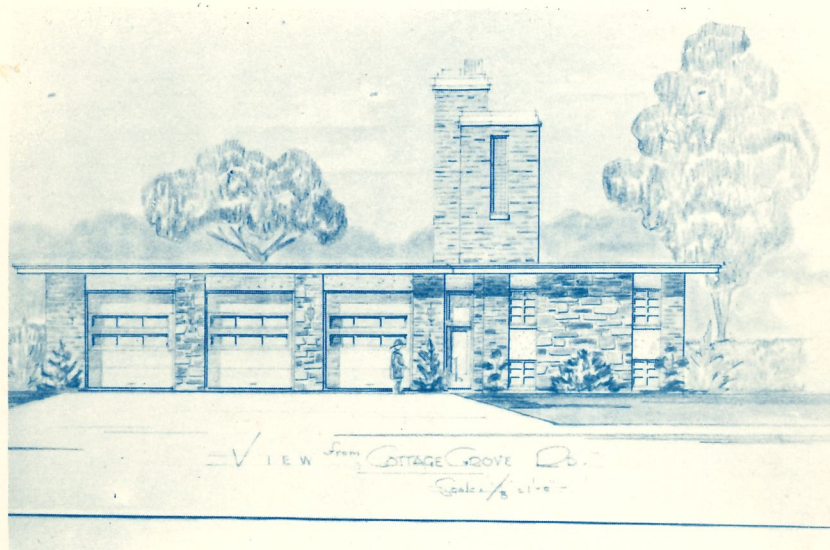


7

MADISON FIRE DEPARTMENT

Annual Report



Station No. 5

1 9 6 3

CHIEF RALPH A. MCGRAW



Wm. F. Lynaugh
Asst Chief



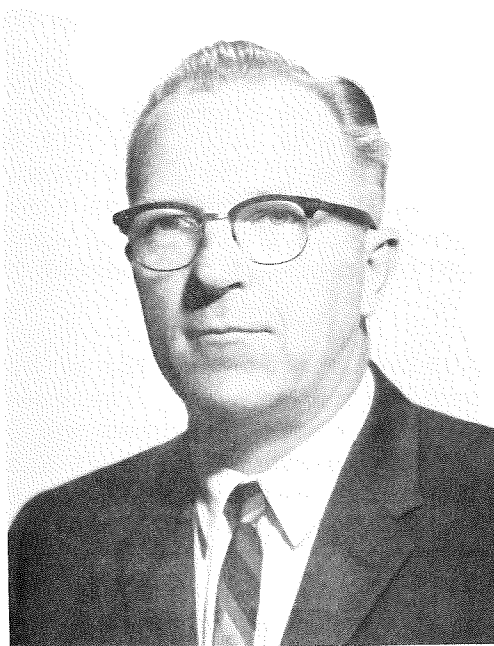
John E. Huston
Asst Chief



Harold O. Muenkel
Asst Chief



Henry W. Anderson
Deputy Chief



Ralph A. McGraw
Chief



Joseph F. Buechner
Deputy Chief



George L. Stanek
Capt Fire Prev. Bur.



James C. Olson
Capt Master Mech.



Maurice T. Nason
Capt Training Bur.

Mayor Henry E. Reynolds,
Members of the Common Council,
Board of Police and Fire Commissioners

Gentlemen:

The 107th Annual Report of the Madison Fire Department is presented for the year ending December 31, 1963.

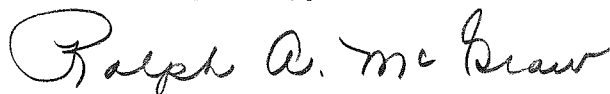
In submitting my first Annual Report I want to express my gratitude and appreciation to the members of the Police and Fire Commission for their expression of confidence in having selected me to assume the Office of Chief, and to the Mayor and members of the Common Council for their advice and guidance during the initial months of my incumbency.

Several important projects have been started during the year 1963. One of the most important being the start of construction of new No. 5 Fire Station which is scheduled for completion on or about May 1, 1964. The inauguration of the department's in-service inspection program is another accomplishment worthy of note as is the establishment of a public information and education program. These projects are all geared for the betterment and welfare of the citizens of Madison and should receive our whole-hearted support.

The statistics charted in this report are indicative of the challenges facing all of us in fire service. Our emergency alarms during 1963 have increased approximately 25 per cent over those of 1962 and as the city grows in area and population further increases must be anticipated. We are geared to these challenges and will face them with dispatch and zeal as your fire service has always done and will continue to do to the best of our ability.

