

Moorhead Fire Department

1977

Annual Fire Report

Moorhead Fire Department

1120 - 1st AVENUE NORTH
MOORHEAD, MINNESOTA 56560
PHONE 236-6542

GARFIELD F. ANDERSON
Fire Chief

R. DONALD DAWSON
Ass't Fire Chief

LT. MARLAN ANDERSON
Fire Prevention Bureau

January 1, 1978



To the Honorable Mayor and
Members of the City Council
Moorhead, Minnesota

Dear Council Members:

The 1977 Fire Department Annual Report represents the combined efforts and cooperation of all members of this Department.

The total fire loss for 1977 amounted to \$ 90,371.00. This is a decrease of \$ 56,701.00, or 62% less than in 1976. The total number of alarms answered in 1977 was 415, an increase over last year of 23%. Of this increase in the number of alarms, part is due to the more involvement in the Emergency Medical Services that we now provide. These services increased to 79 runs, as compared to 24 runs in 1976.

There were no fire deaths in Moorhead in 1977.

Some of the high-lites of the past year are as follows:

- a. January 28, 1977 we assisted the Breckenridge Fire Fire Dept. in fighting a hotel fire in which 16 persons loss their lives.
- b. March 7, 1977 Maurice W. Fisher was found guilty of arson in the Farmers Home Grocery fire in 1976. He was sentence to 5 years in prison.
- c. Our Blood Pressure Screening Program of 1977 increased by 20% over 1976. A total of 978 tests were given by our Emergency Medical Technicians in 1977.
- d. In 1977 six more Firefighters completed the 81 hours E.M.T. course. This brings our total number of Emergency

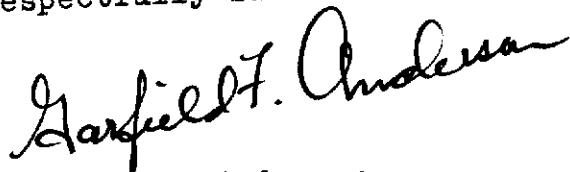
Medical Technicians to 18 that we have on the Department. Six more Firefighters are now taking the course.

- e. On August 29th we took delivery of a new 4 wheel drive GMC, with a Emergency One Rescue Box. This replaces old 908, a 1960 Ford Van.
- f. October 1, 1977 was a big day, after waiting 3 years for the new 85' Sutphen aerial platform to arrive.
- g. In June 1977 the addition of a Dorm, Bath, and storage area was completed on the Southside Station, at a cost of \$ 55,000.00
- h. Just before Christmas, the Clay County Safety Council, gave 10 smoke detectors to needy families and the men of the Fire Dept. installed them.

The Fire Prevention report and Training report are stated separately in this annual report.

This report also conveys thank you to the Mayor and the City Council, and a special thank you to Mr. Kiefer and members of the Public Safety Committee, for their help and direction they have given to me and the Fire Department, in the past year.

Respectfully submitted,



Garfield F. Anderson
Fire Chief

Moorhead Fire Department

1120 - 1st AVENUE NORTH
MOORHEAD, MINNESOTA 56560
PHONE 236-6542



GARFIELD P. ANDERSON
Fire Chief

MORRIS KELSVEN
Asst. Fire Chief

LT. MARLAN ANDERSON
Fire Prevention Bureau

FIRE PREVENTION REPORT

JANUARY 1, 1977 through DECEMBER 31, 1977

FIRE PREVENTION BUREAU MAN HOURS ON FIELD INSPECTIONS	<u>2,450</u>
FIRE PREVENTION BUREAU INSPECTIONS	<u>1,014</u>
VIOLATIONS	<u>394</u>
CORRECTIONS	<u>327</u>

TIME SPENT IN THE FOLLOWING AREAS:

MEETINGS & CONFERENCES	<u>65 hrs.</u>
SCHOOLS	<u>70 hrs.</u>
FIRE INVESTIGATIONS	<u>32 hrs.</u>
FIRE SAFETY CLASSES	<u>58 hrs.</u>
FIRE DEPT. DUTIES	<u>38 hrs.</u>

SUBMITTED BY:

Marlan Anderson

Lt. Marlan Anderson
Fire Prevention Bureau
Moorhead, Minnesota

MA/pf

January 4, 1978

Moorhead Fire Department

1120 - 1st AVENUE NORTH
MOORHEAD, MINNESOTA 56560
PHONE 236-6542



GARFIELD F. ANDERSON
Fire Chief

MORRIS KELSVEN
Asst. Fire Chief

LT. MARLAN ANDERSON
Fire Prevention Bureau

Adult education in the line of Fire Prevention was offered this year in September. Topics offered were: Fire Prevention, Night Escape, Fire Extinguishers, Detectors and Home Safety. And through a short term rental basis, we were able to obtain a number of good films (which are very beneficial as learning aids) covering the above topics from the North Dakota State University film library. Here is a brief explanation of the topics:

Fire Prevention: Here we just go over general house-keeping and the correct way of storing paints, fuels and flammables in the home.

