

HELENA FIRE DEPARTMENT

1985 ANNUAL REPORT

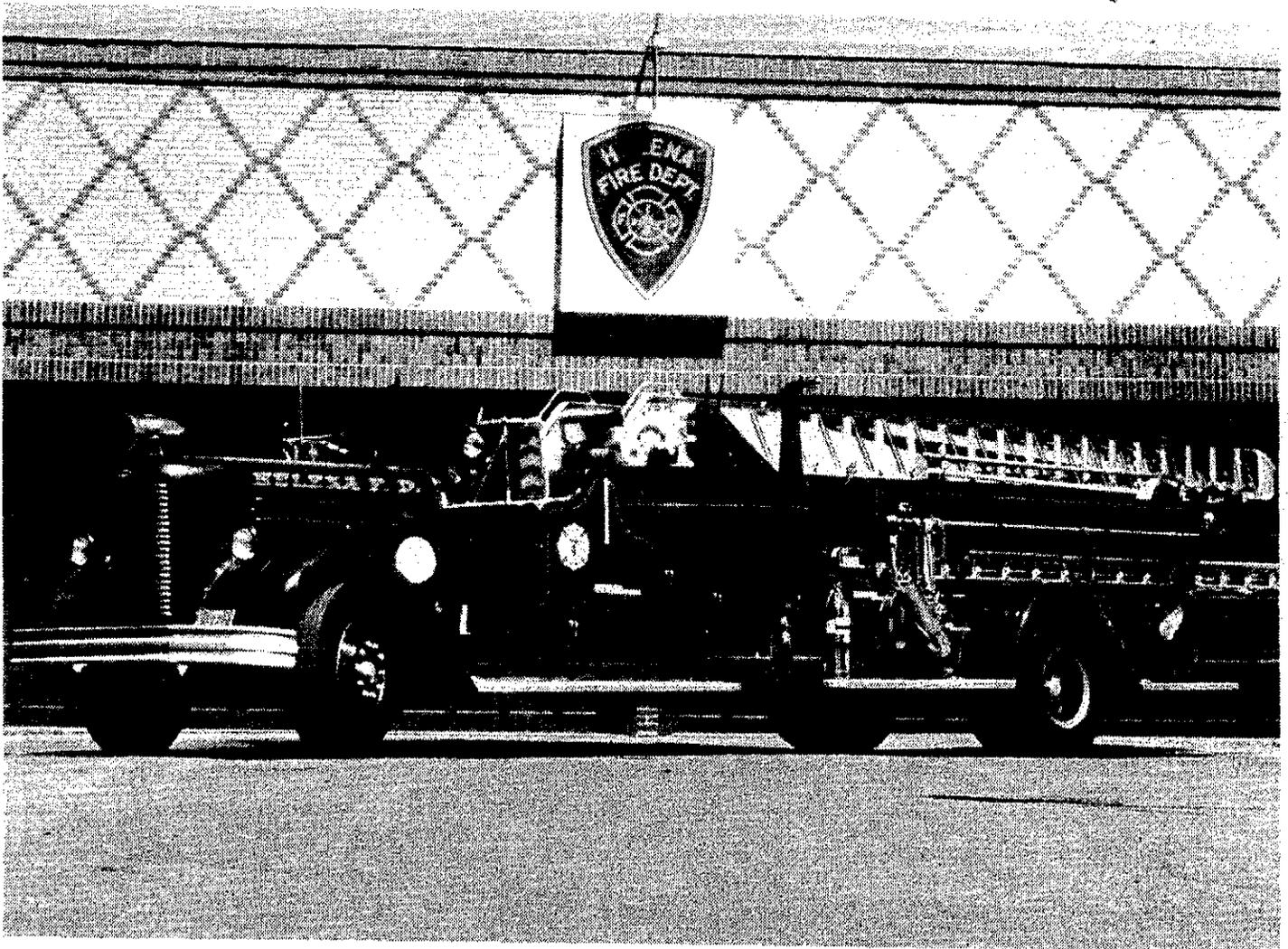
AS SUBMITTED TO

THE HONORABLE MAYOR AND THE CITY COMMISSION

NORM GRAY, FIRE CHIEF

RICH COE, ASS'T CHIEF

BUBBA KNUDSON
ANIMAL TRAINER



FIGHT FIRE BEFORE IT STARTS

"Practice Fire Prevention"

Commissioners
Russell J. Ritter, Mayor
Rayleen Beaton
Michael J. DaSilva
Rose Leavitt
Blake J. Wordal

William J. Verwolf
City Manager



Fire Department
Mailing Address:
City-County Admin. Bldg.
316 North Park
Helena, MT 59623
Phone 406/442-9920
Office Location:
Civic Center Building

Fire Chief
Norm Gray

INDEX

PAGE 1 & 2 SUBMITTAL LETTER BY CHIEF, NORM GRAY

PAGE 3 MAYOR, CITY COMMISSION AND CITY MANAGER

PAGE 4 MEMBERS OF HELENA FIRE DEPARTMENT

PAGE 5 HELENA FIRE DEPT. MOTORIZED EQUIPMENT

PAGE 6 & 7 FIRE INCIDENT STATISTICAL DATA

PAGE 8 FIRE LOSS ANALYSIS

PAGE 9,10,11,12 & 13 FIRE PREVENTION REPORT, FPO, BOB KNUDSON

PAGE 14 PUBLIC EDUCATION REPORT, FPO, BOB KNUDSON

PAGE 15 & 16 TRAINING REPORT, ASS'T. CHIEF, RICH COE

PAGE 17 MECHANIC REPORT, MECHANIC DON HURNI

PAGE 18 FUEL REPORT

PAGE 19 BUILDING MAINTENANCE

PAGE 20 & 21 OPERATIONAL PROCEDURE

PAGE 22 FIRE PROTECTION CONTRACTS

PAGE 23 ALARMS BY AREA (MAP)

PAGE 24 ALARMS BY MONTH (CHART)

PAGE 25 ALARMS BY DAY OF WEEK (CHART)

PAGE 26 ALARMS BY HOUR OF DAY (CHART)



Commissioners
Russell J. Ritter, Mayor
Rayleen Beaton
Michael J. DaSilva
Rose Leavitt
Blake J. Wordal

William J. Verwolf
City Manager



Fire Department
Mailing Address:
City-County Admin. Bldg.
316 North Park
Helena, MT 59623
Phone 406/442-9920
Office Location:
Civic Center Building

Fire Chief
Norm Gray

January 27, 1986

Mr. Bill Verwolf
City Manager
316 N. Park
Helena, MT 59623

Dear Mr. Verwolf,

I am pleased to submit to you the Annual Report of the Helena Fire Department for 1985. This report contains statistical data and information relating to the various operations and activities for 1985.