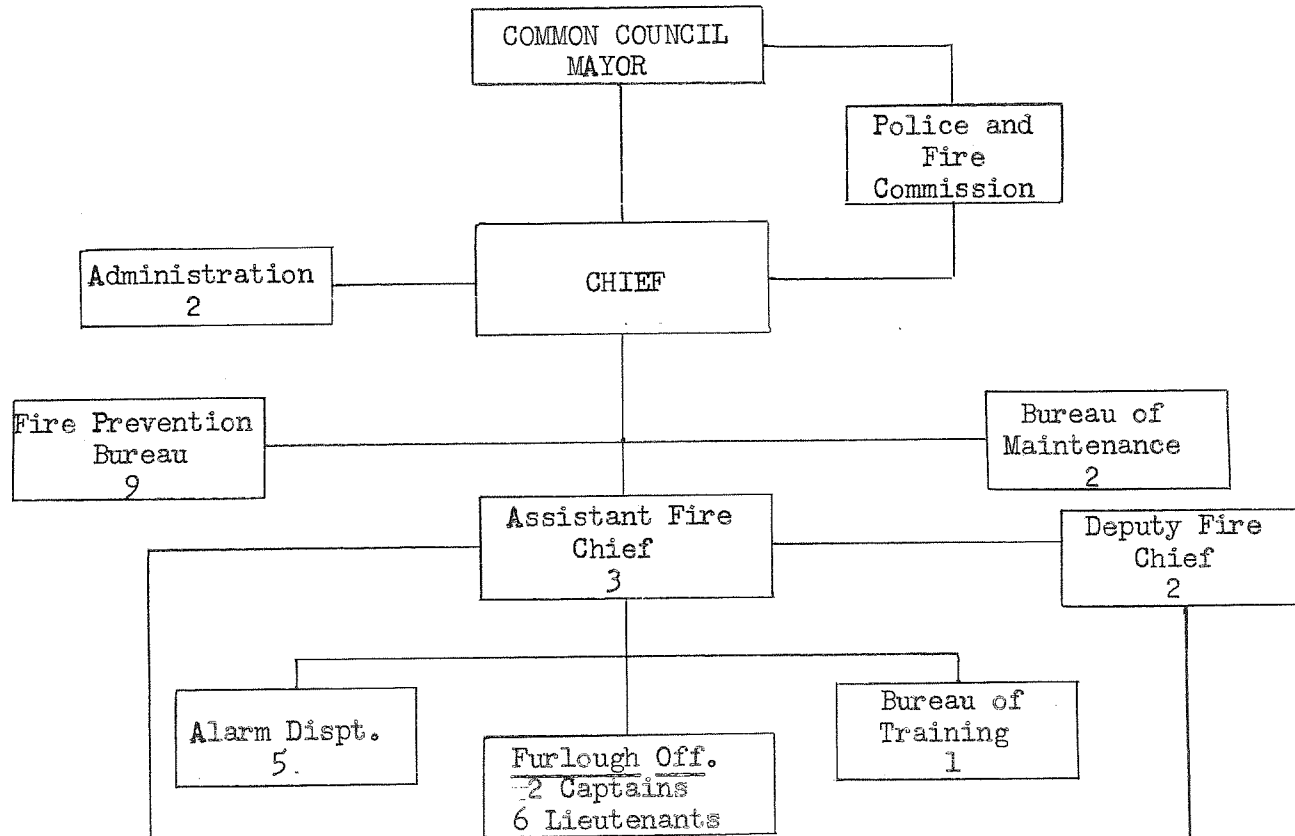
No tribute is too great for the men who serve to protect the lives and property of the citizens of Madison. It must be remembered that the real strength of our department and the quality of fire service given can best be measured by the cooperative spirit and zealous application of each officer and each man. This they have given in the finest tradition of fire service — no more can be asked of any man.

Yours very truly,

A handwritten signature in cursive script that reads "Ralph A. McGraw". The signature is fluid and elegant, with the first letters of the first and last names being capitalized and prominent.

Ralph A. McGraw,
Chief

CHAIN OF COMMAND



Station 1	Station 2	Station 3	Station 5	Station 8	Station 10
2 Capt	1 Capt	1 Capt	1 Capt	2 Capt	1 Capt
2 Lieut	1 Lieut	1 Lieut	1 Lieut	2 Lieut	1 Lieut
38 Frft	12 Frft	12 Frft	12 Frft	20 Frft	16 Frft

Station 4	Station 6	Station 7	Station 9
2 Capt	1 Capt	1 Capt	1 Capt
2 Lieut	1 Lieut	1 Lieut	1 Lieut
22 Frft	16 Frft	12 Frft	16 Frft

TOTAL PERSONNEL: 235
 Uniformed 233
 Civilian 2

ALARM AND LOSS STATISTICS

During the year 1963, the Madison Fire Department responded to a total of 1,677 emergency alarms. Of this total, 333, or approximately twenty per cent have been classified as building fires.

The statistical breakdown of 2.2 building fires per 1,000 population definitely establishes Madison in the lower quartile of reporting cities in the same population group, where the most recent national figures indicate 3.7 building fires per 1,000 as the median figure.

Buildings in which fires occur are categorized into five distinct classifications. These are; Dwelling Occupancies, Public Buildings, Mercantile Buildings, Manufacturing Buildings, and Miscellaneous Buildings.

Fires in dwelling occupancies lead the other four classifications with a total of 228 fires; with miscellaneous buildings ranking second with 38 alarms. Mercantile buildings account for 35 fires, public buildings 18, and manufacturing buildings showing 14 fires.

The response to 184 emergency alarms during the month of April is the largest single monthly total ever recorded in the department. Of this total, 65 were classified as grass and brush fires with 35 listed as other outdoor fires.

Careless smoking is again listed as the major cause of building fires, with 47 of the total 333 attributed to that cause. Combustibles near Heaters, and defective electric motors and appliances are two of the other major causes listed.

Madison's average per capita fire loss for 1963 of approximately \$2.36 compares most favorably with the estimated national average of \$8.20 for the same reporting period. The largest single fire loss reported to this department during 1963 is listed as \$21,251; the smallest listed at less than \$5.00.



ALARM CLASSIFICATION

MONTHS	ALARMS INVOLVING FIRE							ALARMS NOT INVOLVING FIRE			Total Number Alarms
	In Buildings					Grass Brush Dumps	All Other Fires	False Alarms	Mistaken Alarms	Specials and Invest.	
	Dwelling Occup.	Public Bldgs.	Mercan- tile	Mfg.	Misc.						
January	24	3	4	2	1	0	22	5	14	58	133
February	18	1	1	0	3	1	16	4	6	52	102
March	20	0	2	0	2	35	35	10	6	52	162
April	16	1	0	0	6	65	35	7	3	51	184
May	14	3	3	2	5	19	25	7	0	47	125
June	31	4	5	1	5	7	27	4	9	94	187
July	16	3	2	6	0	21	23	11	2	61	145
August	10	0	1	0	5	4	18	5	6	60	109
September	13	0	4	1	2	4	27	4	4	37	96
October	22	0	6	1	3	27	18	11	5	51	144
November	17	1	3	0	6	12	21	21	8	61	150
December	27	2	4	1	0	2	15	3	7	79	140
TOTALS	228	18	35	14	38	197	282	92	70	703	1677

1963

ALARMS INVOLVING FIRES: IN BUILDINGS

Public Buildings.....	18
Dwelling Occupancies.....	228
Mercantiles.....	35
Manufacturing.....	14
Miscellaneous Buildings.....	<u>38</u>