Night Time Escape: Discussion on what to do if there is a fire in your house or in a hotel and how important it is to have a second way out.

Fire Extinguishers: Instruction given to the individual on the use and types of extinguishers. Also a burn pan was used to allow individuals to use different extinguishers on different types of fires.

Detectors: Classroom demonstration on the principle of detectors. Also how they work and where the best places are to install.

Home Safety: Discussion on every day home safety that most people never think about (for instance, electric appliances, can openers, electric knives, ect. should never be used around the sink.)

In the coming year I would like to continue with the films and the talks and I would like to have some experiments as to what causes fire and what different things that support fire. That would be informative to the people and would also help in stressing the dangers of fires.

Respectfully submitted

Dolan Rasmussen

Moorhead Fire Department

1120 - 1st AVENUE NORTH
MOORHEAD, MINNESOTA 56560
PHONE 236-6542



GARFIELD F. ANDERSON
Fire Chief

MORRIS KELSVEN
Ass't. Fire Chief

LT. MARLAN ANDERSON
Fire Prevention Bureau

TRAINING REPORT 1977

In 1977 our Department totaled 729 hours of instruction consisting of evolutions and classroom training. The training was given to each of our three shifts, with each shift receiving around 243 hours. The breakdown of this training is as follows:

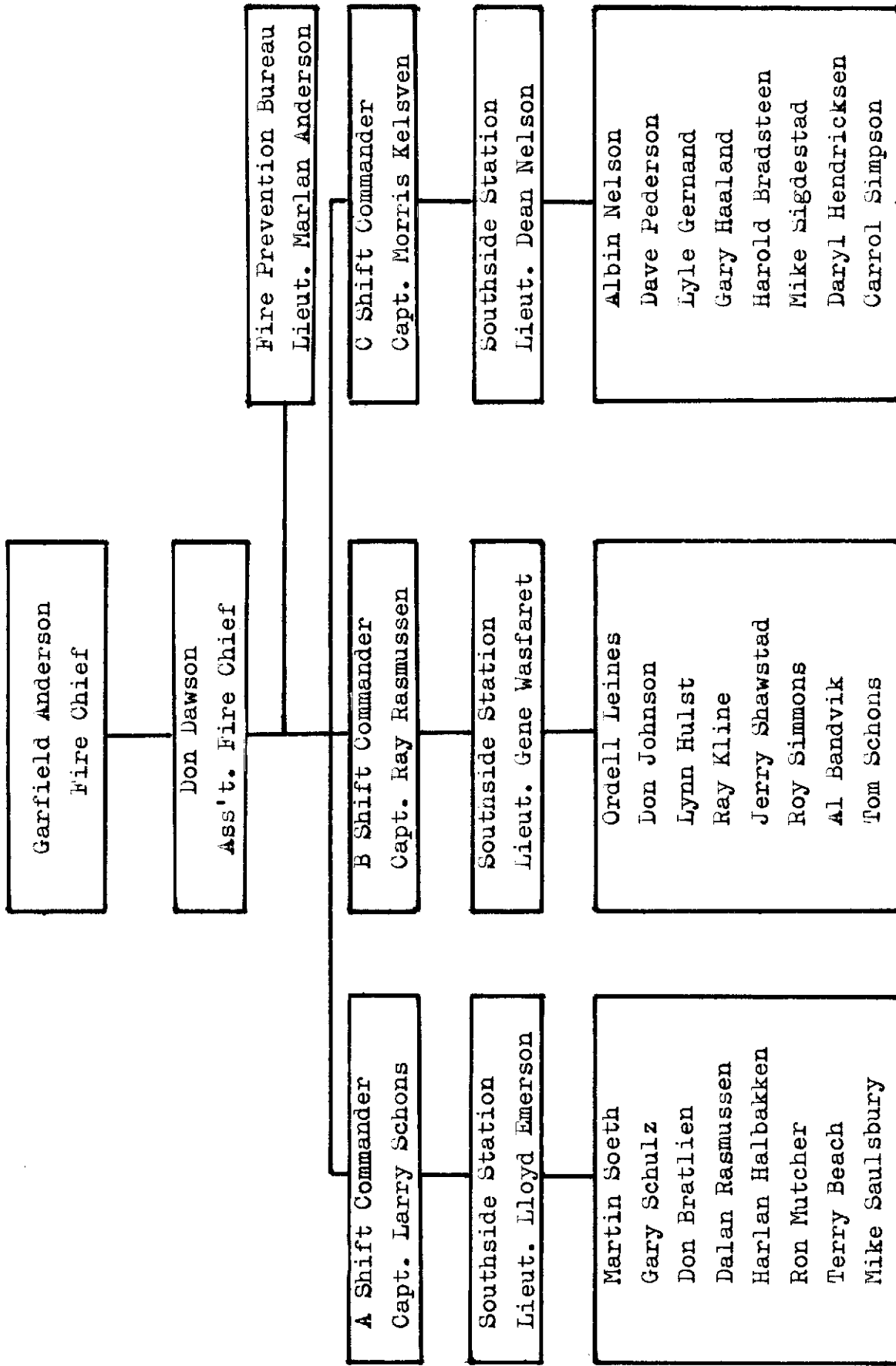
First Aid	124 hours
Pre-planning Company Inspections	96 hours
Pumps	96 hours
Practice Fires (House burning)	30 hours
C P R Class	12 hours
General Firemanship (State Instructor) .	24 hours
Aerial Practice (Sutphen)	90 hours
Class on Light Water	12 hours
Class on Fire & Plastics	9 hours
Airport Crash Simulation	8 hours
Ladders	12 hours
Discussion on Memphis Conference	12 hours
C I M Course (State Instructor)	120 hours
Film on Physical Fitness	6 hours
Classroom discussion on Fires	18 hours
Fire Streams	18 hours
Misc	<u>42 hours</u>
Total	729 hours