This year the City of Helena had one (1) serious fire, at the Oro Fino Apartments, which caused an estimated \$550,000.00 fire loss. We were fortunate that no civilian injuries or fire deaths occurred as a result of this fire. We did however, have one (1) firefighter who was injured as a result of this fire.

For the third year, we had no fire deaths in the City of Helena. I feel that this is one statistic which cannot be overlooked. Firefighters see the devastation of fire continuously, but when a life is lost in a fire, it is the most helpless and emotional experience that a person can feel. In most cases, fire deaths can be prevented, and they are the result of carelessness. Buildings can be rebuilt, but lives are lost forever. We, as firefighters, dedicate our lives to seeing that people are not injured or killed in fires.

I am looking forward to 1986 with high expectations. The three (3) new men started to work in January and we have already seen some positive results of having the extra manpower. We will be receiving our new pumper in February, and 1986 will see the new communications system fully operational. We have re-organized the Fire Prevention Bureau which should give us some good results. Our on-going training program is also showing some great progress.

I would like to thank you, the City Commission and the members of the Helena Fire Department for the support which I have received this past year.

Respectfully submitted,

Norm Gray
Norm Gray, Fire Chief
Helena Fire Department

Commissioners
Russell J. Ritter, Mayor
Rayleen Beaton
Michael J. DaSilva
Rose Leavitt
Blake J. Wordal

William J. Verwolf
City Manager



Fire Department
Mailing Address:
City-County Admin. Bldg.
316 North Park
Helena, MT 59623
Phone 406/442-9920
Office Location:
Civic Center Building

Fire Chief
Norm Gray

MAYOR

RUSS RITTER

COMMISSION

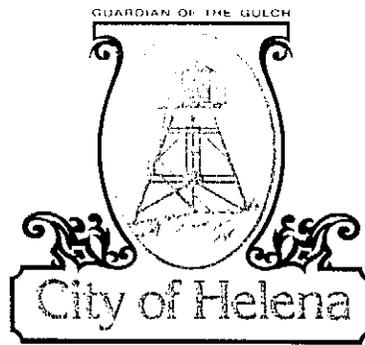
RAYLEEN BEATON
MIKE DASILVA
ROSE LEAVITT
BLAKE WORDAL

CITY MANAGER

BILL VERWOLF

Commissioners
Russell J. Ritter, Mayor
Rayleen Beaton
Michael J. DaSilva
Rose Leavitt
Blake J. Wordal

William J. Verwolf
City Manager



Fire Department
Mailing Address:
City-County Admin. Bldg.
316 North Park
Helena, MT 59623
Phone 406/442-9920
Office Location:
Civic Center Building

Fire Chief
Norm Gray

HELENA FIRE DEPARTMENT

FIRE CHIEF

NORM GRAY

ASST. FIRE CHIEF

RICH COE

FIRE PREVENTION BUREAU

FPO - FR BOB KNUDSON

FF III - HARRY CRAWFORD

CFE - FRITZ ZETTEL

COMBAT

SHIFT #1

SHIFT #2

SHIFT #3

Capt.	Ron Jacobsen	Capt.	Joe Cross	Capt.	Bob Pare
LT. - FR	Ted Simpson	LT.	Dennis Sorrels	LT.-Mech.	Don Hurni
FF 1/C-FR	Ron Morris	FF 1/C	Bob Olson	FF 1/C	Art Kreiger
FF 2/C-EMT	Jim Skinner	FF 2/C-EMT	Mike Foster	FF 2/C-EMT	Jay Moore
FF III-EMT	Warren Ziegler	FF III-FR	Mike Spotorno	FF III	Dale Klugman
FF III	Don Gage	FF III-EMT	Ed Flies	FF III-EMT	Norb Roth
FF III	Doug Duncan	FF III-EMT	Steve Larson	FF III-EMT	Jim Feucht
FF I-EMT	Pat Clinch	PFF - EMT	Bob Fearon	CFE III-EMT	Joel King
PFF	Larry Ross	PFF	Jim Mitchell	PFF	Roy Swanby

SECRETARY

BERNIE MARTIAN

New Men - Larry Ross
Jim Mitchell
Roy Swanby
Bob Fearon

Retired - Capt. Don Holshue

Commissioners
Russell J. Ritter, Mayor
Rayleen Beaton
Michael J. DaSilva
Rose Leavitt
Blake J. Wordal

William J. Verwolf
City Manager



Fire Department
Mailing Address:
City-County Admin. Bldg.
316 North Park
Helena, MT 59623
Phone 406/442-9920
Office Location:
Civic Center Building

Fire Chief
Norm Gray

FIRE APPARATUS

1985

<u>APPARATUS #</u>	<u>STATION</u>	<u>TYPE APPARATUS</u>	<u>DESCRIPTION</u>	<u>YEAR</u>
Engine 1	1	1250 Pumper	Seagraves	1975
Engine 2	2	1250 Pumper	Hahn	1980
Engine 3	1	1000 Pumper	FWD	1962
Truck 1	1	85' Tower	Sutphen	1976
Truck 2	2	75' Ladder	Pirsch	1946
Squad 1	1	Mini/Rescue	Chevrolet	1979
Squad 2	2	Mini/Rescue	Dodge	1976
#127	1	Staff	Ford 2 dr	1980
#128	1	Staff	Ford 4 dr	1980
#129	1	Staff Pickup	Ford PU	1981
#130	1	Staff Pickup	Ford PU	1985

Commissioners
 Russell J. Ritter, Mayor
 Rayleen Beaton
 Michael J. DaSilva
 Rose Leavitt
 Blake J. Wordal

William J. Verwolf
 City Manager



Fire Department
 Mailing Address:
 City-County Admin. Bldg.
 316 North Park
 Helena, MT 59623
 Phone 406/442-9920
 Office Location:
 Civic Center Building

Fire Chief
 Norm Gray

FIRE INCIDENT STATISTICAL REPORT

Source of Alarm

	<u>This Year</u>	<u>Last Year</u>
Fire Department telephone	350	372
Police Department telephone	502	388
Alarm Board	53	43
Radio	31	15
Direct report	20	14
Total	<u>956</u>	<u>832</u>

Type of Situation Found

	<u>This Year</u>	<u>Last Year</u>
Fire, explosion, etc	204	202
Smoke scare	57	73
Rescue, crash, emergency	494	352
Hazardous condition	46	42
Public Service	20	31
Alarm - (no fire).....	89	82
False alarm (malicious)	10	15
Electrical problem	25	34
Miscellaneous	<u>11</u>	<u>1</u>
Total	<u>956</u>	<u>832</u>

Total Alarm by Area

	<u>This Year</u>	<u>Last Year</u>
In City	918	797
Fire District	33	28
Contract	3	5
Mutual Aid	<u>2</u>	<u>2</u>
Total	<u>956</u>	<u>832</u>