TOTAL FIRES-BUILDINGS..... 333

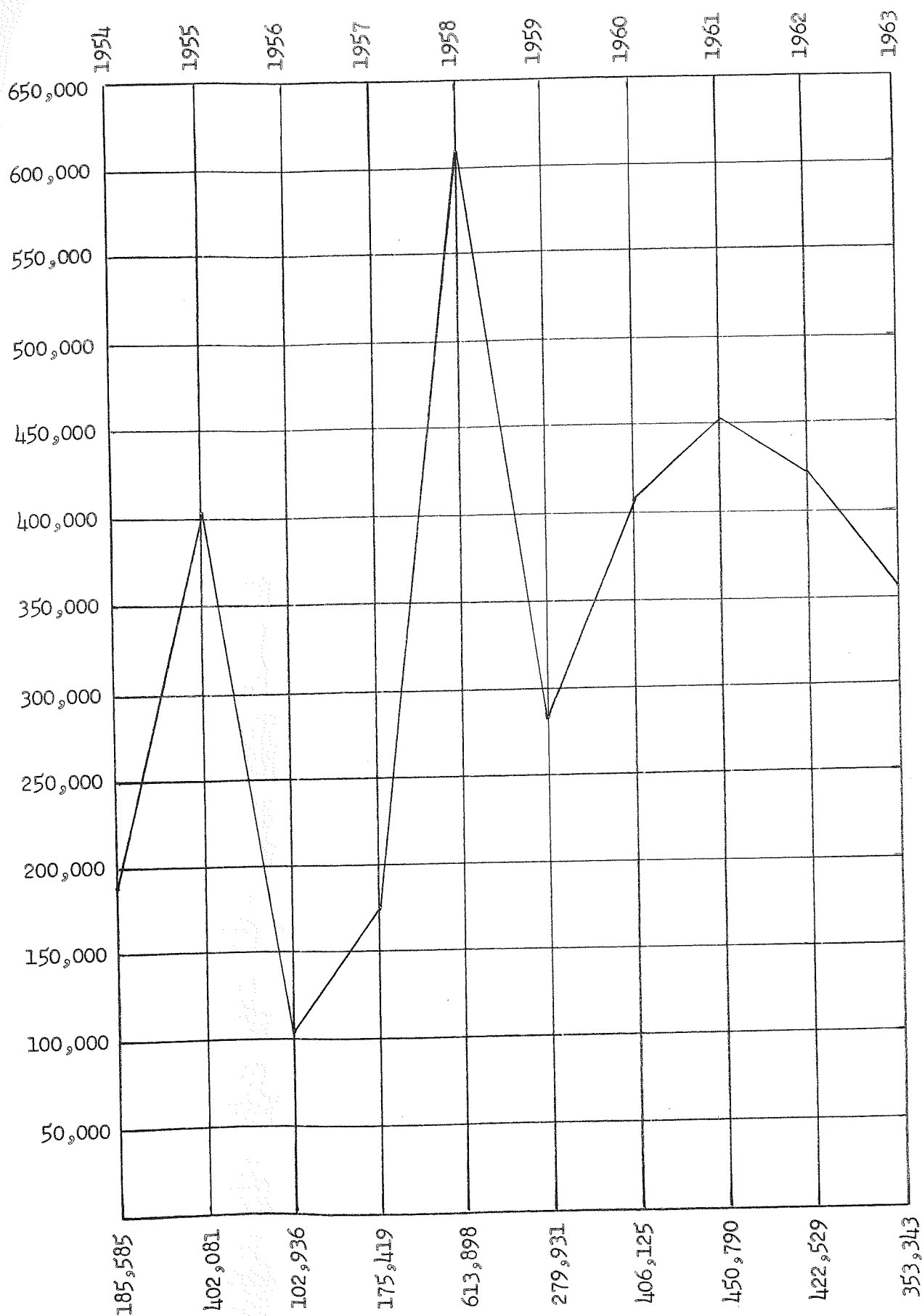
BUILDING FIRES

C A U S E S

Careless Smoking.....	47
Undetermined.....	42
Combustibles Near Heater.....	35
Electric Motor and Appliance.....	31
Children With Matches.....	30
Miscellaneous Known Causes.....	30
Grease on Stove.....	28
Defective Wiring.....	26
Defective Chimney.....	15
Oil Burner.....	14
Defective Heater.....	10
Incendiary.....	6
Lightning.....	6
Flammable Liquids.....	5
Open Lights, Flames.....	3
Spontaneous Ignition.....	2
Lamps and Stoves.....	2
Thawing Pipes.....	<u>1</u>

