

Madison Fire Department
Annual Report
1970

MADISON FIRE DEPARTMENT

ANNUAL REPORT

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CHIEF RALPH A. MCGRAW

Respectfully Submitted,

Ralph A. McGraw

July 1, 1971

Mayor William D. Dyke
Members of the Common Council
City of Madison

Ladies and Gentlemen:

A statistical review of the activities of the Madison Fire Department for the calendar year 1970 is presented for your information.

A Fire Department is all too often judged on it's effectiveness as a result of publicity given one or two large conflagrations which result in extensive loss. The fact that the department prevented numerous small fires from turning into big ones is frequently overlooked.

Our aggressive and far reaching fire prevention and training programs are major factors in Madison's favorable fire loss statistics for 1970 and it shall be a continuing goal of this department to improve efficiency in all areas of operation so that further reductions in fire loss figures can be achieved.

Respectfully submitted,

Ralph A. McGraw
Chief

ALARM CLASSIFICATION

MONTHS	ALARMS INVOLVING FIRE							ALARMS NOT INVOLVING FIRE			
	In Buildings					Grass Brush Dumps	All Other Fires	False Alarms	Mistaken Alarms	Specials and Invest.	Total Number Alarms
	Dwelling Occup.	Public Bldgs.	Mercan- tile	Mfg.	Misc.						
January	25	5	5	0	1	0	30	9	19	82	176
February	26	0	4	0	7	1	28	14	13	71	164
March	34	3	3	1	4	41	38	14	7	70	215
April	24	2	4	1	1	93	36	17	19	82	279
May	33	16	5	0	7	17	85	24	8	84	279
June	23	5	2	1	4	3	43	14	13	65	173
July	24	2	3	0	4	13	43	7	11	75	182
August	17	3	3	0	2	28	39	11	11	81	195
September	17	5	5	1	3	7	33	5	14	69	159
October	14	2	2	0	0	12	35	14	17	79	175
November	28	1	5	0	0	15	28	9	17	66	169
December	28	4	3	2	2	4	21	7	23	92	186
TOTALS	293	48	44	6	35	234	459	145	172	916	2352

1970

ALARMS INVOLVING FIRES: IN BUILDINGS

Public Buildings.....	48
Dwelling Occupancies.....	293
Mercantiles.....	44
Manufacturing.....	6
Miscellaneous Buildings.....	<u>35</u>

TOTAL FIRES-BUILDINGS..... 426

BUILDING FIRES

Careless Smoking.....	75
Elec. Motor & Appliance.....	68
Grease on Stove.....	60
Combustibles Near Heater.....	54
Incendiary.....	47
Children with Matches.....	34
Defective Electric Wiring.....	22
Miscellaneous Known Causes.....	15
Defective Heaters.....	14
Unknown.....	13
Chimneys, Soot Burning.....	8
Spontaneous Ignition.....	6
Lamps and Stoves.....	5
Defective Chimneys.....	2
Lightning.....	2
Open Lights, Flames.....	<u>1</u>

Total Causes..... 426

MONTHLY FIRE LOSS RECAPITULATION

Alarms Attended - 1970

January	90,542.89
February	53,641.06
March	19,813.99
April	31,550.86
May	176,797.58
June	32,784.95
July	16,372.63
August	2,736,273.87
September	51,862.68
October	12,890.86
November	18,114.85
December	<u>113,528.42</u>

TOTAL FOR ALARMS ATTENDED 3,354,164.64

Alarms Not attended - 1970

January	2,778.96
February	2,353.65
March	5,387.39
April	923.22
May	45,500.82
June	2,481.52
July	5,103.56
August	5,809.82
September	4,622.11
October	4,941.31
November	3,231.81
December	<u>2,209.67</u>