-continued on next page

Fire Location

	<u>This Year</u>	<u>Last Year</u>
In building	74	68
Wild land	32	37
Rubbish near building	7	8
Rubbish in vacant lot	11	9
Trash cans	0	5
Vehicles	46	41
Dumpsters	30	28
Miscellaneous	4	6
Total	<u>204</u>	<u>202</u>

Fire Control Method

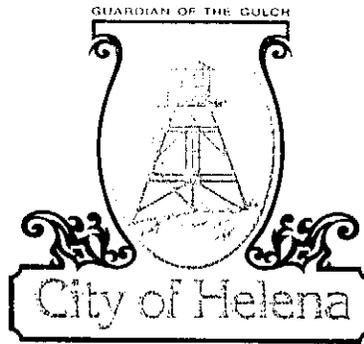
	<u>This Year</u>	<u>Last Year</u>
By Fire Department	166	173
By occupants	5	4
Sprinkler system	0	1
Fire out on arrival	28	19
Other	5	5
Total.....	<u>204</u>	<u>202</u>

Fire Causes (In Buildings)

	<u>This Year</u>	<u>Last Year</u>
Chimneys and wood burning appliances	29	32
Combustibles near heaters	6	11
Careless use of open flame	4	0
Careless use of smoking material	3	4
Children with matches	2	2
Defective electrical	10	10
Flammable liquids	1	1
Fireworks	0	3
Natural conditions	1	0
Incendiary	8	3
Suspicious	4	1
Unknown	0	1
Miscellaneous	6	0
Total	<u>74</u>	<u>68</u>

Commissioners
 Russell J. Ritter, Mayor
 Rayleen Beaton
 Michael J. DaSilva
 Rose Leavitt
 Blake J. Wordal

William J. Verwolf
 City Manager



Fire Department
 Mailing Address:
 City-County Admin. Bldg.
 316 North Park
 Helena, MT 59623
 Phone 406/442-9920
 Office Location:
 Civic Center Building

Fire Chief
 Norm Gray

Fire Loss Analysis

	<u>This Year</u>		<u>Last Year</u>	
	<u>Fires</u>	<u>Loss</u>	<u>Fires</u>	<u>Loss</u>
Public Buildings	1	\$ 500.00	2	\$ 250.00
Dwellings	59	\$828,735.00	60	\$138,325.00
Mercantiles	4	\$ 1,050.00	5	\$ 4,500.00
Manufacturing	0	0	0	0
Miscellaneous	7	\$ 2,500.00	1	\$ 700.00
Outdoor (vehicles)	78	\$ 33,025.00	70	\$ 40,029.00

Total Fire Loss

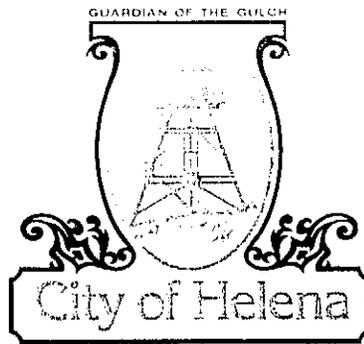
	<u>This Year</u>	<u>Last Year</u>
Outdoor fires (vehicles & dumpsters).....	\$ 33,025.00	\$ 40,029.00
Building fires	\$832,785.00	\$143,775.00
TOTAL ESTIMATED FIRE LOSS	\$865,810.00	\$183,804.00

Death and Injury

	<u>This Year</u>	<u>Last Year</u>
Civilians injured	1	0
Firefighters injured	7	2
TOTAL	8	2
Civilians killed	0	0
Firefighters killed	0	0
TOTAL	0	0

Commissioners
Russell J. Ritter, Mayor
Rayleen Beaton
Michael J. DaSilva
Rose Leavitt
Blake J. Wordal

William J. Verwolf
City Manager



Fire Department
Mailing Address:
City-County Admin. Bldg.
316 North Park
Helena, MT 59623
Phone 406/442-9920
Office Location:
Civic Center Building

Fire Chief
Norm Gray

TO: Norm Gray, Fire Chief
FROM: Bob Knudson, Fire Prevention Officer
DATE: January 27, 1986
SUBJECT: Annual Report from the Fire Prevention Bureau
for the Year of 1985

COMMENTARY:

THE IMPORTANCE FOR FIRE PREVENTION

As we are all aware, the most important non-firefighting function associated with the fire service is in the field of fire prevention. In my opinion, there needs to be more emphasis on fire prevention. Fire departments, many of which confine their roles to putting out fires and rescuing its victims, need to expend more effort to educate children on fire safety, to educate adults through residential inspections, to enforce fire prevention codes, and to see that fire safety is designed into buildings. Such efforts need to be continuously evaluated so that the public can learn what kinds of measures are most effective in reducing the incidence and destructiveness of fire.

The functions of the Fire Prevention Bureau are many. The Bureau is responsible for conducting routine, as well as technical fire inspections, complaint investigations, fire and arson investigations, plan reviews for commercial construction and remodeling, consultation with architects, contractors, and property owners concerning all aspects of fire protection and prevention. The Bureau also has the task of informing the public about its fire safety program and how it concerns each and everyone of them. A summary of some of these functions are:

PUBLIC FIRE SAFETY PROGRAM

To reach the broad area of people in our community, takes a constant on-going public education program. In order to accomplish this, the Bureau uses several different things, including the use of the news media, talks at meetings, two (2) seasonal programs including Fire Prevention Week and spring clean-up and

various other programs for educating children, baby-sitters, employees and employers in many of the different business throughout our community.

SAMPLING OF METHANE GAS

The Bureau conducts sampling of methane gas at various test sites on and around the city landfill in order to determine the levels of methane gas in the ground and adjoining buildings.

COMPLAINT INVESTIGATIONS

The Bureau conducts investigations of complaints received from local businesses and the citizens of Helena, concerning code violations, hazardous conditions, and public safety. During 1985, the Bureau received and investigated 55 complaints. Some of the complaints received concerned:

- Leaking natural gas piping in the science class classrooms at Helena High School
- The storage of explosive materials in violation of code requirements by two (2) businesses
- A complaint of noxious fumes in an office building from the improper use of the chemical Methyl Methacrylate, resulting in the illness of employees in two (2) separate businesses
- Transients building fires in a vacant building to keep warm

HAZARDOUS MATERIALS

The Fire Prevention Bureau has many functions in the area of hazardous materials. The Bureau is responsible for code enforcement under the provisions of the Uniform Fire Code to insure the safe handling, use, and transportation of hazardous materials, as well as complying with the provisions of the Employee/Community Hazardous Chemical Information Act recently passed by the Montana legislature. The Bureau also assists local businesses in complying with the new provisions of the Resource Conservation and Recovery Act under a program of the National Fire Protection Association and the U.S. Environmental Protection Agency.

