage and retrieval. When completed, this program will provide state of the art

retrieval for emergency response personnel and citizens at hazardous materials incidents.

FIRE AND ARSON INVESTIGATION

The investigation section is responsible for the investigation of all fire of undetermined origin, explosions, large loss fires (greater alarms), false alarms, fire deaths or serious injuries, and suspicious or deliberately set fires. This section also investigates all vehicle accidents involving Bureau employees and conducts internal investigations when required. Fire cause information developed by the Investigation section is being used in data analysis to identify unsafe products or trends. In addition, the Investigation section conducts follow-up criminal investigations and case preparation where fires are found to be incendiary in origin. The Investigation section also conducts night inspections of public assembly occupancies to check for overcrowding and locked or blocked exits.

HARBORMASTER

The Harbor Master is responsible for enforcement of Fire and Harbor Regulations on Portland's waterfront and waterways. The Harbor Master regulates the movement of hazardous cargos at terminals and conducts fire code and harbor code inspections of ships and harbor facilities. The Harbor Master acts as the Fire Bureau's liaison with the Army Corp of Engineers, the U.S. Coast Guard Port Captain, the Multnomah County River Patrol and other related agencies.

ADMINISTRATION

This section consists of the Division Chief, Fire Marshal and two Assistant Fire Marshals.

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.



Inspector checking a smoke detector - the programs goal is to ensure that there is an operational smoke detector in all residential occupancies in the city.

TRAINING AND EMERGENCY MANAGEMENT



David A. Norris
Division Chief
Training & Emergency Management

The Training and Emergency Management Division (TEM) goals are to ensure preparedness through training and city-wide disaster planning and emergency management programs, as well as compiling and providing statistical data and research projects vital to the bureau.

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 the fire service.

DISASTER PLANNING

TEM assumed the functions of the Portland's Office of Emergency Management as of July 1, 1987. The Fire Chief is now the Emergency Manager for the City and responsible for the Portland Office of Emergency Management (POEM).

The Division developed a new Incident Command system for the City. Further, all major City offices and Bureaus are members of a new Emergency Management Council which gives guidance to the Portland Office of Emergency Management.

During October 1990 POEM conducted Mega Quake-90 which was the largest Natural Disaster Exercise ever conducted in Portland. During fiscal year 1990-91 we continued to update existing annexes and write new annexes for the City's Basic Emergency Services Plan. The Division also participated in several small scale training exercises.

TEM serves as the sponsor for meetings of the Technical Advisory Council which is comprised of leaders of volunteer organizations and non city governments that have a role during a disaster and the ECHO Group (Emergency Communications for Hazardous Operations), an industry-based organization dealing with hazardous materials issues. POEM played an active civil defense role during operation Desert Storm.

PLANNING SECTION

The Planning Section has the task of planning and developing fire protection for the citizens of Portland both currently and in the future. The section has the mission of dealing

with the future, both short and long range, by developing new ideas and alternative methods of fire protection to ensure that the Bureau provides the best possible service at a reasonable cost. To accomplish this, the section develops and maintains close working relationships with organizations such as railroads, utilities, the Port of Portland, other federal and state agencies, other City Bureaus, industry and public interest groups.

RESOURCE LIBRARY

Planning is responsible for maintaining the Bureau's Resource Library. During fiscal year 90-91, the computerized cataloging system for books and magazines was expanded.

The new system allows instant access to any given fire or emergency management topic contained in over almost 900 books and magazine articles from 1986 until the present.



Mega Quake 90 Earthquake Drill, Mayor and City Council being briefed

SURVEYS

Planning maintains contact with fire departments nationwide through surveys relating to current fire service topics and is responsible for the completion of surveys requested by other fire departments and fire service agencies. This past year Planning completed a comparison survey for cities comparable to Portland, and a EMS survey.

MANAGEMENT INFORMATION SERVICES

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

SAFETY ANALYSIS

During the last year, the quarterly/annual injury report was revised and standardized with the NFPA guidelines.

IN ADDITION...

Planning produced this Annual Report and also compiled up-to-date statistical reports, such as the Protection Trends Book and Monthly Summary of Services. Also, Planning represents the Bureau in meetings ranging from Urban Services Annexation Projects to the Multnomah District Fire Defense Board and responds daily to requests from the public concerning fire protection classes, insurance ratings, and misc. Bureau information.

TRAINING

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

Staff Officers provide support in a wide variety of areas. They coordinate all types of training for the Bureau, as well as serving on numerous committees. District Training Lieu-



TV Video Crew films a Haz Mat Training Exercise

tenants provided company training in the following areas: Medical Sector Drill, Mass Casualty Incident, Hurst Tool, radios, Major Emergencies in High Rise, sprinkler systems, Trauma module, Trench Rescue, Hose Evolutions, Ladders, Apparatus operation and familiarization, Hydraulics, Company Inspection Program, Fire Simulator, and Hazardous Materials recertification. They were active in the Bureau wide CPR recertification as well.

AFFIRMATIVE ACTION

The Training Section conducts a very aggressive Affirmative Action Recruiting program which has been recognized nationwide. The program works with underutilized groups to prepare them for the very competitive firefighters exam. This training includes education opportunities as well as fireground training.

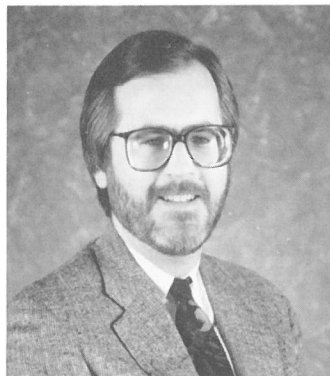
IN-SERVICE TRAINING

In-service training was also provided by the Bureau's closed circuit television system. The television production staff writes and produces many of their own programs. Information programs were provided by "live" broadcasts such as "Chief's Corner", "Haz. Mat. Hotline", and "Firefighters Digest".