The 729 hours shown here are actual hours of training, therefore to arrive at the manhours we would have to multiply by 10, as there is 10 men on each shift, and we would come up with 7,290 man hours of training. In addition to this training we have a mandatory physical fitness program where each firefighter is required to do one hour of physical fitness each day, which we feel is equally as important as our training, as it makes our department more physically fit and better able to perform its firefighting duties. This report does not take into consideration the on the job training given by each officer to the men who work on his shift, as it is his responsibility to see that each man under his command continually practices and masters the requirements needed to be a good firefighter.

Respectfully submitted,

Morris R. Kelsven
Morris R. Kelsven

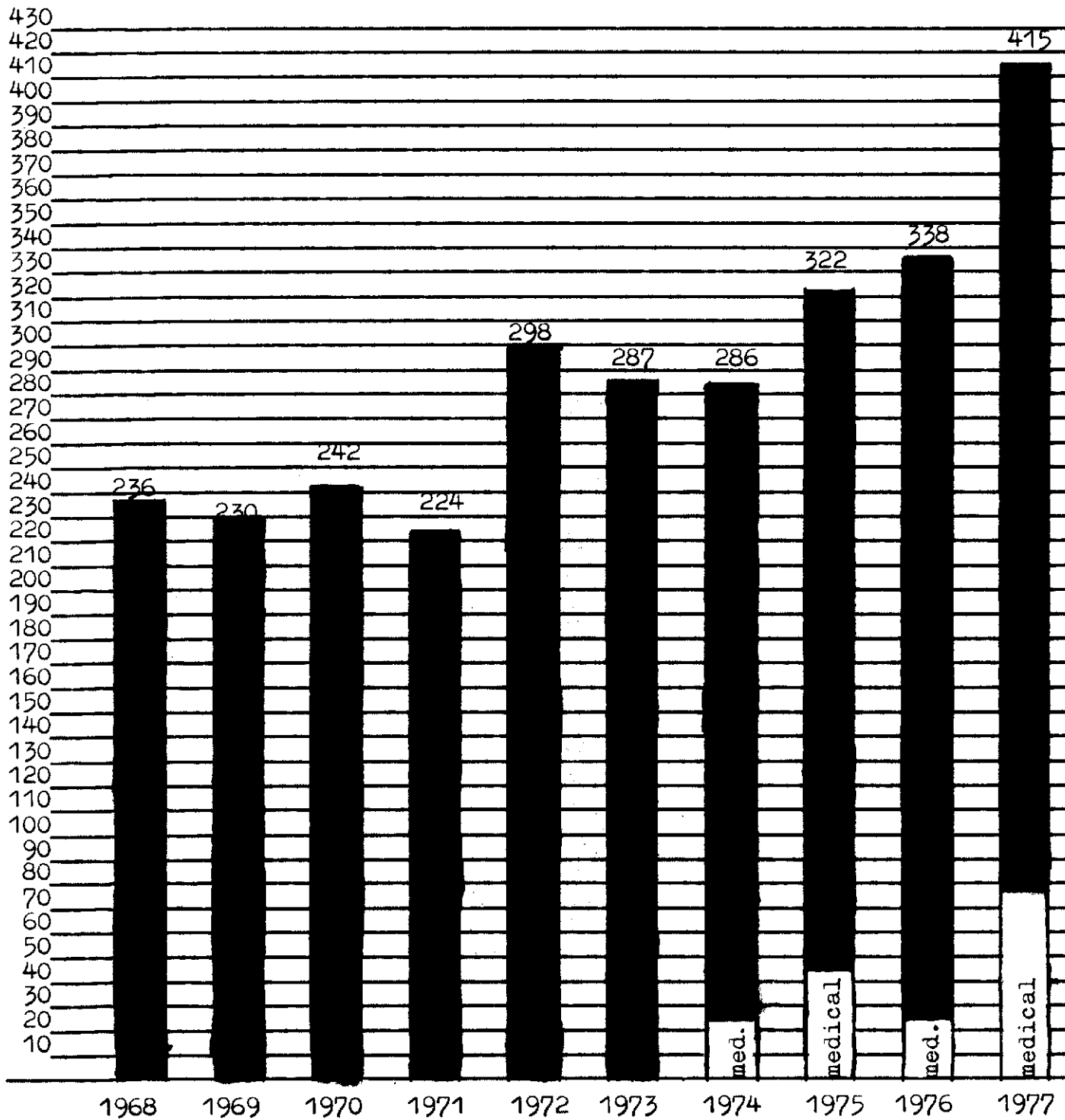
1978 Moorhead Fire Department Personal



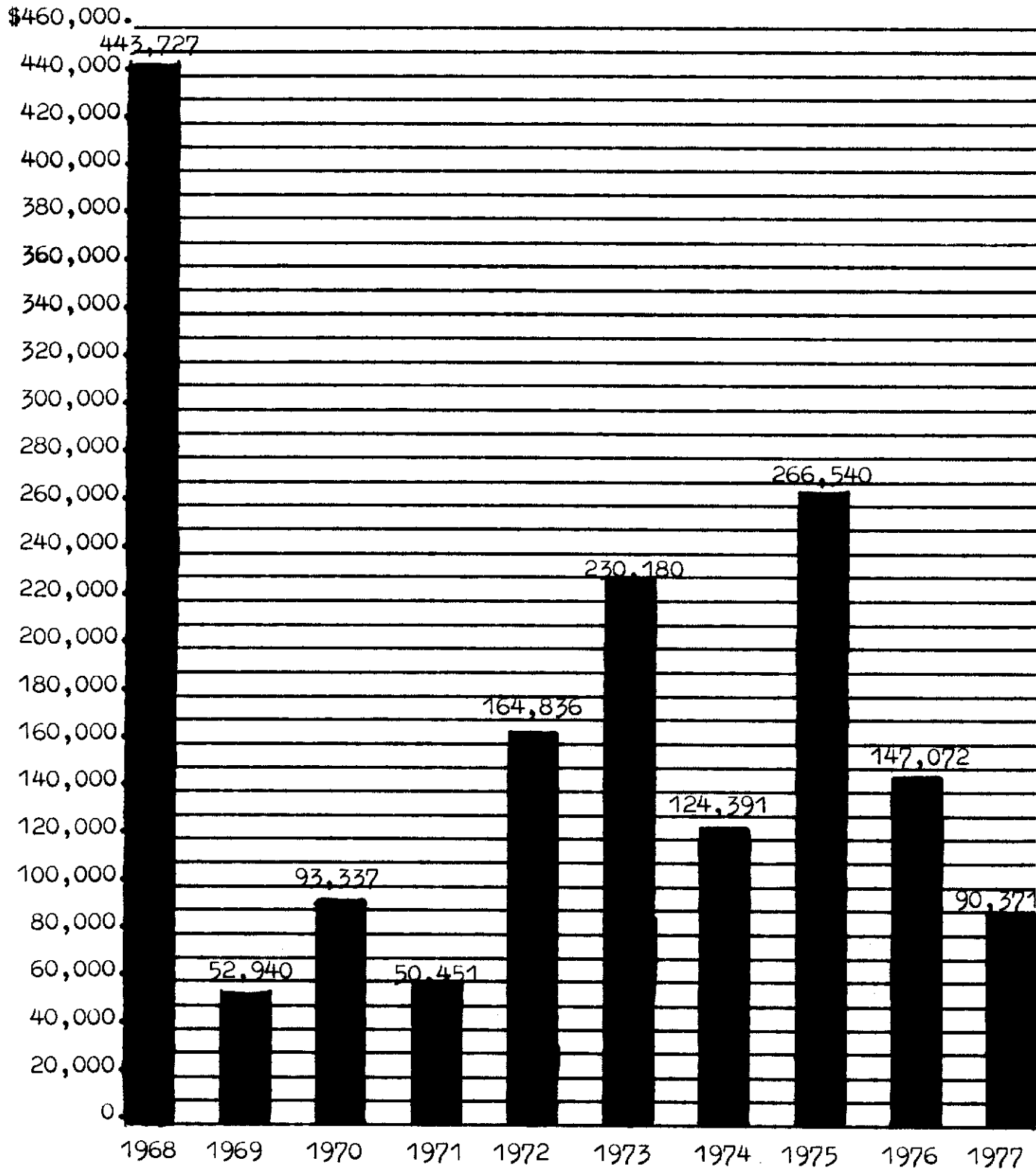
Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Public Assembly		1	1	1						2		2	7
Education	3	2		2						1	1	2	11