During 1985 the Bureau handled the removal and disposal of leaking containers of Para-Toluidine, and Arsenic Trichloride, the recovery of an Ammonia gas cylinder that had fallen off a truck, and collected samples of an unknown chemical after a man was splashed and received minor burns at the landfill.

The Bureau is continuing an on-going hazardous materials risk assessment for the City of Helena and is working with Lewis and Clark County to form a joint hazardous materials response plan.

TECHNICAL INSPECTIONS

The Fire Prevention Bureau conducts technical fire inspections together with the Building Department, other agencies and departments of businesses and occupancies where the hazard or nature of the activities or operation of the occupancy are of a technical or involved nature. An example of technical inspections conducted by the Bureau would be in the installation, maintenance and operation of group 2 and group 3 mechanical refrigeration systems utilizing ammonia, methylchloride, propane, or isobutane as refrigerants.

Goals for the Fire Prevention Bureau for the year 1986.

- 1) Conduct a minimum of 30 inspections a week.
- 2) Go through all industrial, commercial institutional, public assembly and educational occupancies at least once every 18 months.
- 3) Inspect all apartment houses in the year 1986.
- 4) Conduct a minimum of 6 public service announcements for radio, and 6 news releases for the paper.
- 5) To attend any schools which would further my knowledge of fire prevention and/or fire investigations.
- 6) To continue to work closely with the City Attorney's office and Building and Safety Department.
- 7) To strengthen our permit system and permit requirements.
- 8) To continue the hazardous materials risk assessment begun last year.
- 9) To improve our Fire Prevention Week program.

1985 CODE ENFORCEMENT ACTIVITIES

INSPECTIONS

<u>OCCUPANCY TYPE</u>	<u>NUMBER OF INSPECTIONS 1985</u>	<u>NUMBER OF INSPECTIONS 1984</u>
Mercantile	134	148
Educational	21	23
Public Assembly	54	96
Residential	120	156
Business	172	89
Industrial	107	77
Miscellaneous	<u>54</u>	<u>21</u>
Sub Total	662	610
Re-Inspections conducted	270	187
TOTAL INSPECTIONS FOR 1984-85	932	797

FIVE YEAR COMPARISON

<u>YEAR</u>	<u>TOTAL INSPECTIONS</u>
1985	932
1984	797
1983	543
1982	778
1981	1,145

The increase in the number of inspections completed, was because of the additional manpower provided. This figure will again raise in 1986.

NOTICES, ORDERS & CITATIONS:

Notices are issued for the correction of routine violations, orders are issued for the correction of more hazardous violations, and to gain code compliance, after all other measures have failed, a citation would be issued.

During 1985 the Fire Prevention Bureau made an effort to work more closely with the City Attorney's office. As a result of this interaction the Bureau issued an increased number of citations after failing to obtain compliance.

During 1985, there were 377 notices, 24 orders and 11 citations issued.

PLAN REVIEWS:

The Fire Prevention Bureau is responsible for plan reviews of all new construction and remodeling of commercial structures, plus plan reviews for all fire protection systems that are installed.

Total plan review house for 1985, 61.5 hours.

FIRE INVESTIGATION:

As required by State law, the Bureau is responsible for investigating all fires within its jurisdiction. In 1985, the Bureau investigated all fires which were of incendiary origin, suspicious origin, where there was injury or death and large dollar loss fires.

In 1985, the Bureau investigated a total of 24 fires, 13 were determined accidental, 8 incendiary, 0 of undertermined origin and 3 suspicious.

FIVE YEAR COMPARISON

<u>YEAR</u>	<u>NO. INVESTIGATED</u>	<u>INCENDIARY</u>	<u>ARRESTS</u>	<u>CONVICTIONS</u>
1985	24	8	0	0
1984	16	1	0	0
1983	28	15	1	1
1982	31	11	0	0
1981	53	22	7	1

Commissioners
Russell J. Ritter, Mayor
Rayleen Beaton
Michael J. DaSilva
Rose Leavitt
Blake J. Wordal

William J. Verwolf
City Manager



Fire Department
Mailing Address:
City-County Admin. Bldg.
316 North Park
Helena, MT 59623
Phone 406/442-9920
Office Location:
Civic Center Building

Fire Chief
Norm Gray

TO: Norm Gray, Fire Chief
FROM: Bob Knudson, Fire Prevention Officer
DATE: January 27, 1986
SUBJECT: Public Education for the Year 1985

During the year of 1985, the Fire Prevention Bureau conducted several public education programs, including twenty two (22) radio and TV spots, along with numerous public service announcements. Some of the material covered in these programs include such things as spring clean-up, fireworks safety, fire prevention week, holiday and christmas safety.

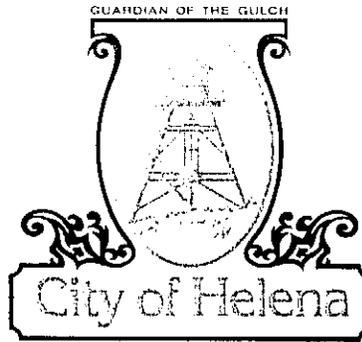
The Bureau also conducted three (3) fire drills, forty one (41) demonstrations, thirty one (31) lectures, counseled twenty (20) juvenile fire setters and helped with one (1) boy scout merit badge.

Some of the different groups of businesses contacted during our lectures and demonstrations included, St. Peter's Hospital, the Telephone Co., I.B.M. and Capital High School. During Fire Prevention Week, we conducted station tours for all second graders in School District #1. This included thirteen (13) different schools along with several pre-school and day care centers.

During the public education program for 1985, the Prevention Bureau contacted more than 2,500 people.

Commissioners
Russell J. Ritter, Mayor
Rayleen Beaton
Michael J. DaSilva
Rose Leavitt
Blake J. Wordal

William J. Verwolf
City Manager



Fire Department
Mailing Address:
City-County Admin. Bldg.
316 North Park
Helena, MT 59623
Phone 406/442-9920
Office Location:
Civic Center Building

Fire Chief
Norm Gray

TO: Norm Gray, Fire Chief
FROM: Rich Coe, Ass't Fire Chief
DATE: January 27, 1986
SUBJECT: Fire Department Training

Fire Department training during 1985 included:

- 1) The Fire Department conducted thirty five (35) company inspections of various buildings. Company inspections or pre-plans are very useful in familiarizing firefighters with buildings in their response area.
- 2) Nineteen (19) Fire Department personnel attended a four hour hazardous materials course presented by the Burlington Northern Railroad Billings Region Safety officers.
- 3) Eighteen (18) men attended a flammable liquid and gas fire school (six (6) hours). This was conducted at the Airport C.F.R. Building by the Montana State Fire Services Training school.
- 4) Nine (9) men took a fifteen hour instructor's training course, also presented by the Fire Services Training school.
- 5) Three (3) men passed an officer's training course.
- 6) Eleven (11) men took promotion tests in 1985.
- 7) The Fire Chief and Ass't Chief attended a nine hour seminar in Butte - "Essentials of Command".
- 8) Anhydrous ammonia and pesticides was presented by Simplot Fertilizer Co. of Pocatello. This was attended by three (3) men from the City Fire Department.