TOTAL CAUSES..... 333

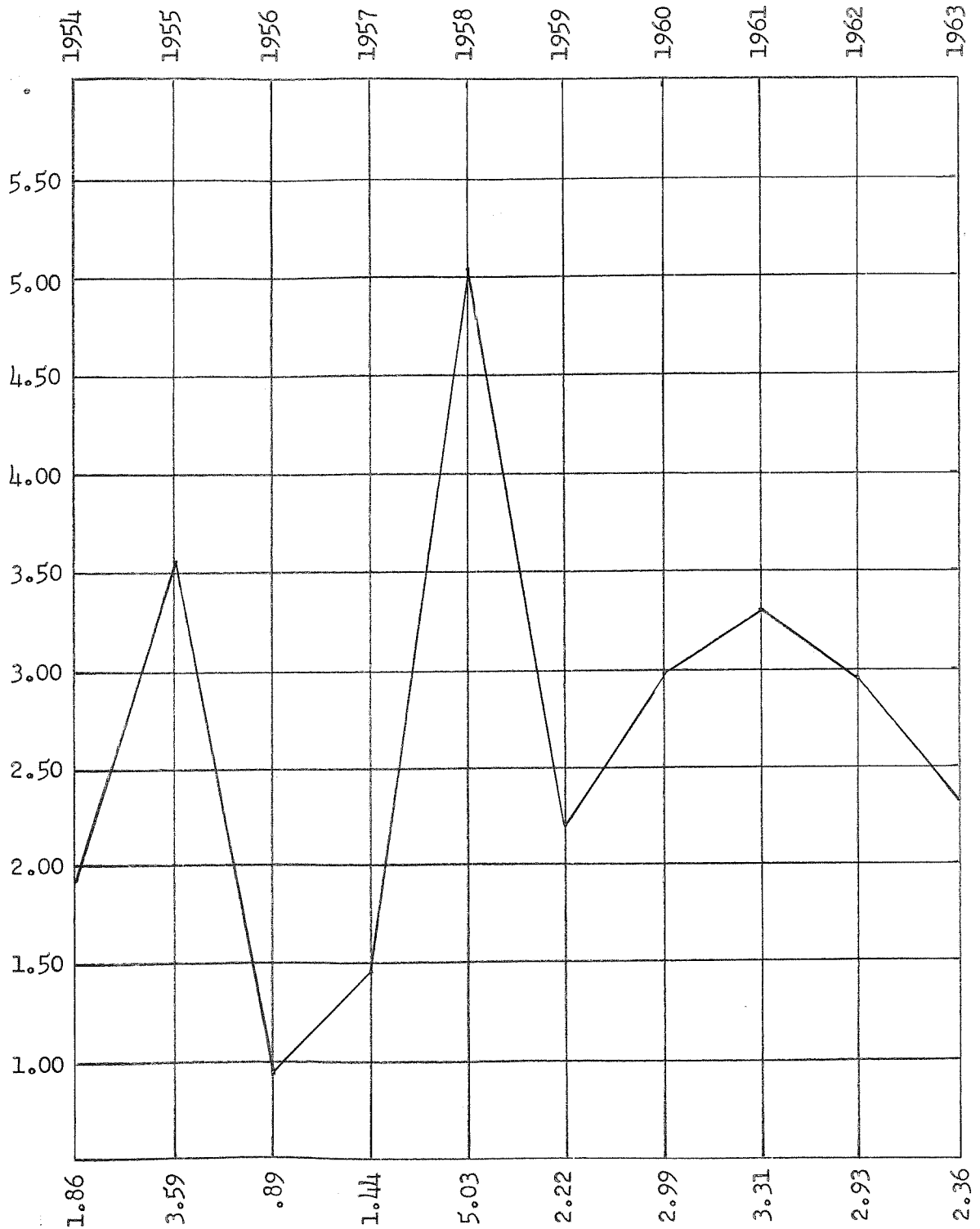
FIRE LOSS



*Total insured loss for year 1963 is incomplete.

AVERAGE FIRE LOSS, Insured; 10 Year Experience — \$339,263

PER CAPITA FIRE LOSS; 10 Year Experience



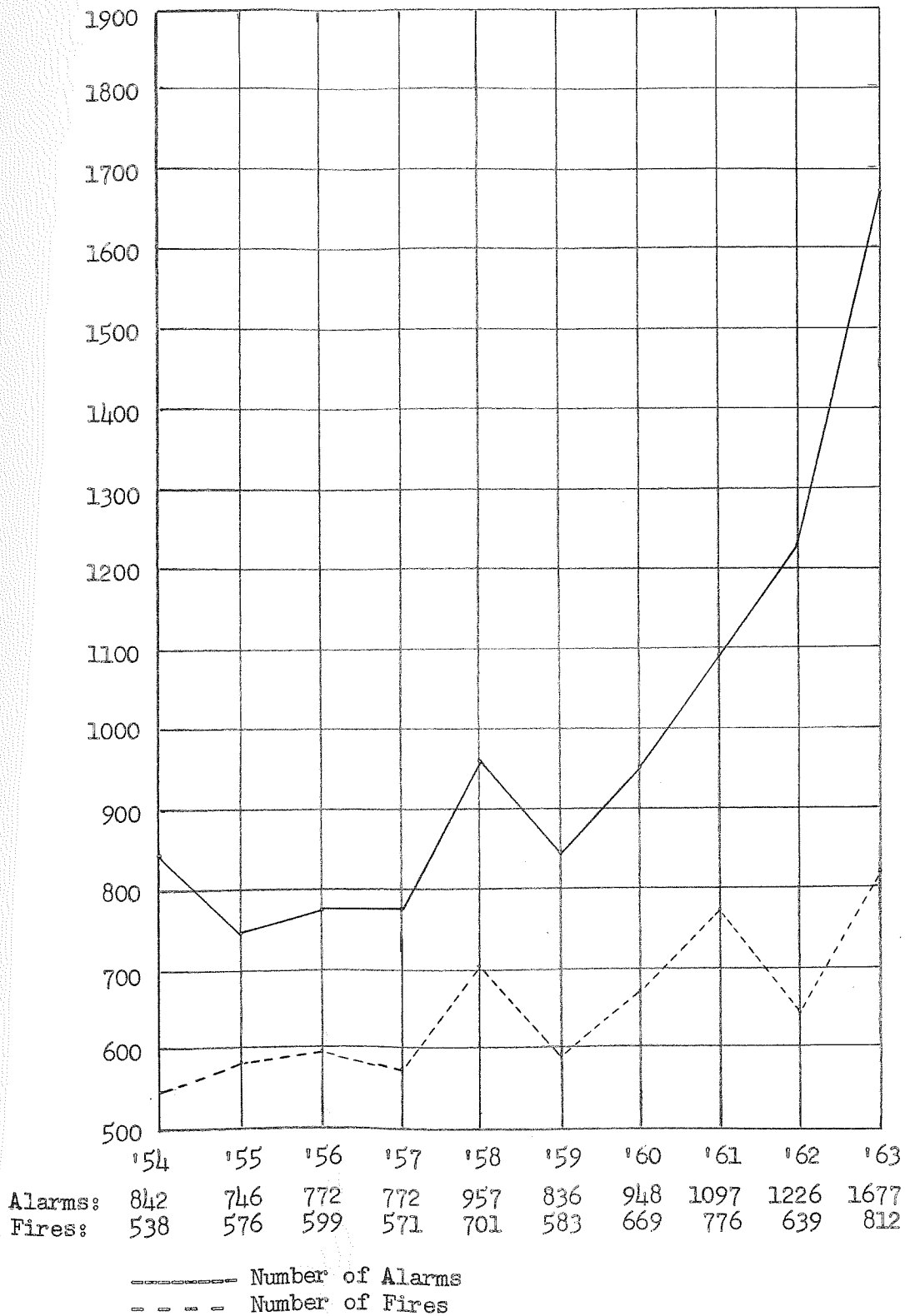
*Total insured loss for year 1963 is incomplete.