Institution		2	1		1	1		2				1	8
Residence Dwelling	7	2	7	8	5	6	7	6	3	4	10	12	76
Residence Apartment	2	4	2	1	4	8	9	11	13	6	6	11	77
Mercantile Stores	1		3	2	2	1	3	3	1	1	2	2	21
Offices		1	1	1					1			2	6
Utilities													0
Industrial Manufacture	1				1	1	2	1	2		1	4	13
Storage			2		1		1			1	1		6
Special Properties	1	1		9	5	5	3	4	2	3	2	1	36
Mobile Vehicles	5		2	4	9	5	1	4	3	9	5	5	52
Medical First aid	1	4	4	5	14	6	8	4	7	4	8	14	79
Rescue			1					1		1	1	2	6
Investigate	2								3				5
False alarm				1	1		2			1		1	6
Bomb scares	1		1						1				3
Mutual aid	2							1					3
Total Alarms	26	17	25	33	43	32	37	36	37	32	38	59	415
Injurys	2		1	1								1	5
Deaths													0
Total Fire loss	17,295.	350.	3,100.	4,139.	3,775.	3,550.	2,880.	295.	1,550.	23,350.	1,050.	29,117.	90,371.

Report of the number of alarms and the total dollar amount of fire loss within the City of Moorhead for 1977.

Number of alarms for Moorhead for the last 10 years.















Fire loss for Moorhead for the past 10 years.



1977 Fire Calls

Number of alarms per month

January		26
Feburary		17
March		25