TOTAL FOR ALARMS NOT ATTENDED 85,343.84

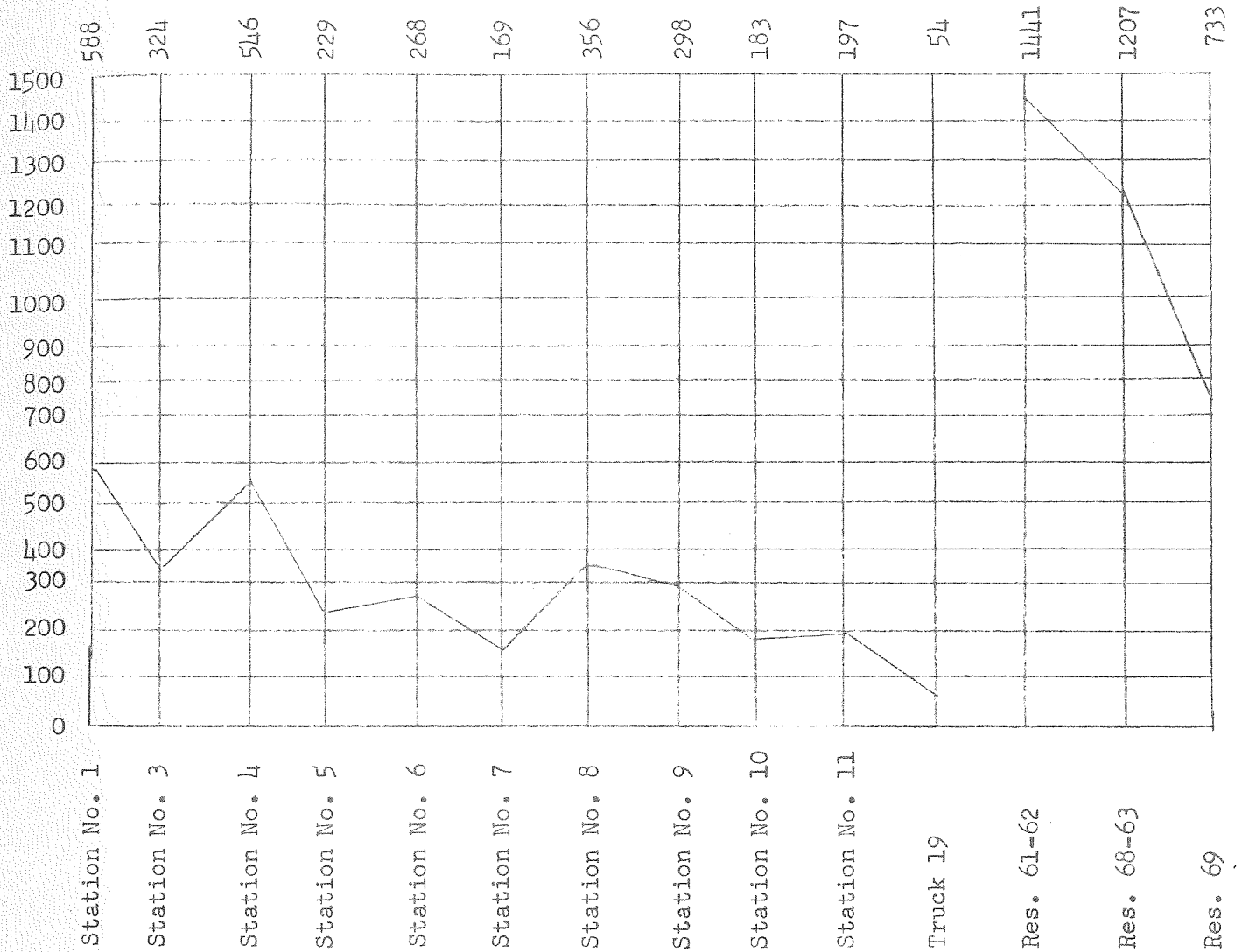
TOTAL FIRE LOSS --- 1970 3,439,508.48 *

* This figure is subject to change as additional losses for 1970 are reported.