Fire Department Training
January 27, 1986
page 2

In addition approximately four hundred fifty hydrants were flowed during the warmer months. All fire pumps were given an annual test and all hose, (20,000 ft.) was tested at 250 psi for five minutes. This is also done annually.

During 1985 thirty six new hudrants were installed, checked for flow and painted.

The City hired one additional firefighter in October of 1985 and three more on January 1, 1986.

We expect a new pumper in February and just received 1000 feet of 5 inch hose.

These improvements will make the Fire Department more efficient and will enable us to serve the public better with less risk to everyone concerned.

Commissioners
Russell J. Ritter, Mayor
Rayleen Beaton
Michael J. DaSilva
Rose Leavitt
Blake J. Wordal

William J. Verwolf
City Manager



Fire Department
Mailing Address:
City-County Admin. Bldg.
316 North Park
Helena, MT 59623
Phone 406/442-9920
Office Location:
Civic Center Building

Fire Chief
Norm Gray

TO: Norm Gray, Fire Chief
FROM: Don Hurni, Mechanic
DATE: January 27, 1986
SUBJECT: 1985 Truck and Equipment Maintenance

Major work on apparatus and equipment is performed by the Fire Department mechanic, and most minor work and preventative maintenance is performed by shift members through daily, weekly and monthly checks.

Following is a breakdown of costs of repairs by vehicle.

Engine 1 - (1975 Seagraves pumper)	\$ 857.00	
Engine 2 - (1980 Hahn)	\$ 491.14	
Engine 3 - (1962 FWD pumper)	\$ 35.23	
Truck 1 - (1976 Sutphen Tower).....	\$ 234.14	
Truck 2 - (1946 Pirsch Ladder).....	-0-	
Squad 1 - (1976 Dodge Rescue).....	\$ 730.00	
Squad 2 - (1979 Chevrolet Rescue).....	\$ 511.09	
#127 - (1980 Ford Sedan Staff).....	\$ 236.18	
#128 - (1980 Ford Sedan Staff).....	\$ 90.41	
#129 - (1980 Ford Pickup Staff).....	\$ 135.15	
#130 - (1985 Ford Pickup Staff).....	\$ 312.43	
Total repairs to motorized vehicles	\$3,633.53	
Total repairs to non-motorized vehicles ..	\$2,419.98	
Total repairs for Fire Department 1985 ...	\$6,053.51	
Total man hours mechanic	324	hours
Total man hours shift personnel	2,012	hours

Commissioners
 Russell J. Ritter, Mayor
 Rayleen Beaton
 Michael J. DaSilva
 Rose Leavitt
 Blake J. Wordal

William J. Verwolf
 City Manager



Fire Department
 Mailing Address:
 City-County Admin. Bldg.
 316 North Park
 Helena, MT 59623
 Phone 406/442-9920
 Office Location:
 Civic Center Building

Fire Chief
 Norm Gray

HELENA FIRE DEPARTMENT

YEARLY FUEL REPORT

(January 1, 1985 to DECEMBER 31, 1985)

<u>VEHICLE</u>	<u>FUEL</u>	<u>MILES</u>	<u>M.P.G.</u>
Engine 1 (Diesel)	441.8 gallons	1307	2.9
Engine 2 (Diesel)	426.6 gallons	2764	6.4
Engine 3 (Gasoline).....	138.2 gallons	453
Squad #1 (Gasoline).....	375.8 gallons	1786	4.7
Squad #2 (Gasoline).....	403.4 gallons	1376	3.4
Truck #1 (Diesel).....	272.3 gallons	794	2.9
Truck #2 (Gasoline).....	37 gallons	43	1.1
#127 Ford (Gasoline).....	287.4 gallons	4384	15.2
#128 Ford (Gasoline).....	293.4 gallons	4299	14.6
#129 Ford Pickup (Gasoline)..	356.2 gallons	3979	11.1
#130 Ford Pickup (Gasoline)..	345.2 gallons	4963	14.3
TOTAL GALLONS OF GASOLINE (NON LEAD).... 1282.2 gallons			
TOTAL GALLONS OF DIESEL			
TOTAL GALLONS OF GASOLINE (REGULAR)			
TOTAL GALLONS OF FUEL			
TOTAL MILES (ALL VEHICLES)..... 25740 miles			
AVERAGE M.P.G. (ALL VEHICLES)			

Commissioners
Russell J. Ritter, Mayor
Rayleen Beaton
Michael J. DaSilva
Rose Leavitt
Blake J. Wordal

William J. Verwolf
City Manager



Fire Department
Mailing Address:
City-County Admin. Bldg.
316 North Park
Helena, MT 59623
Phone 406/442-9920
Office Location:
Civic Center Building

Fire Chief
Norm Gray

BUILDING MAINTENANCE

Members of the Helena Fire Department devote many hours each year to building maintenance. This includes all janitorial work and most minor repairs. Members of the Helena Fire Department take pride in keeping their quarters clean and in good repair.

Following is a breakdown of building maintenance costs and utility costs for both stations from January 1, 1985 to December 31, 1985.

BUILDING MAINTENANCE COSTS:

Station 1	\$ 1,003.87
Station 2	\$ 440.63
Total	\$ 1,444.50

UTILITY COSTS: (1985)

Station 1	
Gas	\$ 4,263.48
Water & sewer	\$ 484.73
Sanitation	\$ 233.58
Station 2	
Electric	\$ 1,898.15
Gas	\$ 2,822.26
Water & Sewer	\$ 706.33
Sanitation	\$ 256.45
Total Utilities	\$10,664.98

JANITORIAL COST: (1985)

Station 1 & Station 2	\$ 739.41
-----------------------------	-----------

MAN-HOURS SPENT IN BUILDING MAINTENANCE - 3,197 hours

Commissioners
Russell J. Ritter, Mayor
Rayleen Beaton
Michael J. DaSilva
Rose Leavitt
Blake J. Wordal

William J. Verwolf
City Manager



Fire Department
Mailing Address:
City-County Admin. Bldg.
316 North Park
Helena, MT 59623
Phone 406/442-9920
Office Location:
Civic Center Building

Fire Chief
Norm Gray

HELENA FIRE DEPARTMENT OPERATIONAL PROCEDURE

IN-CITY ALARMS:

Small fires: Grass, brush, cars, dumpsters, garbage, etc.