TELEVISION/VIDEO PROD.

The Bureau makes effective use of closed-circuit television in its continuing education and information program. This medium is well suited to getting timely, accurate, and consistent training and information to the Bureau's facilities which are at many locations throughout the city.

MANAGEMENT SUPPORT 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. This section responds to frequent requests from the Council, the Office of Finance and Administration, and the press for information and calculation's pertaining to the Bureau's budget and operations.

Major activities of the Management Services Division during fiscal year 1990-91 included the following:

- * Coordinating the administration of and modifications to the FY 990-91 Budget
- * Coordinating the preparation of the FY1991-92 annual budget of the Bureau, a budget which was approved at over \$54 million, and included 757 positions

- * Continued participation in refinement of the City's Intergrated Business Information System, which handles and dispenses all the City's financial data.

- * Participation on the city's Urban Services Task Force, which is responsible for the coordination of proposed annexations.

- * Administration of the intergovernmental service agreement between the City of Portland and the Multnomah R.F.P.D. #10, including plans for the termination of the agreement in 1994.

- * Development of the annual five year Capital improvement Program for the Bureau, directed toward the elimination of existing and projected capital deficiencies, as well as improvements to 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

- * The Management Officer serves as Project Manager for two Federal grants awarded jointly to the Fire and Police Bureaus. As a member of the

Clandestine Drug Lab Executive Committee, the Management Officer oversees the expenditure of \$510,000 in the Clandestine Drug Lab Grant, and \$372,500 in the Contamination Reduction Grant

- * On-going development and maintenance of computer programs and networks aiding employees in accomplishing their tasks more efficiently

- * Coordination of the Fire Information System procurement process

- * Cooperation with and assistance to the Fire Marshal's Office in development of methodologies for compliance with SARA Title III, concerning storage of hazardous materials.

BUREAU ADVISORY COMMITTEE

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.



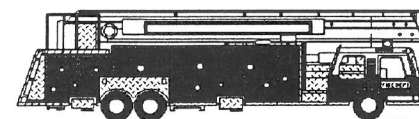
BUREAU ADVISORY COMMITTEE

(Left to Right) Jennifer Sims, Sharon Fleming-Barrett, Marci Proutt, Marianne Margeta, Ann Henderson, Joe Pribil, Ann Foster (Missing) Emily Cedarleaf

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' Maintenance Center located at 1135 S.E. Powell Blvd.

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

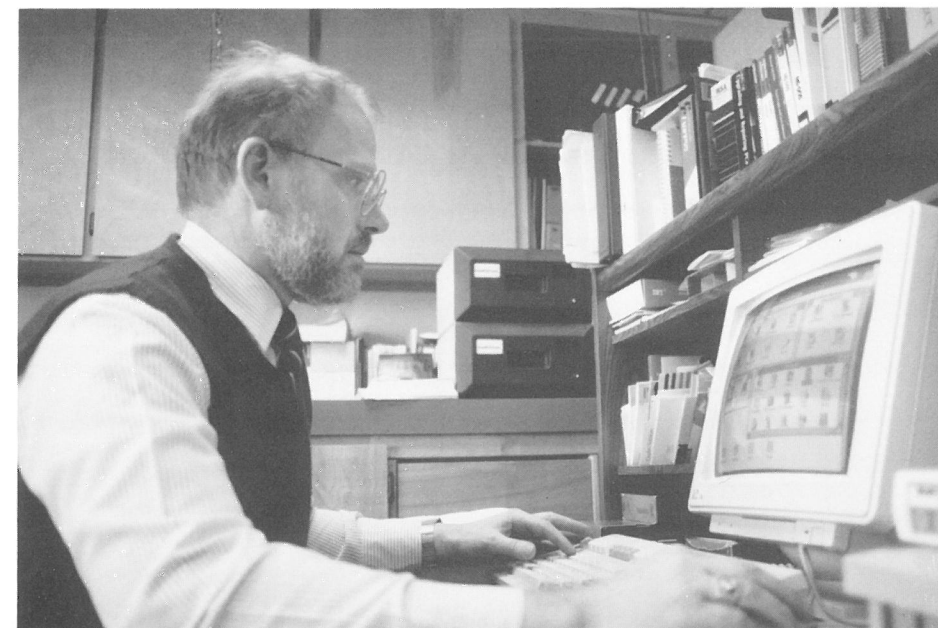


Apparatus Maintenance is responsible for the writing of specifications, the purchasing of apparatus and the routine and preventative maintenance of all fire apparatus and fire support vehicles. At present, the Bureau has 210 pieces of apparatus and support type vehicles which are administered by this 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 Fire Bureau.