MAJOR FIRES 1970

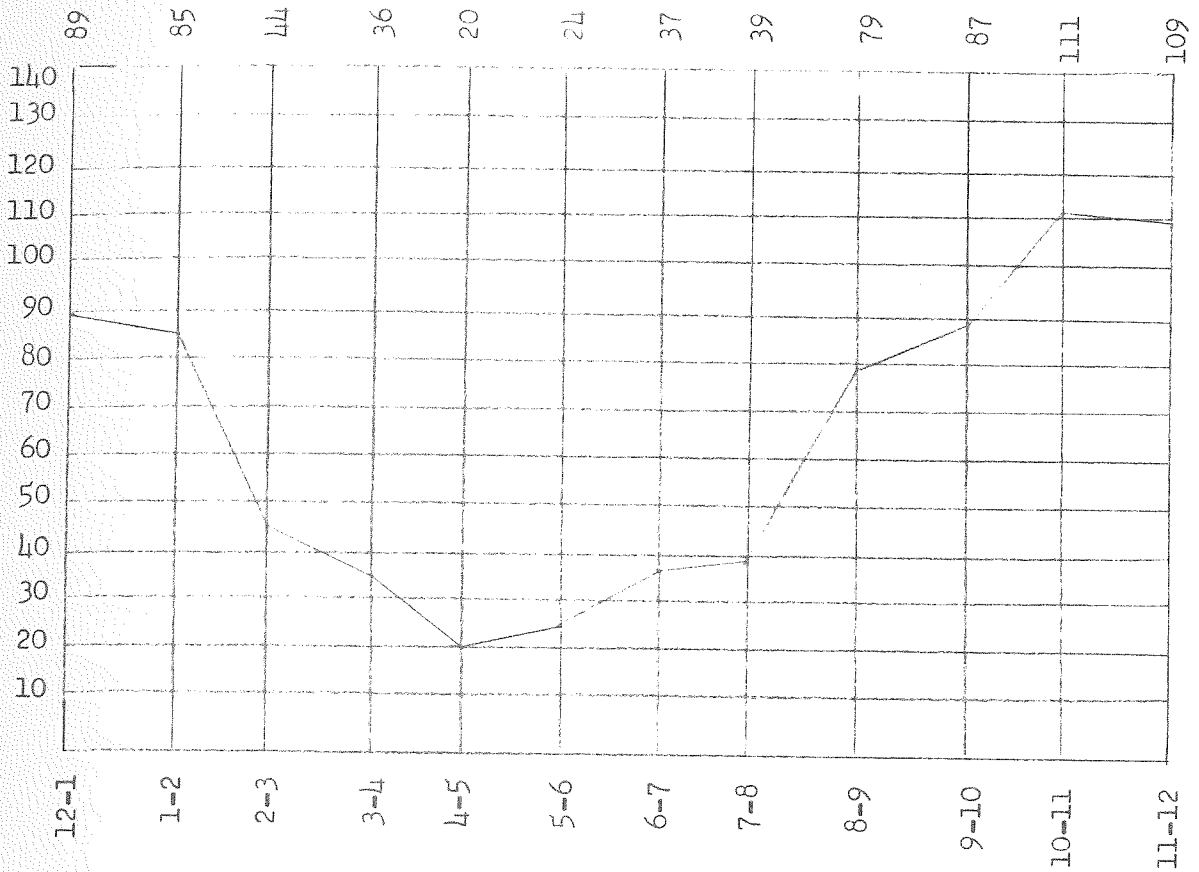
1-3	716 Langdon St.	Old Red Gym	Fire Bomb	47,000
1-9	1148 Williamson St.	Salvation Army	Overloaded Electric Circuit	17,110
1-13	4808 Allis Ave.	Dwelling (2 children died)	Children with Matches	16,246
2-5	3742 Speedway Rd.	Service Station	Gasoline vapors in contact with oil burner ignition	21,000
2-16	142 Farrell St.	Dwelling	Gas vapors in contact with water heater	12,465
4-25	3542 Richards St.	Dwelling	Spontaneous Ignition	10,810
5-5	515 University Ave.	Kroger Store	Arson	150,000
6-24	113 N. Blair St.	Apartment	Lighted Candle	10,664
6-30	5102 Starker Road	Dwelling	Electric Hair Dryer	10,565
7-24	3342 Ridgeway Ave.	Dwelling	Careless Smoking	12,405
8-3	4717 Cottage Grove Rd.	Apartment	Ignited by persons Unknown	25,345
8-24	475 N. Charter St.	Math Research Lab. (1 death)	Bomb Explosion	2,702,000 (Est.)
9-9	3115 E. Wash. Ave.	Restaurant	Short in neon sign	17,687
9-18	1148 Williamson St.	Salvation Army	Ignited by persons Unknown	14,605
12-23	1252 E. Wash. Ave.	Restaurant	Overheated Furnace	14,000
12-26	3401 Kipling Dr.	Apartment	Suspected Arson	86,965