AVERAGE PER CAPITA FIRE LOSS..... \$2.66

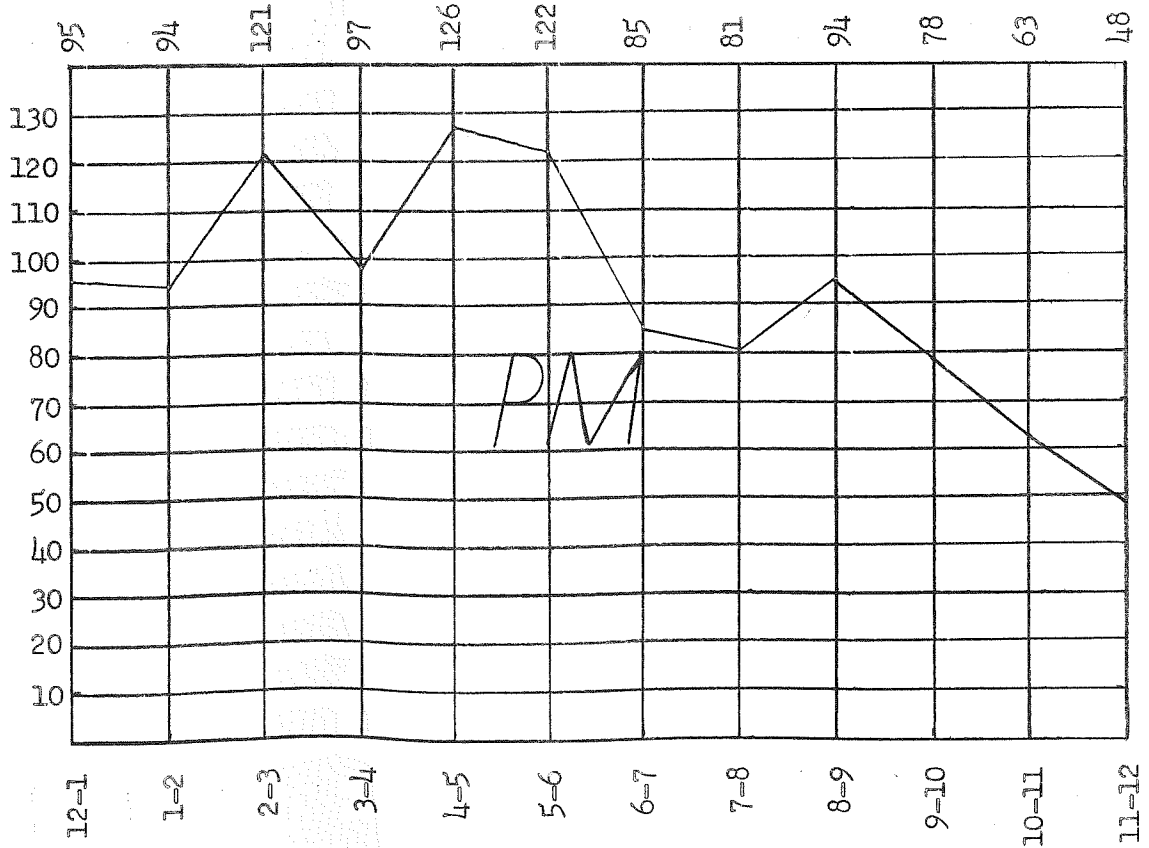
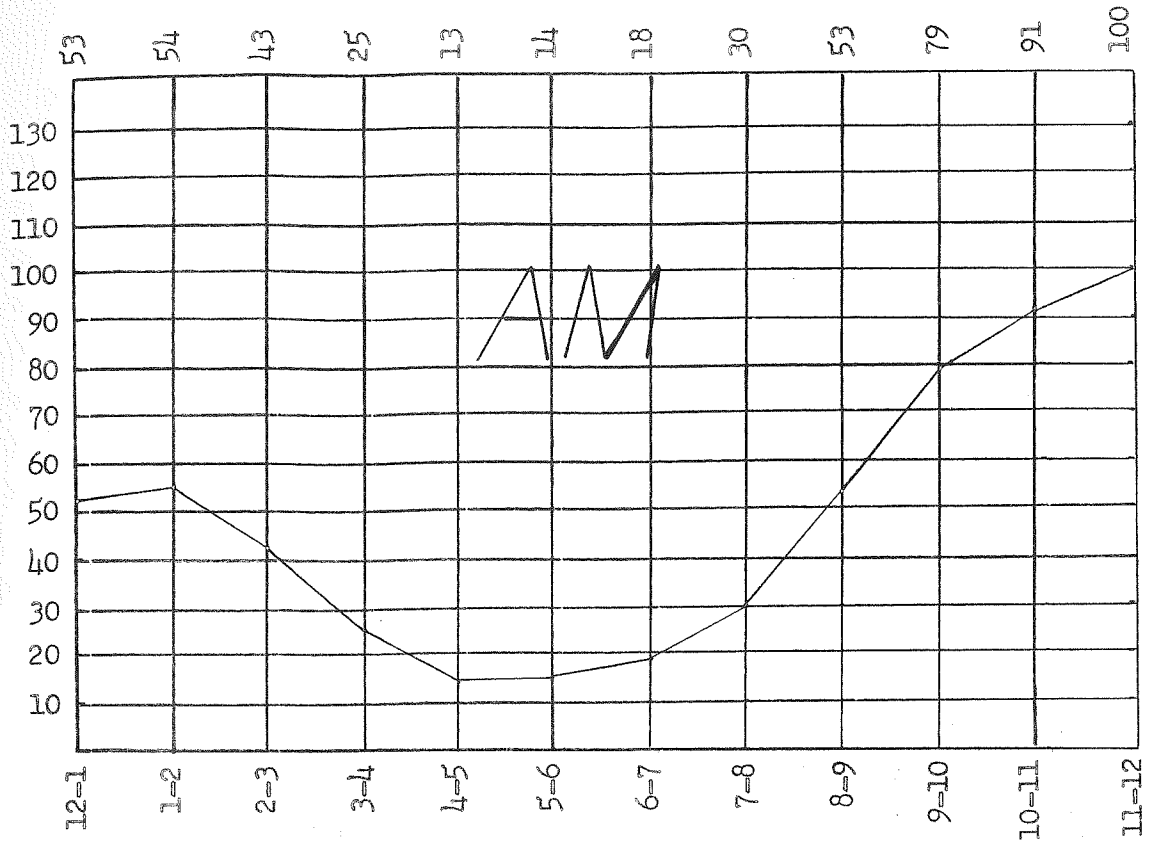
EST. POP. - 150,000