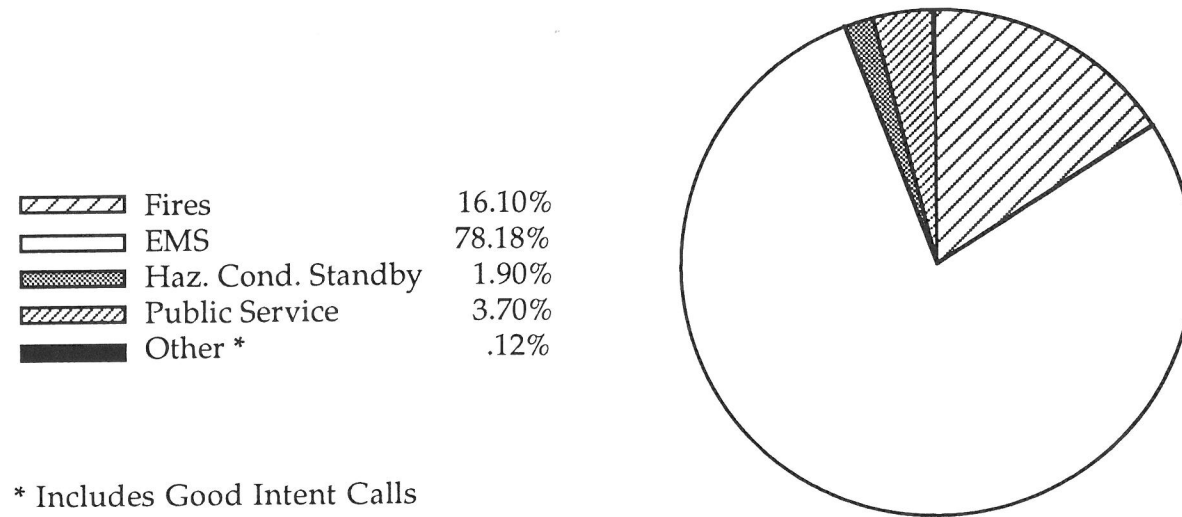
Fire Information Services Manager working on windows programs



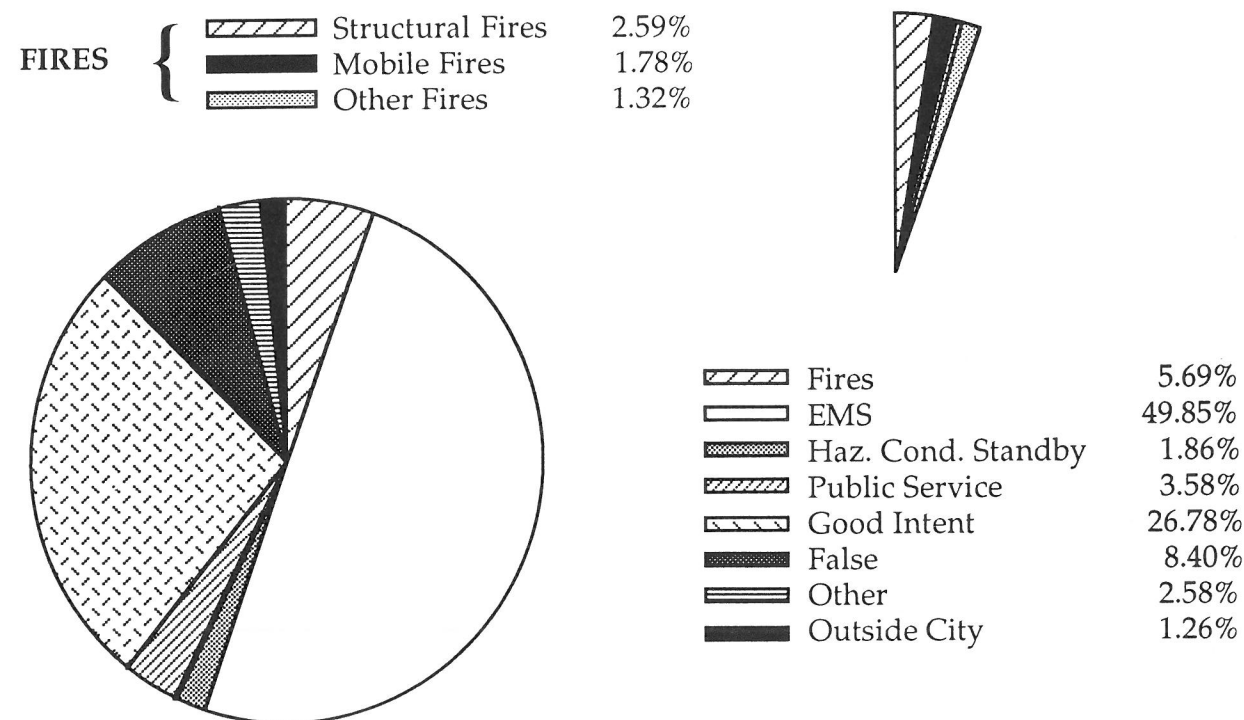
The latest technology in SCBA functions, the POSI-CHECK for testing for proper flow and status of the regulator