Two (2) men - either squad or 1250 pumper
East of Montana - East Side Station
West of Montana - Main Station

Small structure fire: (Initial attack)

East of Montana - Engine 2 and three (3) men
Engine 1 and two (2) men

West of Montana - Engine 1 and three (3) men
Engine 2 and two (2) men

Extra man - Truck 1

Large structure fire: (Initial attack)

East of Montana - Engine 2 and three (3) men
Engine 1 and two (2) men
Truck 1 and one (1) man

West of Montana - Engine 1 and two (2) men
Truck 1 and one (1) man
Engine 2 and three (3) men

MUTUAL AID:

East Helena:

Engine 2 and two (2) men (Call in two (2) men to standby)

West Valley:

Engine 2 and two (2) men (Call in two (2) men to standby)

Operational Procedure

Fire District #3:

Engine 1 and three (3) men (Squad 2 and Engine 2 move to Main Station if working fire)

V.A. Hospital:

Engine 1 and three (3) men (Squad 2 and Engine 2 move to Main Station if working fire)

(Call in three (3) men to standby if working fire)

Highway Shops:

Engine 1 and three (3) men (Squad 2 and Engine 2 move to Main Station if working fire)

(Call in three (3) men to standby if working fire)

Fairgrounds:

Engine 1 and three (3) men (Squad 2 and Engine 2 move to Main Station if working fire)

(Call in three (3) men to standby if working fire)

If additional help is needed call Police desk and instruct dispatcher how many men will be needed. If only one shift is needed call in shift which was relieved.

Commissioners
Russell J. Ritter, Mayor
Rayleen Beaton
Michael J. DaSilva
Rose Leavitt
Blake J. Wordal

William J. Verwolf
City Manager



Fire Department
Mailing Address:
City-County Admin. Bldg.
316 North Park
Helena, MT 59623
Phone 406/442-9920
Office Location:
Civic Center Building

Fire Chief
Norm Gray

FIRE PROTECTION CONTRACTS

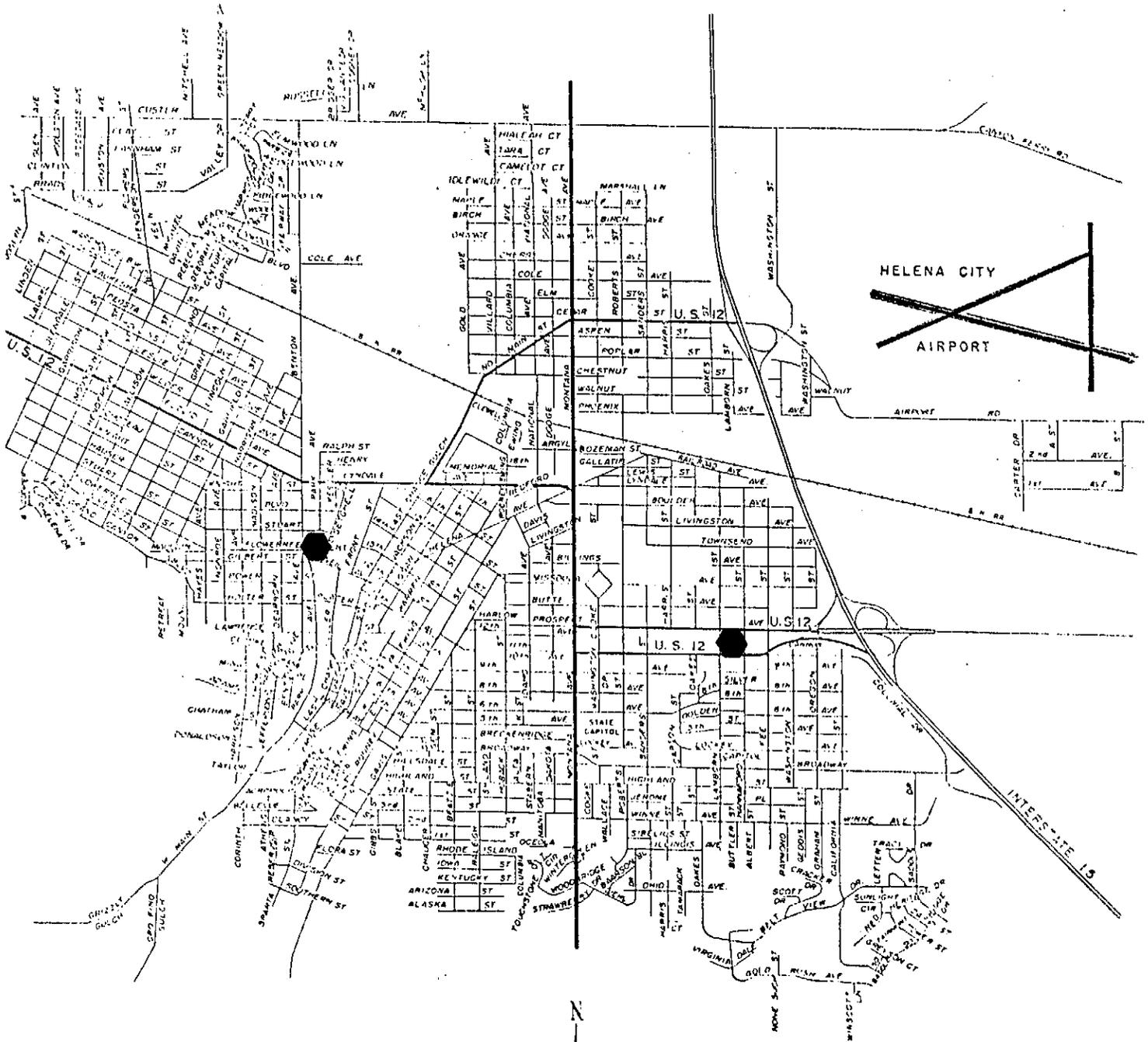
At the present time the City of Helena has several Fire Protection contracts with areas outside the city limits. These include the Veteran's Administration Hospital, the County Fairgrounds, the State Highway Shops, and the area west of the city which is Fire District #3. We cover these areas with one (1) pumper and three (3) men. The cost of the fire protection for these areas is computed by taking the valuation based on fire insurance and multiplying that figure by mill levy necessary for operating the Helena Fire Department. The cost for taxpayers in the fire district is computed on the same basis as the people who live in the city limits. The private protection contracts are re-negotiated each year after it is determined what the operational budget for the Helena Fire Department is.

Following is a breakdown of the money received by the City of Helena from these contracts:

VETERAN'S ADMINISTRATION HOSPITAL	\$22,999.82
COUNTY FAIRGROUNDS	\$ 2,947.63
HIGHWAY SHOPS	\$ 1,656.73
FIRE DISTRICT #3	<u>\$34,314.00</u>
TOTAL	\$61,918.18

The Helena Fire Department also has two (2) Mutual Aid contracts. These contracts are with the West Helena Valley Volunteer Fire Department and the East Helena Volunteer Fire Department. These contracts state that in the event of a large fire, the Helena Fire Department would receive one (1) pumper and ten (10) men from each fire department for a total of two (2) pumpers and twenty (20) men. If either of the volunteer fire departments should need our help, we are obligated to send one (1) pumper and two (2) men.