FIRE AND ALARM FREQUENCY

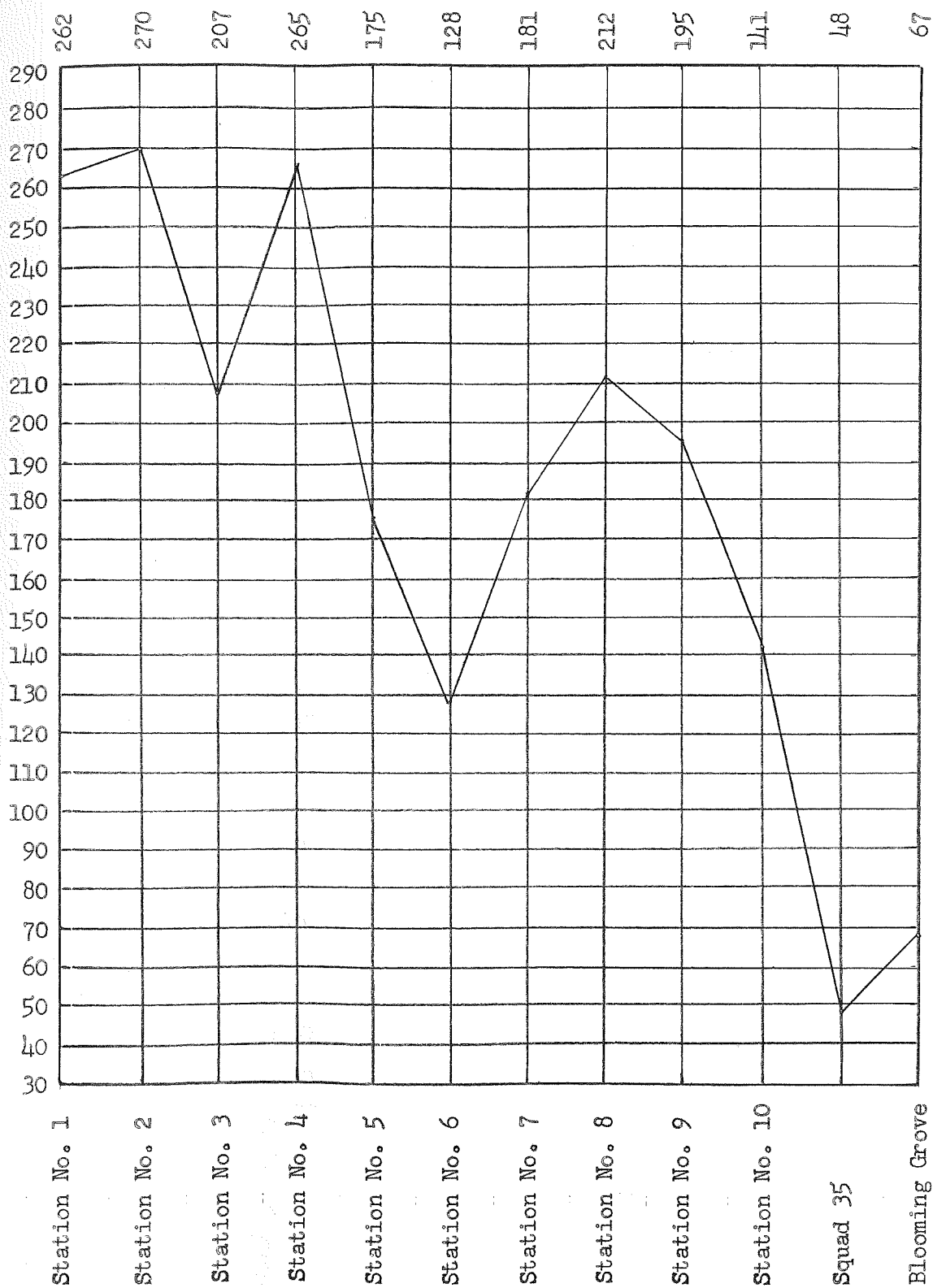
10 - Year Experience



ALARMS BY HOUR



RUNS PER STATION



Total Runs = 2151

MONTHLY FIRE LOSS RECAPITULATION

Alarms Attended-1963

January	\$27,787.09
February	9,610.40
March	34,164.68
April	21,989.35
May	6,523.76
June	82,104.07
July	45,814.12
August	60,369.33
September	2,654.30
October	3,889.37
November	8,025.03
December	<u>10,264.00</u>

TOTAL FOR ALARMS ATTENDED \$313,195.50

Alarms Not Attended-1963

January	3,601.32
February	2,194.03
March	3,942.06
April	3,298.54
May	2,072.03
June	8,820.16
July	3,285.71
August	2,117.89
September	2,010.67
October	1,654.05
November	2,895.43
December	<u>4,256.06</u>

TOTAL FOR ALARMS NOT ATTENDED \$ 40,147.95

TOTAL FIRE LOSS-1963 \$353,343.45

**This figure is subject to change as additional losses for 1963 are reported.

PERSONNEL DISTRIBUTION

Authorized Personnel for Year 1963

Chief.....	1
Assistant Chiefs.....	3
Deputy Chiefs.....	2
Captains:	
Line Officers:	
Station.....	13
Relief.....	<u>2</u>
	15
Fire Prevention Bureau..	1
Training & Instruction..	1
Maintenance.....	<u>1</u>
	<u>3</u>
Total Captains.....	18
Lieutenants:	
Line Officers:	
Station.....	13
Relief.....	<u>6</u>
Total Lieutenants.....	19
Fire Prevention Inspectors.....	8
Assistant Mechanic.....	1
Dispatchers.....	5
Firefighters.....	<u>176</u>
TOTAL PERSONNEL--Fire Department.....	233
Office Employees.....	<u>2</u>
TOTAL PERSONNEL: Authorized Strength.....	235