SUMMARY OF EMERGENCY RESPONSES 1990-91

INITIAL REASON FOR DISPATCH

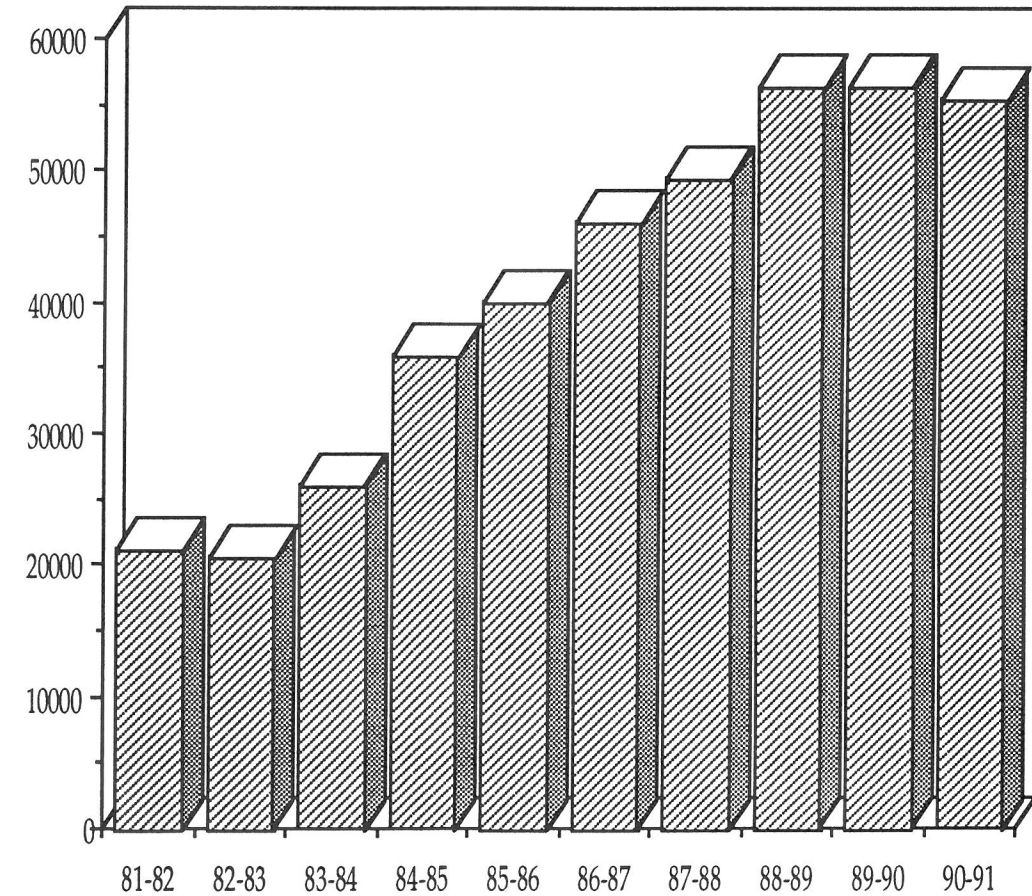


ACTUAL SITUATION FOUND



EMERGENCY RESPONSES

FISCAL YEARS 1982-91



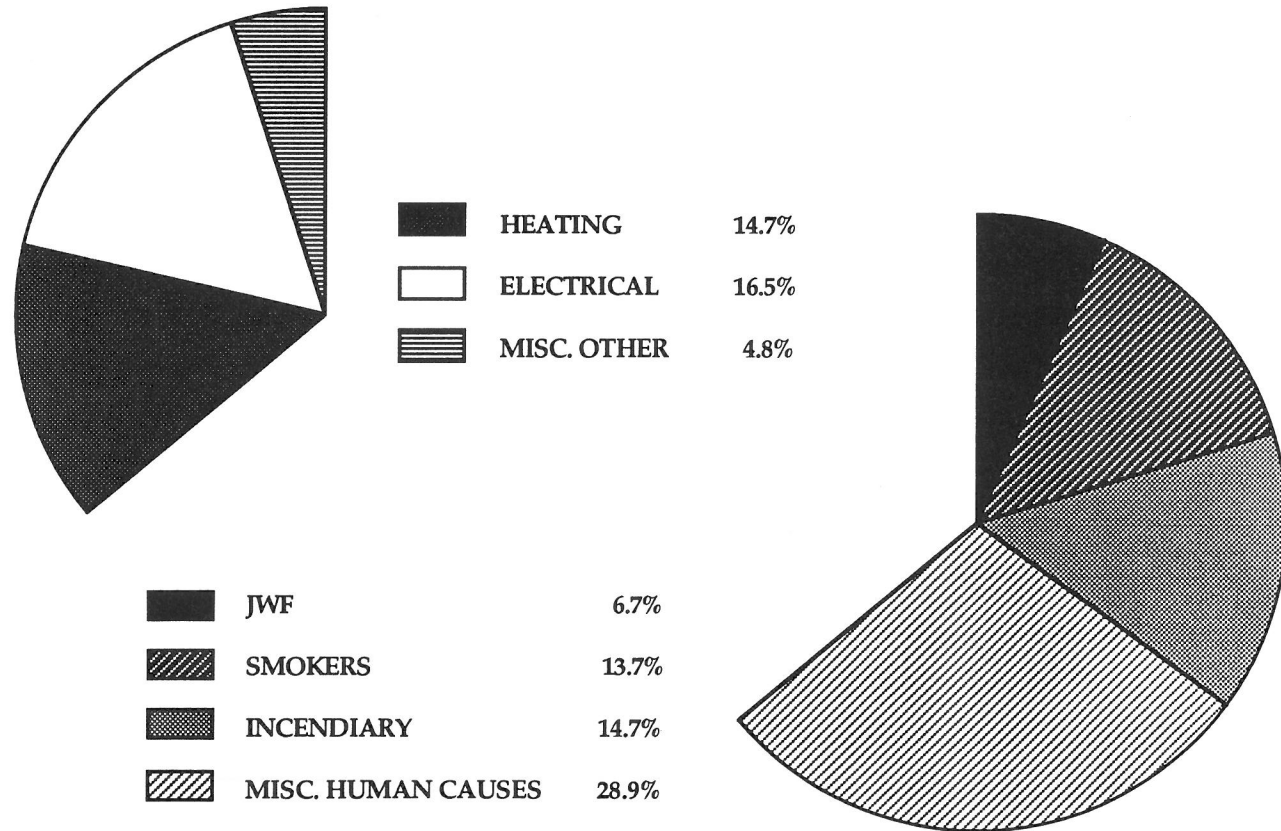
1981-82	21,234	1986-87	46,117
1982-83	20,818	1987-88	49,603
1983-84	26,005	1988-89	56,526
1984-85	35,918	1989-90	56,439
1985-86	40,178	1990-91	55,514