MAP OF HELENA



WEST OF MONTANA

Fires - 133
 EMT - 353
 Misc. - 163
 Total - 649

EAST OF MONTANA

Fires - 71
 EMT - 141
 Misc. - 95
 Total - 307

TOTAL CALLS BOTH EAST AND WEST SIDE - 956

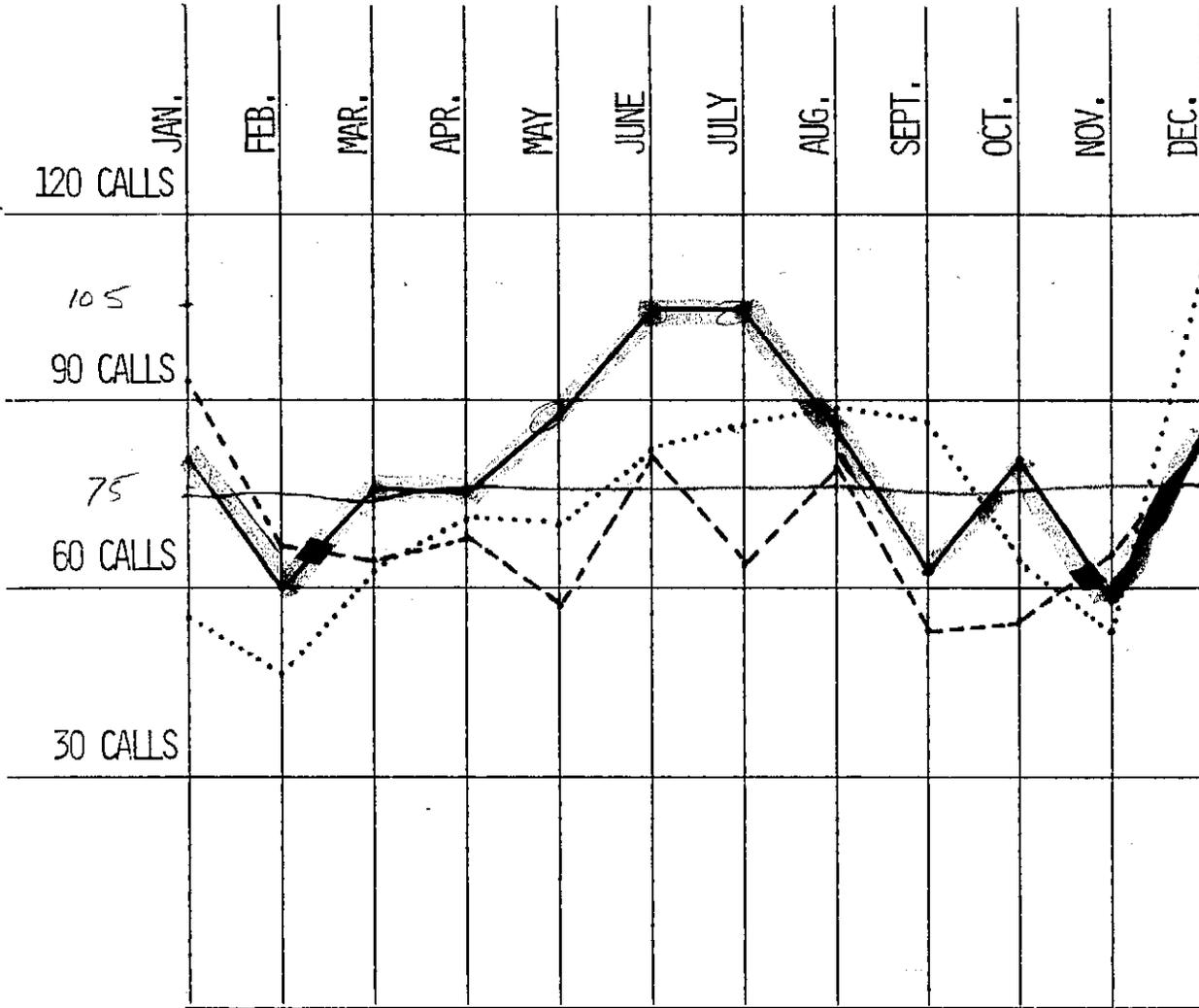
Commissioners
 Russell J. Ritter, Mayor
 Rayleen Beaton
 Michael J. DaSilva
 Rose Leavitt
 Blake J. Wordal

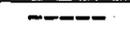
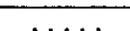
William J. Verwolf
 City Manager



Fire Department
 Mailing Address:
 City-County Admin. Bldg.
 316 North Park
 Helena, MT 59623
 Phone 406/442-9920
 Office Location:
 Civic Center Building