RUNS PER STATION

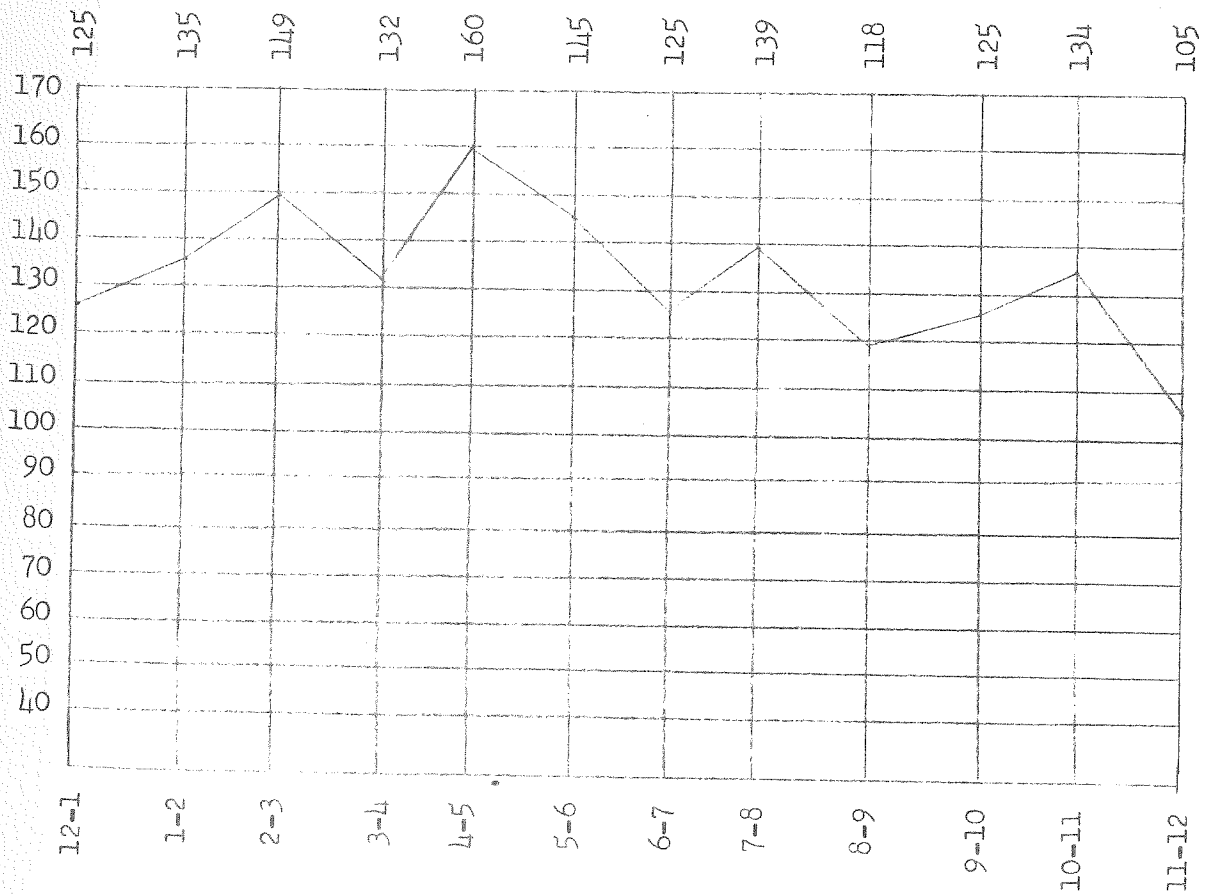


Total Fire Runs 3209
Total Rescue Runs 3381

ALARMS BY HOUR A.M.



ALARMS BY HOUR P.M.