April		33
May		43
June		32
July		37
August		36
September		37
October		32
November		38
December		<u>59</u>
	Total calls	415

1977 Fire Calls

Number of alarms per day of week

Day	Number of Alarms	Total Calls
Sundays	55	Total calls 415
Monday	61	
Tuesday	54	
Wednesday	60	
Thursday	60	
Friday	69	
Saturday	57	

1977 Fire Calls

Number of alarms at time of day

0000 - 0100	██████████	8
0100 - 0200	██████████████	11
0200 - 0300	██████████	6
0300 - 0400	██████████	7
0400 - 0500	██████████	8
0500 - 0600	██████████	5
0600 - 0700	██████████████	9
0700 - 0800	██████████████	12
0800 - 0900	██████████████████	21
0900 - 1000	██████████████████	19
1000 - 1100	██████████████████	26
1100 - 1200	██████████████████	28
1200 - 1300	██████████████	20
1300 - 1400	██████████████	21
1400 - 1500	██████████████████	32
1500 - 1600	██████████████████	27
1600 - 1700	██████████████	26
1700 - 1800	██████████████	22
1800 - 1900	██████████████	19
1900 - 2000	██████████████	15
2000 - 2100	██████████████	20
2100 - 2200	██████████████	16
2200 - 2300	██████████████	22
2300 - 2400	██████████████	<u>15</u>
	Total calls	415