In 1984-85 District 10 merged with Portland
In 1986-87 Clackamas 1 merged with Portland

**BUILDING FIRE INCIDENTS BY CAUSE
FISCAL YEAR 1990-91**

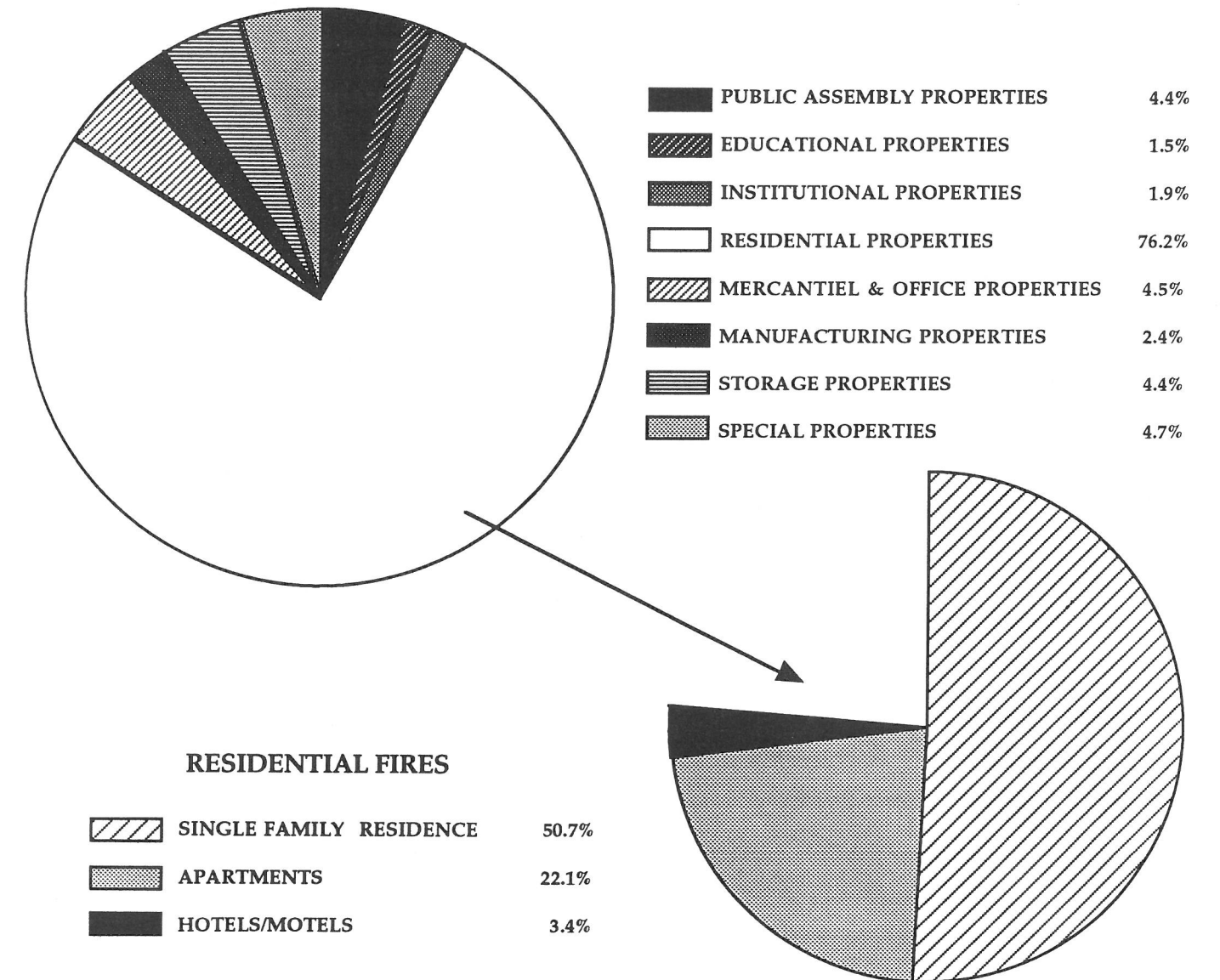
<u>HUMAN ELEMENTS</u>	<u>CC#1</u>	<u>DIST#10</u>	<u>PORTLAND</u>	<u>TOTAL</u>
CHILDREN WITH FIRE OR MATCHES	4	8	85	97
CARELESS WITH CIGARETTE OR OTHER SMOKING MATERIAL	5	9	183	197
INCENDIARY	6	14	192	212
MISCELLANEOUS	10	33	372	415
TOTAL	25	64	832	921

<u>OTHER</u>	<u>CC#1</u>	<u>DIST#10</u>	<u>PORTLAND</u>	<u>TOTAL</u>
HEATING EQUIPMENT	6	36	169	211
ELECTRICAL - OTHER THAN HEATING	9	13	215	237
MISCELLANEOUS FIRES	6	3	60	69
TOTAL	21	52	444	517



**BUILDING FIRE INCIDENTS BY OCCUPANCY
FISCAL YEAR 1990-91**

	<u>CC#1</u>	<u>DIST#10</u>	<u>PORTLAND</u>	<u>TOTAL</u>
PUBLIC ASSEMBLY PROPERTIES	1	3	59	63
EDUCATION PROPERTIES	2	4	16	22
INSTITUTIONAL PROPERTIES	3	1	23	27
RESIDENTIAL PROPERTIES	25	91	980	1096
MERCANTILE & OFFICE PROPERTIES	5	2	58	65
MANUFACTURING PROPERTIES	4	2	28	34
STORAGE PROPERTIES	3	5	56	64
SPECIAL PROPERTIES	3	8	56	67
TOTAL	46	116	1276	1438