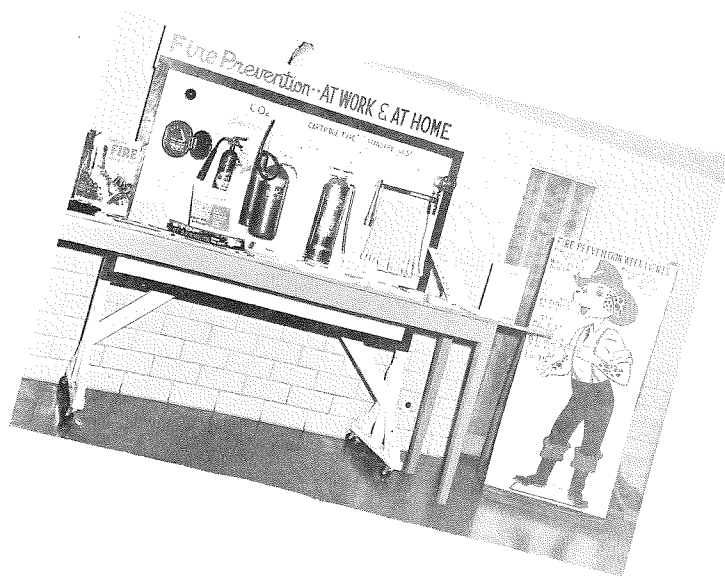
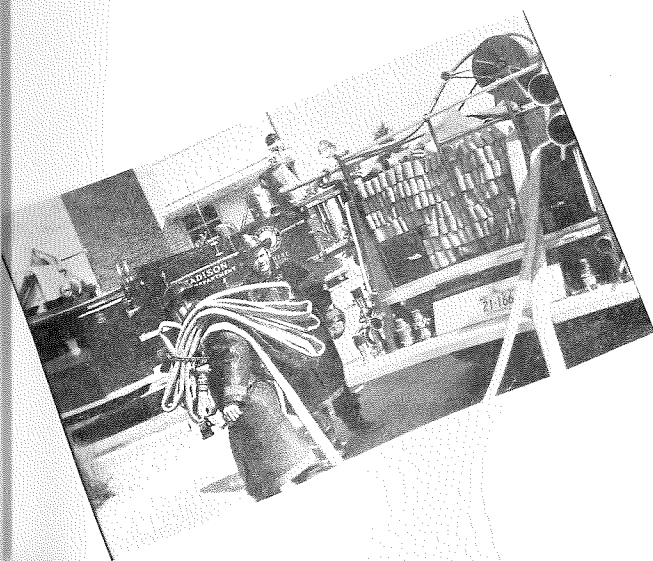
PERSONNEL -- 5 Year Experience

AUTHORIZED MEMBERSHIP OF DEPARTMENT	1959	1960	1961	1962	1963
Police and Fire Commission	213	215	216	233	233
Board of Personnel	2	2	2	2	2
TOTAL	215	217	218	235	235
New Members Appointed	5	13	1	21	8
Retirements	1	4	1	1	4
Resignations	4	5	1	1	3
Leave of Absence	0	0	0	1	0
Dismissals	0	0	0	0	0
Disability Retirement	0	1	0	0	1
Deaths	0	0	0	1	0
Military Leave	1	1	1	0	0
Complement Beginning of Year	215	214	217	217	235
Complement End of Year	214	217	217	235	235

APPARATUS DEPRECIATION

STA NO.	DESCRIPTION	DATE PURCH.	ORIG. COST	LIFE YRS.	PERC. DEPR.	AMOUNT DEPR.	VALUE 12/31/63	DATE TO RETIRE	YRS. OF SERV.
1	Sedan, Chevrolet	6/58	1,850	5	20	1,850	—	1964	5
1	Sedan, Buick	2/51	2,000	5	20	2,000	—	1956	12
1	1250 Gal. Pumper (American LaFrance)	9/48	19,756	20	4½	13,335	6,421	1968	15
1	100 Ft. Aerial, Pirsch	11/49	35,862	20	4½	22,593	13,269	1969	14
1	Rescue Squad (In. Hr.)	12/60	6,000	8	12½	2,250	3,750	1968	3
2	1250 Gal. Pumper (Pir)	12/56	20,979	20	4½	7,867	13,112	1977	7
2	600 Gal. Pumper (Seag)	2/34	6,200	20	4½	6,200	—	1954	30
3	Panel Truck, Maint.	4/61	2,018	8	12½	757	1,261	1969	3
3	1000 Gal. Pumper Foam	12/29	15,500	20	4½	15,500	—	1945	38
3	1250 Gal. Pumper (ALF)	9/48	19,756	20	4½	13,335	6,421	1968	15
3	85 Ft. Aerial Pirsch	2/50	30,862	20	4½	19,443	11,419	1970	14
3	Utility Truck Chev.	11/49	3,500	8	12½	3,500	—	1957	14
4	Sedan, Chevrolet	6/58	1,850	5	20	1,850	—	1964	5
4	Hose Wagon - Ford	9/48	2,500	8	12½	—	—	1956	15
4	1250 Gal. Pumper ALF	9/48	19,756	20	4½	13,335	6,421	1968	15
4	85 Ft. Aerial Seag.	12/60	41,781	20	4½	5,640	36,141	1981	3
5	1250 Gal. Pumper Pir.	12/56	20,979	20	4½	7,867	13,112	1977	7
6	1250 Gal. Pumper Pir.	12/62	26,316	20	4½	1,184	25,132	1983	1
6	85 Ft. Aerial Seagrave	2/58	39,692	20	4½	10,716	28,976	1978	6
7	1000 Gal. Pumper Pir.	1/59	21,590	20	4½	4,858	16,732	1979	5
7	600 Gal. Pumper Seag.	4/35	6,623	20	4½	6,657	66	1955	29
8	1000 Gal. Pumper FWD	1/60	21,564	20	4½	3,881	17,683	1980	4
8	85 Ft. Aerial Pirsch	11/59	37,990	20	4½	6,838	31,152	1980	4
9	85 Ft. Aerial Pirsch	2/50	30,862	20	4½	19,443	11,419	1970	14
9	1000 Gal. Pumper FWD	1/60	21,564	20	4½	3,881	17,683	1980	4
10	1250 Gal. Pumper Pirsch	8/62	24,910	20	4½	1,100	23,810	1983	1
FPB	Sedan, Dodge*								
FPB	Sedan, Dodge*								
FPB	Sedan, Studebaker	3/61	1,800	8	12½	675	1,125	1969	3
T&I	Sedan, Plymouth*								

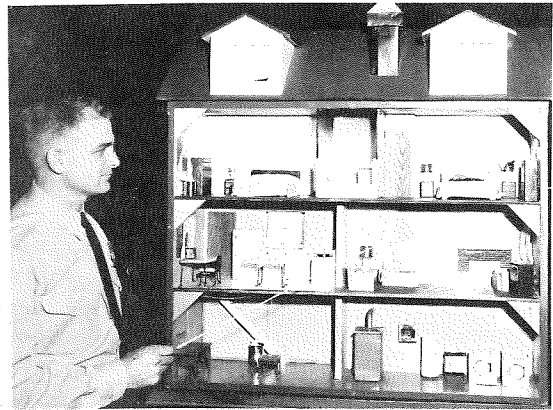
*Trade-In from other departments approximately every two years—Budget appropriation.