Chiefs copy

MOORHEAD FIRE DEPARTMENT RELIEF ASSOCIATION
 QUARTERLY FINANCIAL REPORT AS OF 31 December 1977 4th QTR

GENERAL FUND BALANCE BEGINNING THIS QUARTER	\$	zero
SPECIAL FUND BALANCE BEGINNING THIS QUARTER	\$	<u>3,658.69</u>
RECEIPTS THIS QUARTER: 10/11/77 City of Moorhead.....		2,449.45
<u>11/3/77 City of Moorhead (Oct)</u>	\$	<u>2,428.11</u>
<u>11/16/77 City of Moorhead (Inn. 25)</u>	\$	<u>33,206.11</u>
<u>12/2/77 City of Moorhead (Nov)</u>	\$	<u>2,437.22</u>
<u>12/30/77 City of Moorhead (Dec)</u>	\$	<u>2,865.64</u>
<u>12/30/77 City of Moorhead (Mill)</u>	\$	<u>7,025.74</u>
<u>12/30/77 First Federal Fargo</u>	\$	<u>384.95</u>
TOTAL RECEIPTS THIS QUARTER	\$	<u>50,797.22</u>
DISBURSEMENTS THIS QUARTER:		
<u>Investments Purchased</u>	\$	<u>35,000.00</u>
<u>Retirements</u>	\$	<u>8,127.69</u>
<u>VFBA</u>	\$	<u>471.00</u>
<u>Miscellaneous</u>	\$	<u>5.00</u>
TOTAL DISBURSEMENTS THIS QUARTER	\$	<u>43,603.69</u>
GENERAL FUND BALANCE END THIS QUARTER	\$	zero
SPECIAL FUND BALANCE END THIS QUARTER	\$	<u>10,852.22</u>
#1 CASH BALANCE FOR CHECKING END THIS QUARTER	\$	<u>10,852.22</u>

		<u>BOOK VALUE</u>	<u>MARKET VALUE</u>
#2 GOVERNMENT BONDS	\$	<u>50,093.75</u>	\$ <u>48,781.00</u>
#3 GOVERNMENT AGENCIES	\$	<u>200,062.50</u>	\$ <u>195,687.50</u>
#4 CORPORATE BONDS	\$	<u>371,856.85</u>	\$ <u>358,406.25</u>
#5 STOCK MARKET	\$	<u>105,396.46</u>	\$ <u>86,636.88</u>
#6 SAVING ACCOUNTS	\$	<u>156,691.78</u>	\$ <u>156,691.78</u>
#7 PRINCIPAL ACCOUNT BALANCE.....	\$	<u>575.90</u>	\$ <u>575.90</u>
#8 INCOME CASH BALANCE	\$	<u>-190.95</u>	\$ <u>-190.95</u>
#9	\$		\$
TOTAL WORTH END THIS QUARTER (LINES 1-9) \$		<u>895,338.51</u>	\$ <u>857,440.58</u>
INCREASE OVER LAST QUARTER	\$	<u>57,589.65</u>	\$ <u>90,215.43</u>
DECREASE FROM LAST QUARTER	\$		\$

RESPECTFULLY SUBMITTED,

David M. Pederson TREASURER

Fire Department Personnel

1977

Garfield F. Anderson, Fire Chief

Birthday: April 18, 1927

Date of entrance to Fire Department: June 4, 1948 (29yrs. 7mo.)

Date of appointed to Lieutenant: January 1, 1954

Date appointed to Captain: November 1, 1958

Date appointed to Assistant Fire Chief: January 1, 1970

Date appointed to Fire Chief: June 1, 1974

R. Donald Dawson, Assistant Fire Chief

Birthday: November 19, 1926

Date of entrance to Fire Department: July 7, 1952 (25yrs. 6mo.)

Date appointed to Lieutenant: November 1, 1958

Date appointed to Captain; January 1, 1970

Date appointed to Assistant Fire Chief: January 15, 1978

Raymond L. Rasmussen, Captain

Birthday: August 9, 1921

Date of entrance to Fire Department: November 5, 1952 (25yrs. 2mo.)