**EMERGENCY MEDICAL RESPONSE OF RESCUE COMPANIES
Fiscal Year 1990-91**

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

<u>CATEGORIES</u>	<u>ALS</u>	<u>BLS</u>	<u>TOTAL</u>
ABDOMINAL	293	147	440
ALLERGIES	55	27	82
ANIMAL BITES	23	9	32
ASSULT/STABBINGS	726	531	1,257
BACK PAIN	87	114	201
BEHAVIOR PROBLEMS	79	106	185
BLEEDING	421	302	723
BREATHING/CHOKE	1,180	569	1,749
BURNS	60	38	198
CHEST/HEART	2,039	632	2,671
DIABETIC	202	170	372
DROWNING	6	4	10
ELECTROCUTION	8	2	10
EYE PROBLEMS	47	22	69
FALLS	790	519	1,309
HEADACHE	59	73	132
HEAT/COLD	20	25	45
HAZ MAT INCIDENTS	4	2	6
INHAL./POISON	21	32	53
MANDOWN	65	795	860
OVERDOSE/POISON	371	249	620
PREG./MISC.	174	113	287
POLICE REQUEST	123	96	219
SEIZURE/CONVULSIONS	598	414	1,012
CHRONIC ILLNESS	244	114	358
STROKE	322	133	455
TRAFFIC ACCIDENT	949	292	1,241
TRAUMATIZING	1,162	513	1,675
UNC/FAINTING	1,114	263	1,377
UNKNOWN	430	303	733
PRE-HOSPITAL CARE REPORT	9,019	1,161	10,180
MONITOR	2,530	1	2,531
DEFIB.	254	0	254
CPR-VENT.	451	3	454
I.V.ADMIN.	1,996	1	1,997
INTUBATION	438	0	438
DRUG. ADMIN.	1,350	0	1,350

The Bureau is the largest provider of prehospital care, Basic Life Support (BLS) and Advanced Life Support (ALS), in the state of Oregon, responding to over 30,000 medical responses and assisting over 45,000 citizens this past year. The mission of the EMS Office is to support and coordinate efforts with the medical community and to facilitate the rapid changes that occur constantly within the fire services. In addition, a major goal of the EMS office has been to provide continued training, equipment upgrades, and vaccinations programs for protection for Bureau Employees who may be exposed to communicable diseases. In the future, the demand for service will increase and the skill requirements will be expanded to cover more field procedures. The Bureau is moving towards an all ALS first response system with a paramedic assigned to each company. This will be implemented as people are trained and/or hired to bring the skill level up. The EMS Office will continue to act as a resource to enable the Bureau to achieve its goals and objectives and to be recognized, state-wide and nationally, as a progressive prehospital care provider.

**HAZARDOUS MATERIALS RESPONSE OF FIRE COMPANIES
Fiscal Year 1990-91**

The Bureau's Hazardous Materials program involves: responding to incidents utilizing trained and certified First Responders as well as the Hazardous Materials Response Team (HMRT); training Bureau personnel, other City personnel, County personnel, and private industry employees; participating in legislative actions; regulation compliance; and emergency preparedness planning. The HMRT responds to and mitigates hazardous material incidents and related emergencies. To adequately respond to these incidents, the Bureau has dedicated two on-duty fire units, Engine 7 and Engine 16 with a total allocation of 8 personnel. Through a certification process sanctioned by the State Fire Marshal's Office, all bureau members have been certified as Hazardous Materials Technicians I, with members of the HMRT participating in a program which will result in certification as either a Technician II or Specialist. This level of training has enabled the Bureau's HMRT to become Level A Certified, capable of operating in all types of environments, utilizing fully encapsulated suits, and providing the appropriate decontamination procedures. This past year, the HMRT responded to 123 separate incidents. Due to a higher level of public awareness and an increase in the use of hazardous substances it is expected that incidents will continue to increase for the next five years. Another factor contributing to this increase in emergency incidents is the response to illegal drug labs. The Bureau's close working relationship with the Portland Police Bureau's Drug and Vice Division resulted in a Federal grant for response to clandestine drug labs. During this year we purchased specialized equipment, developed new procedures for drug lab response, conducted research into drug lab cleanup techniques, and developed a data base for personnel involved in drug lab responses. As both the use of hazardous materials increases and the regulations associated with these materials become more numerous, the Bureau's Hazardous Materials unit will continue to provide planning, training, and response capabilities for the citizens of Portland in an efficient manner in order that the quality of life can be maintained and protected from the adverse affects of hazardous materials.

Hazardous material response by type HMRT:

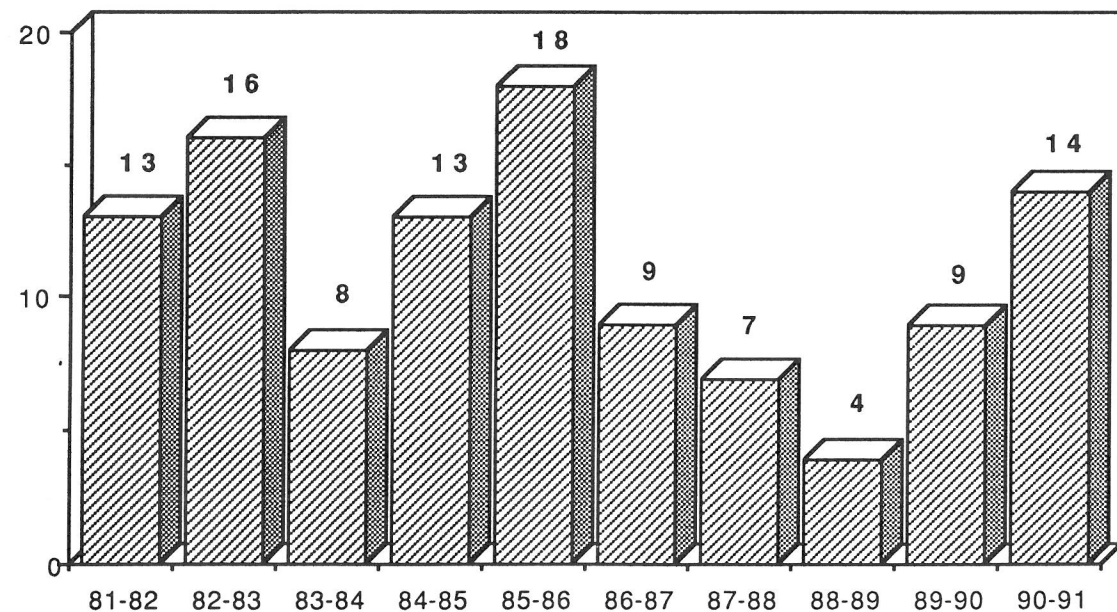
Biological	0	Radiological	0
Cryogenic	2	Explosive	7
Compressed Gas	27	Natural Gas	34
Petroleum	62	Chemical	63
Other	51		
TOTAL		246	



SUMMARY OF VALUES AND LOSSES
FISCAL YEAR 1990-91

<u>STRUCTURE FIRES</u>	<u>PORTLAND</u>	<u>TOTAL</u>
TOTAL VALUE OF BUILDINGS	2,353,818,050	2,396,396,850
TOTAL VAULUE OF CONTENTS/EQUIPMENT	845,725,710	885,468,785
TOTAL	3,199,543,760	3,281,865,635
TOTAL LOSS TO BUILDING	8,981,265	9,510,970
TOTAL LOSS TO CONTENTS/EQUIPMENT	3,364,855	3,742,470
TOTAL	12,346,120	13,253,440
<u>MOBILE PROPERTIES</u>		
TOTAL VALUE OF MOBILE PROPERTIES	1,534,566,765	1,534,989,640
TOTAL LOSS OF MOBILE PROPERTIES	2,258,435	2,482,171
<u>PROPERTIES OTHER THAN STRUCTURE AND MOBILE</u>		
TOTAL VALUE OF PROPERTIES	9,703,243	9,988,653
TOTAL LOSS OF PROPERTIES	181,386	188,671
TOTAL VALUE OF ALL PROPERTIES	4,743,813,768	4,826,843,928
TOTAL LOSS OF ALL PROPERTIES	14,785,941	15,924,282

FIRE FATALITIES 1981-82 TO 1990-91



SUMMARY OF INSPECTION ACTIVITIES
FISCAL YEAR 90-91

<u>Inpections:</u>	
Regular	5,819
Reinspections	6,054
Specials:	
Complaints and Referrals	7,410
Nights	50
TOTAL INSPECTIONS	19,333
Violations Noted	17,710
Abatements or corrections	16,027
<u>Fire and Life Safety Plans Review</u>	5,741
<u>Permits:</u>	
Fixed fire protection systems	87
Early warning systems	264
Automatic sprinkle systems	540
Oil and propane heating systems	46
Gasoline tank and pump equipment	778
All other - fireworks, vending permits	265
Certificates of Fitness	236
Public Assembly	117
TOTAL PERMITS ISSUED	2,333
<u>Revenue:</u>	
Title III	\$358,062
Permits	177,750
Certificate of Fitness	4,115
Report Charges	9,381
Enforcement	3,690
TOTAL REVENUE	\$552,998

**REPORT FROM FIRE INVESTIGATION
Fiscal Year 1990-91**

FIRES INVESTIGATED

Arson, Probable Arson and Attempted Arson	487
Fires Investigated and Found Not Incendiary	310
Fires Investigated with Cause Unknown	25
Juvenile with Fire Incidents	<u>226</u>
TOTAL	1,048

Incendiary Fires Investigated

Fire Investigation Unit	487
Other Law Enforcement Agencies	57
TOTAL	544

Type of Incidents

	Juvenile	Adult
Fire Investigation Unit	18	469
Other Law Enforcement Agencies	35	22
TOTAL	53	491

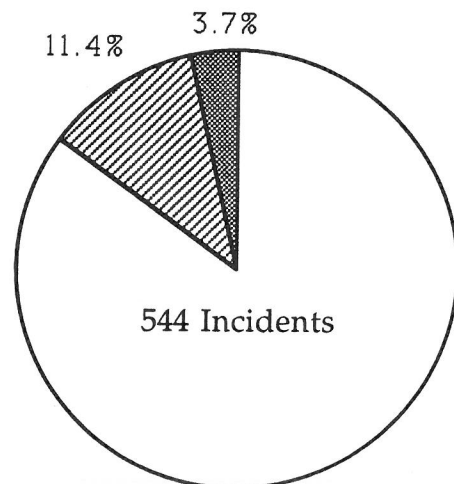
Arrests

	Juvenile	Adult
Fire Investigation Unit	9	31
Other Law Enforcement Agencies	20	2
TOTAL	29	33

Convictions for Arson Related Offenses

	Convictions	Conviction Rates
Fire Investigation Unit	21	53%
Other Law Enforcement Agencies	15	68%
TOTAL	36	59%

Clearances (Arrests and Exceptional Clearances)



Arrests	62
*Exceptional Clearances	**20

Arson Incidents
 Arrests
 Exceptional Clearances

*Exceptional Clearance - The perpetrator has been identified, but no arrest has been made due to insufficient evidence, etc.