Fire Chief
 Norm Gray



CALLS PER MONTH OF YEAR - 1985 
 CALLS PER MONTH OF YEAR - 1984 
 CALLS PER MONTH OF YEAR - 1983 

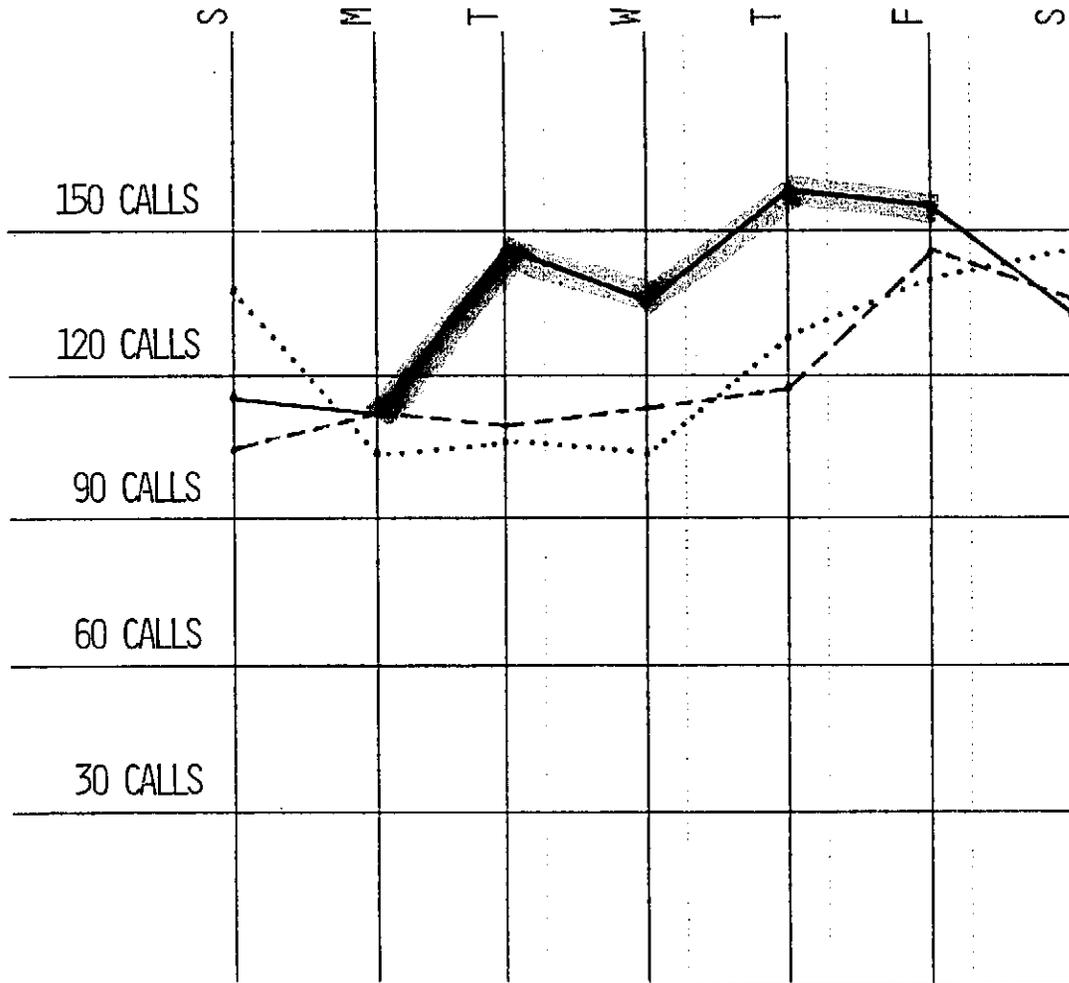
Commissioners
 Russel J. Ritter, Mayor
 Rayleen Beaton
 Michael J. DaSilva
 Rose Leavitt
 Blake J. Wordal

William J. Verwolf
 City Manager



Fire Department
 Mailing Address:
 City-County Admin. Bldg.
 316 North Park
 Helena, MT 59623
 Phone 406/442-9920
 Office Location:
 Civic Center Building

Fire Chief
 Norm Gray



CALLS PER DAY OF WEEK - 1985 ———
 CALLS PER DAY OF WEEK - 1984 - - - - -
 CALLS PER DAY OF WEEK - 1983 ·····

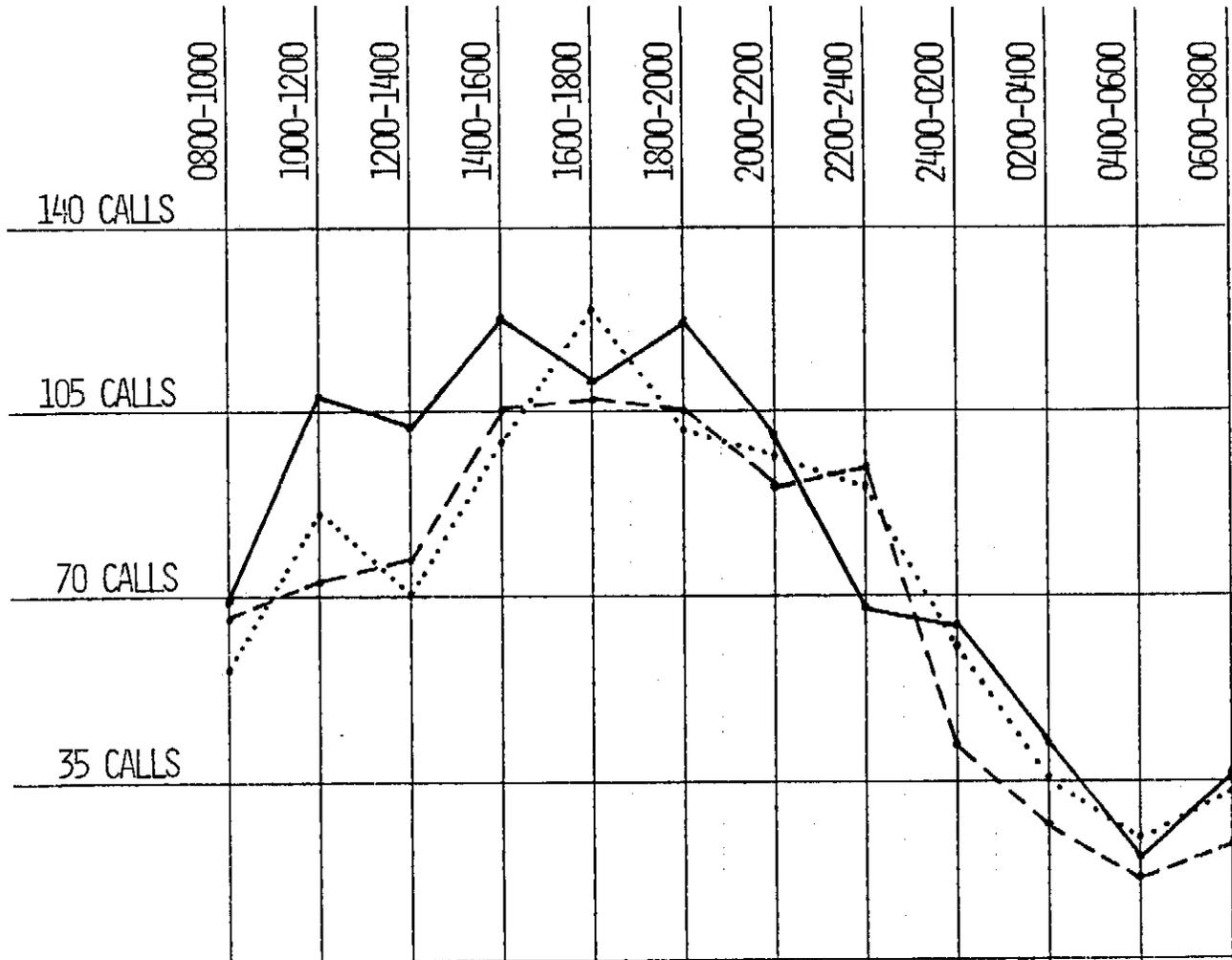
Commissioners
 Russell J. Ritter, Mayor
 Rayleen Beaton
 Michael J. DaSilva
 Rose Leavitt
 Blake J. Wordal

William J. Verwolf
 City Manager



Fire Department
 Mailing Address:
 City-County Admin. Bldg.
 316 North Park
 Helena, MT 59623
 Phone 406/442-9920
 Office Location:
 Civic Center Building

Fire Chief
 Norm Gray



CALLS PER HOUR OF DAY - 1985 —————
 CALLS PER HOUR OF DAY - 1984 - - - - -
 CALLS PER HOUR OF DAY - 1983 ······