Date of appointed to Lieutenant: December 15, 1964

Date appointed to Captain: January 1, 1970

Larry Schons, Captain

Birthday: March 3, 1929

Date of entrance to Fire Department: April 15, 1957 (20yrs. 9mo.)

Date appointed to Lieutenant: August 1, 1969

Date appointed to Captain: February 1, 1970

Morris Kelsven, Captain

Birthday: October 28, 1935

Date of entrance to Fire Department: October 31, 1958 (19yrs. 2mo.)

Date appointed to Lieutenant: January 1, 1970

Date appointed to Assistant Fire Chief: July 1, 1974

Date returned to Captain: January 15, 1978

Gene Wasfaret, Lieutenant

Birthday: May 26, 1937

Date of entrance to Fire Department: June 9, 1959 (18yrs. 7mo.)

Date appointed to Lieutenant: February 1, 1970

Dean Nelson, Lieutenant

Brithday: June 4, 1934

Date of entrance to Fire Department: August 15, 1961 (15yrs 5mo.)

Date appointed to Lieutenant: January 1, 1974

Lloyd Emerson, Lieutenant

Birhtday: January 19, 1940

Date of entrance to Fire Department: February 1, 1962 (15yrs. 11mo)

Date appointed to Lieutenant: July 1, 1974

National Registry of Emergency Medical Techicians: June 20, 1972

Marlan Anderson, Lieutenant (Fire Prevention Bureau)

Birthday: May 12, 1936

Date of entrance to Fire Department: February 1, 1966 (11yrs 11mo.)

Date appointed to Lieutenant: March 15, 1974

Ordell Leines, Firefighter

Birthday: June 30, 1936

Date of entrance to Fire Department: February 1, 1962 (15yrs. 11mo.)

National Registry of Emergency Medical Techicians: January 22, 1974

Martin Soeth, Firefighter

Birthday: January 7, 1938

Date of entrance to Fire Department: May 1, 1962 (15yrs. 8mo.)

National Registry of Emergency Medical Technicians: January 22, 1974

Registered Scuba Diver: September 1, 1975

Albin Nelson, Firefighter

Birthday: November 18, 1936

Date of entrance to Fire Department: September 15, 1962 (15yrs.4mo.)

Donald O. Johnson, Firefighter

Birthday: October 20, 1941

Date of entrance to Fire Department: January 1, 1964 (14yrs.)

National Registry of Emergency Medical Technicians: December 31, 1974

David Pederson, Firefighter

Birthday: March 23, 1942

Date of entrance to Fire Department: January 1, 1965 (13yrs.)

National Registry of Emergency Medical Technicians: June 20, 1972

Gary Schulz, Firefighter

Birthday: August 4, 1942

Date of entrance to Fire Department: August 1, 1969 (8yrs. 5mo.)

National Registry of Emergency Medical Technicians: December 31, 1974

Lynn Hulst, Firefighter

Birthday: November 9, 1944

Date of entrance to Fire Department: April 1, 1970 (7yrs. 7mo.)

Minn. Registry of Emergency Medical Technicians: November 28, 1975

Donald Bratlien, Firefighter

Birthday: April 12, 1943

Date of entrance to Fire Department: August 1, 1970 (7yrs 5mo.)

National Registry of Emergency Medical Technicians: December 31, 1976

Lyle Gernand, Firefighter

Birthday: April 24, 1946

Date of entrance to Fire Department: August 1, 1970 (7yrs. 5mo.)

National Registry of Emergency Medical Technicians: March 1977

Gary Haaland, Firefighter

Birthday: September 30, 1942

Date of entrance to Fire Department: August 1, 1970 (7yrs. 5mo.)

National Registry of Emergency Medical Technicians: December 31, 1976

Raymond Kline, Firefighter

Birthday: September 18, 1942

Date of entrance to Fire Department: August 1, 1970 (7yrs. 5mo.)

National Registry of Emergency Medical Technicians: December 31, 1976

Ronald Mutchler, Firefighter

Birthday: March 12, 1949

Date of entrance to Fire Department: August 1, 1970 (7yrs. 5mo.)

National Registry of Emergency Medical Technicians: March 1976

Dalan Rasmussen, Firefighter

Birthday: January 22, 1947

Date of entrance to Fire Department: August 1, 1970 (7yrs. 5mo.)