Chief Ralph A. McGraw

Dear Sirs:

The Program of Public Information was initiated during 1963 whereby Madison firemen make presentations consisting of demonstrations, films, and short talks to promote fire safety. Residents are shown how to eliminate fire hazards and what to do in case of fire. Instruction in the proper techniques in aiding a victim of serious bleeding or stoppage of breathing until a rescue unit arrives is also stressed.



Sixty five firemen attended a ten week course conducted by Mr. Richard Ashmun of the Madison Vocational School staff to prepare themselves to make these presentations. Department members developed the following presentations, constructed the visual aids, and selected the proper films for these subjects.

1. Rescue Breathing M/M
2. Fire Safety In the Home H/H
3. Baby Sitters Course
4. Chemistry of Fire
5. Hospital Carries and Evacuation
6. Organization and Operation of MFD
7. General First Aid
8. Color Guard and Marching Unit

Fire Fighter Local 311 provided the funds to construct most of the visual aids and provide the refreshments for station open house during fire prevention week when 5,000 toured the stations.

It is felt this program is making our citizens more fire conscious and informing them more fully of the many specialized services available to them from the MFD, and will satisfy the taxpayer that his tax dollar for fire protection and fire department services has been well spent.

Respectfully Submitted,

Henry W. Anderson

Henry W. Anderson, Deputy Chief

Chief Ralph A. McGraw

Dear Sir:

1963 is recorded as a progressive year with respect to training operations and educational advances. There was a real need for outside training activity to be instituted as a priority item essential to the development of skills in efficient handling of our emergency equipment.



Because you constantly encouraged the movement of crews and equipment to outside drill areas, our department personnel today realize values in fire fighting techniques which were not previously possible. This fact is magnified by expressions of gratitude sincerely advanced by those who participated in this advanced program.

In addition to the regular training conducted in the stations, we successfully completed extensive Bureau instruction for all personnel in practices dealing with techniques and application of procedures in:

1. Resuscitation and External Heart Massage
2. In-Line pumping (limitations)
3. Hydraulic Calculations (Rule of Thumb)
4. Pump Operations (from draft)
5. Familiarization - Aerial Apparatus and Tool Load
6. Handling Ladders
7. Rescue Squad - (special tools)
8. Driver Training and Apparatus Handling
9. Pump Operator Practices (master streams)
10. Stretcher Handling (on ladder)
11. Oxygen Mask (with heavy smoke)
12. Ventilation (natural & forced)
13. Forcible Entry (breaching, opening roofs & opening hardwood floors)
14. Rescue Procedure (Hospital Carries)

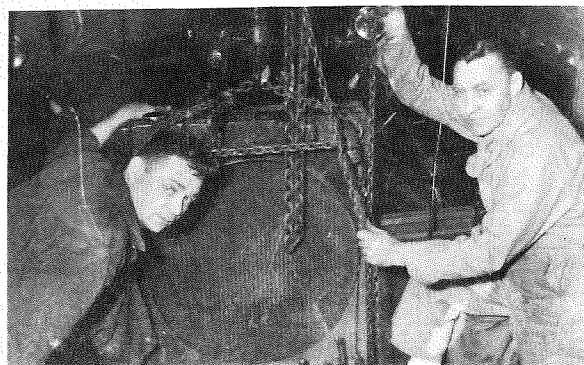
Respectfully Submitted,

Maurice T. Nason, Captain
Bureau of Training and Instruction

Chief Ralph A. McGraw

Dear Sir:

The following is a summary of the activities of the Bureau of Maintenance for the year ending December 31, 1963.



The time in hours indicated below are the hours charged to each group of apparatus, cars and stations for preventative maintenance and repair.

1. Ten regularly stationed engines.....	722	Hours
2. Two reserve pumpers.....	84	"
3. Three special service trucks.....	85	"
4. Six aerial trucks.....	613	"
5. Eight cars.....	279	"
6. One rescue squad.....	35	"
7. Ten stations.....	530	"
8. Miscellaneous hours not charged to any one group of apparatus or station such as records, supplies, planning, instruction, shop work, and other duties as prescribed by the Chief of the Fire Department.....	1171	"
Total.....	3519	"

Nineteen sixty three has gone very smoothly. Our program of maintenance has not been interrupted by any serious mishap of any kind, nor has our fire service been impaired by any breakdowns. All of the fire apparatus are in good condition and the stations are in good shap considering the age of some of them.

I wish to take this opportunity to extend my appreciation for your cooperation and guidance during your first year as Chief of the fire department.

In behalf of my assistant, Niel Rossmassler, I wish to thank all Fire Department personnel for the splendid cooperation given the Bureau of Maintenance in 1963.

Respectfully Submitted,

James C. Olson
James C. Olson, Captain
Bureau of Maintenance

Chief Ralph A. McGraw

Dear Sir:

During the year 1963, the members of the Fire Prevention Bureau completed 11,018 regular fire and safety inspections in the various categories of buildings. In addition, a total of 504 re-inspections were made to determine compliance or progress with orders previously issued. Finally, to round out the established duties of the Fire Prevention Bureau, 266 citizen complaints were attended to, and 155 fires were investigated either to determine cause or to substantiate previous determinations.



Probably the most radical and progressive change undertaken thus far by the new administration was the decision to inaugurate In-Service fire inspections. This is a program designed for a more complete utilization of man power whereby all station personnel participate in fire inspections while on duty and in service. By "in-service" is meant that equipment and personnel are available for fire duty or any other emergency at all times while on an inspection tour. At the present time, only Fire Station #9 is being employed in the venture but eventually all stations will join in the program.

There are several benefits to be obtained from this project: A fuller utilization of personnel as previously mentioned, a better operating knowledge of buildings, hazards, and processes within the territory, and the release of Fire Prevention Bureau Inspectors for more specialized activities and assignments.

Reports from officers and men already participating indicate a genuine interest and whole-hearted cooperation for the undertaking.

I want to express my appreciation to you, the Assistant Chiefs and the Deputy Chiefs for the cooperation and assistance that has been so willingly given during 1963.

Respectfully Submitted,

George L. Stanek, Captain
Fire Prevention Bureau