** Fourteen of the clearance were made by the Fire Bureau while six went to other agencies

JUVENILE FIRESETTER PROGRAM

In January, 1986 the Portland Fire Bureau planned, organized, and developed a program to reduce the incidence of juveniles with fire and the resulting loss of life. This was based on the need expressed by arson investigators concerning the great number of juvenile firesetters in the Portland area and the lack of time they had to follow up on those cases.

It was found that a key to getting help for the juvenile firesetters was early identification and intervention. One of the goals was to increase public awareness about the problem and to motivate people to call for help as soon as they realized their child had a fireplay problem and before a fire occurred. One of the goals was to show an increase in the number of Juvenile Firesetters we were able to identify.

Before the program was implemented, the ten-year average (between 1975 and 1984) for juvenile firesetters was 108. During the fiscal year 1984-85, 192 juvenile firesetters were reported. During 1986, the first year of the Juvenile Firesetter Program, 363 cases of juvenile firesetting were reported.

The Portland Fire Bureau has developed a list of over 25 resources where help may be obtained to deal with the problem firesetter. Referrals for the less serious firesetters can be made to Youth Service Centers where counseling is available. For the more serious firesetters, referrals can be made to local counseling centers. Local hospitals and residential care facilities can handle the most serious firesetters.

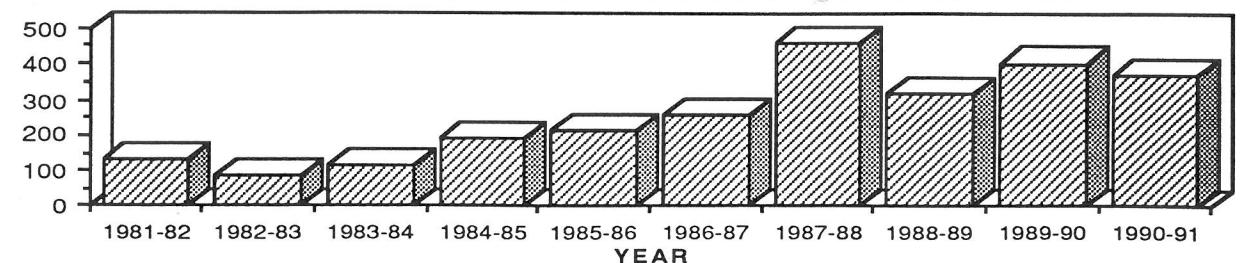
The Portland Fire Bureau has been very successful in increasing public awareness about the problem through advertisement in the media. Initially, the Portland Fire Bureau held a press conference at the site of a house fire. The cause of the house fire was a child playing with a lighter.

Due to the large number of firesetters identified in Portland, it was soon realized that one person alone could not handle all the cases. An experimental program was initiated to train other fire fighters in how to educate, evaluate, and refer juvenile firesetters and his/her family at the fire station. Appointments can be made for daytime, evening hours, or weekends - depending on the needs of the family. This training program proved to be successful in the summer of 1987 and has been expanded to include fire fighters all over the City of Portland.

An important link in this program is with the mental health clinicians used for referral. Although these people have expertise in family counseling, they need to be educated in counseling firesetters. A goal has been to increase the knowledge and skills among the mental health professionals in how to counsel juvenile firesetters. Many local area mental health counselors have benefitted from specialized training in the field of juvenile firesetters.

Fire is a dynamic, and at times, destructive force. Because fire has so many variables, it gets out of control with terrifying and sometimes deadly speed. When our children play with fire we can expect burns, loss of life, and loss of property. By working pro-actively to combat this problem, we can save our most valuable resource - our children.

JUVENILE FIRESETTERS REFERRALS BY FISCAL YEAR



**OUTSIDE CITY FIRE PROTECTION
Fiscal Year 1990-91**

Fire protection services were provided via contract for the following Rural Fire Protection Districts, Water Districts, and non-governmental entities during the Fiscal Year 1990-91

<u>Contractee</u>	<u>Revenue</u>
Multnomah Co. R.F.P.D. No. 1	78,040.40
Clackamas Co. R.F.P.D. No. 1	2,357,220.00
Burlington Water District	41,221.14
D.F. Weich (Residence)	172.00
Alder Creek Lumber Company	1,710.15
Lucky Landing	938.60
Sawyer (Residence)	245.10
Gresham	117,330.51
Multnomah Co. R.F.P.D. No. 10	4,991,743.27
*Multnomah Co. R.F.P.D. No. 14 Corbett	5,963.00
*Multnomah Co. R.F.P.D. No. 30 Sauvies Is.	600.00
TOTAL REVENUE	\$7,595,184.17

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. No. 14 Corbett
 Washington Co. R.F.P.D. No. 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 - PDX
 City of Beaverton
 Clackamas County R.F.P.D. No. 72 Sandy
 Clackamas County R.F.P.D. No. 59 Boring
 Clackamas County R.F.P.D. No. 65 Happy Valley
 Clark County R.F.P.D. No. 5
 Clackamas County R.F.P.D. No. 51 Oak Lodge
 Clackamas County R.F.P.D. No. 71
 Multnomah County R.F.P.D. No. 20 Skyline
 Clackamas County R.F.P.D. No. 1
 Multnomah County R.F.P.D. No. 10

*Dispatch Contracts