National Registry of Emergency Medical Technicians: December 31, 1974

Jerry Shawstad, Firefighter

Birthday: September 5, 1942

Date of entrance to Fire Department: August 1, 1970 (7yrs. 5mo.)

National Registry of Emergency Medical Technician: March 1977

Harlan Halbakken, Firefighter

Birthday: September 28, 1943

Date of entrance to Fire Department: March 1, 1971 (6yrs. 10mo.)

National Registry of Emergency Medical Technician: March 1977

Harold Bradsteen, Firefighter

Birthday: May 15, 1942

Date of entrance to Fire Department: August 1, 1972 (5yrs. 5mo.)

National Registry of Emergency Medical Technicians May 1977

Mike Sigdestad, Firefighter

Birthday: December 11, 1950

Date of entrance to Fire Department: February 1, 1974 (3yrs. 11mo.)

Minn. Registry of Emergency Medical Technicians: November 28, 1975

Roy Simmons, Firefighter

Birthday: December 10, 1951

Date of entrance to Fire Department: July 1, 1974 (3yrs. 6mo.)

National Registry of Emergency Medical Technician: May 1977

Albert Bandvik, Firefighter

Birthday: September 18, 1948

Date of entrance to Fire Department: July 15, 1975 (2yrs 6mo.)

Terry Beach, Firefighter

Birthday: May 11, 1950

Date of entrance to Fire Department: July 15, 1975 (2yrs. 6mo.)

National Registry of Emergency Medical Technician: May 1977

Daryl Hendricksen, Firefighter

Birthday: May 20, 1953

Date of entrance to Fire Department: July 15, 1975 (2yrs. 6mo.)

National Registry of Emergency Medical Technician: March 1976

Mike Saulsbury, Firefighter

Birthday: August 19, 1950

Date of entrance to Fire Department: July 15, 1975 (2yrs. 6mo.)

Thomas Schons, Firefighter

Birthday: June 14, 1952

Date of entrance to Fire Department: July 15, 1975 (2yrs. 6mo.)

Carroll Simpson, Firefighter

Birthday: December 25, 1945

Date of entrance to Fire Department: July 15, 1975 (2yrs. 6mo.)

LAST SPRING fire in a Kentucky nightclub killed 164 people. Most of the people fire kills die in their homes. Within the next hour it's likely that more than 300 destructive fires will occur, at least one person will be killed, and others will be crippled or disfigured.

What if fire breaks out in your house? Can you count on your local fire department for prompt, effective help? Can it give you the protection you need?

Unfortunately, shiny fire trucks, freshly painted hydrants and a well-groomed dalmatian don't tell you much, and there are no generally accepted measuring sticks for you to apply. The only widely used rating system is the Insurance Services Office grading schedule that insurance companies use to compute how much to charge for fire insurance in all states except Hawaii, Idaho, Louisiana, Mississippi, North Carolina, Texas and Washington. In Texas a state commission handles that task; in the other non-ISO states and the District of Columbia there are independent rating bureaus.

The ISO system rates community fire protection on a one-to-ten scale. A local fire official or your insurance agent should be able to tell you what your community's ISO grade is, but even that won't necessarily tell you how good your fire protection is.

For one thing, the factors that count most in determining the ISO grading are your town's water supply and its fire fighting equipment and manpower. Those are mainly suppression factors. That is, they indicate capacity to put out a fire once it has started. The grading system pays much less attention to fire prevention and none at all to fire frequency, fire loss and fire casualties. Loss experience is considered in addition to grade in setting insurance premiums, and large cities with sufficient data are rated on loss experience alone.

Generally, insurance companies are more interested in commercial properties than in private homes because that's where the big dollar losses occur. Most fire deaths and injuries, on the other hand, occur in homes. As a result, it is not uncommon for places with high ISO grades to have higher home losses than areas with low grades.

Questions you can ask

Most dwellings are pretty much alike, and they can be protected by a limited amount of fire fighting manpower and equipment. Simply adding

Sizing up your local fire department



more manpower and more equipment does not necessarily result in better fire protection. Nevertheless, there are some questions to ask that might help you decide whether your local fire protection is adequate and whether your community is getting the best protection it can afford.

How many firemen do you have? A survey last year by the International City Management Association showed a national average of 16.7 full-time, paid fire service personnel for every 10,000 people protected in cities of 10,000 or more. Cities of