EMERGENCY RESCUE ALARMS

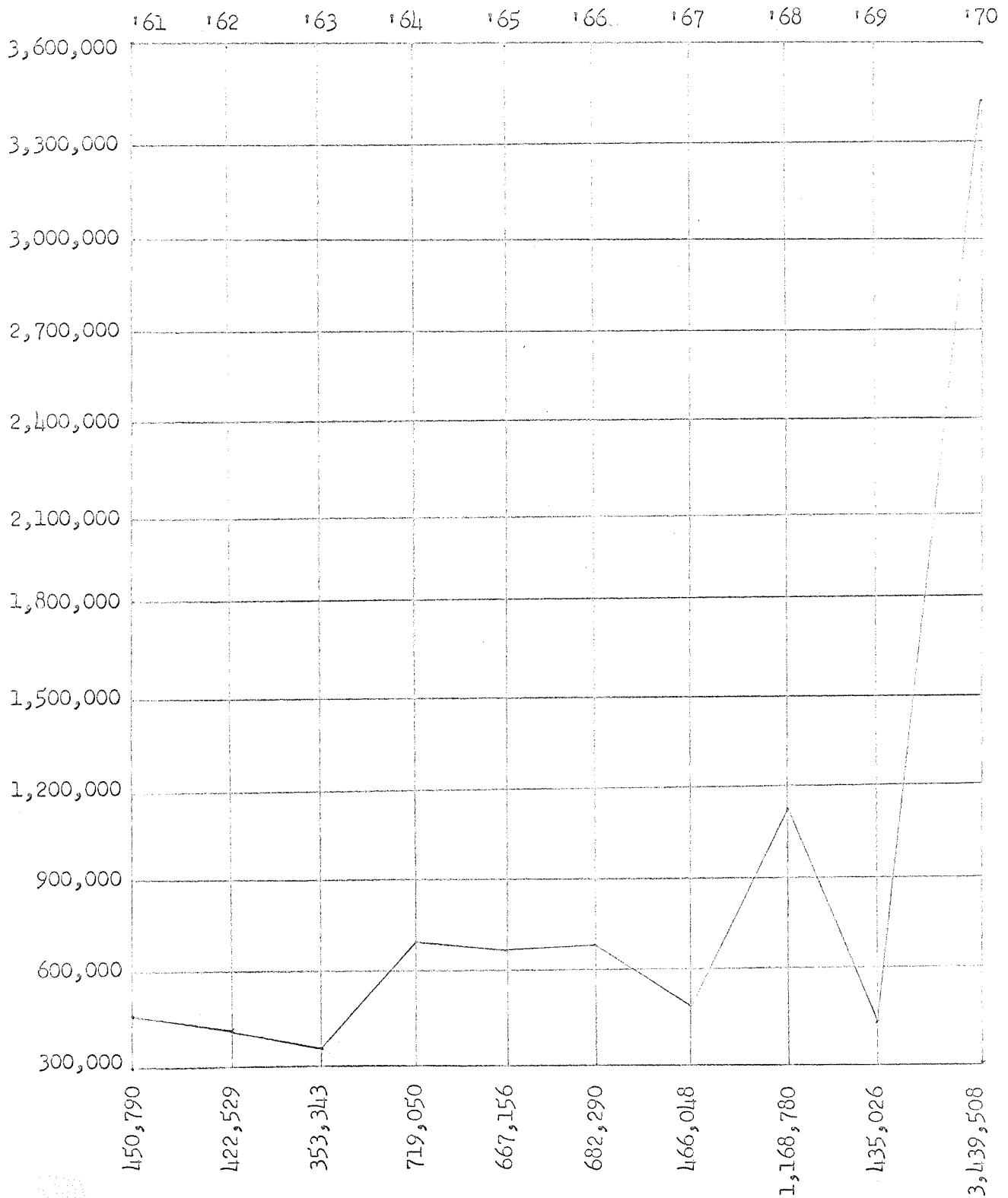
5 Rescue Units

Rescue 61-62	1441
68-63	1207
69	<u>733</u>

Total	3381
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Month	Serious Illness	Traumatic Injury	Asphyxia	Maternity	Hemorrhage	Burns	No Conveyance	False Alarms	Special	Total Runs
January	102	74	1	4	3		54	4	1	243
February	91	62	1	10	2	3	34	1	2	206
March	106	73	2	1	5		50	2	4	243
April	96	76	3	4	3	2	46	6	2	238
May	121	115	1	4	1		66	3	2	313
June	128	109	3	5	6		67	3		321
July	120	97	3	1	3	3	72	6	1	306
August	139	87	5	3	1	2	71	6		314
September	102	102	2	3	4	2	58	7		280
October	117	73		4	5		62	5	1	267
November	141	87	5	5	6		64	2	1	311
December	142	110	2	4	5	1	70	2	3	339
Total	1405	1065	28	48	44	13	714	47	17	3381

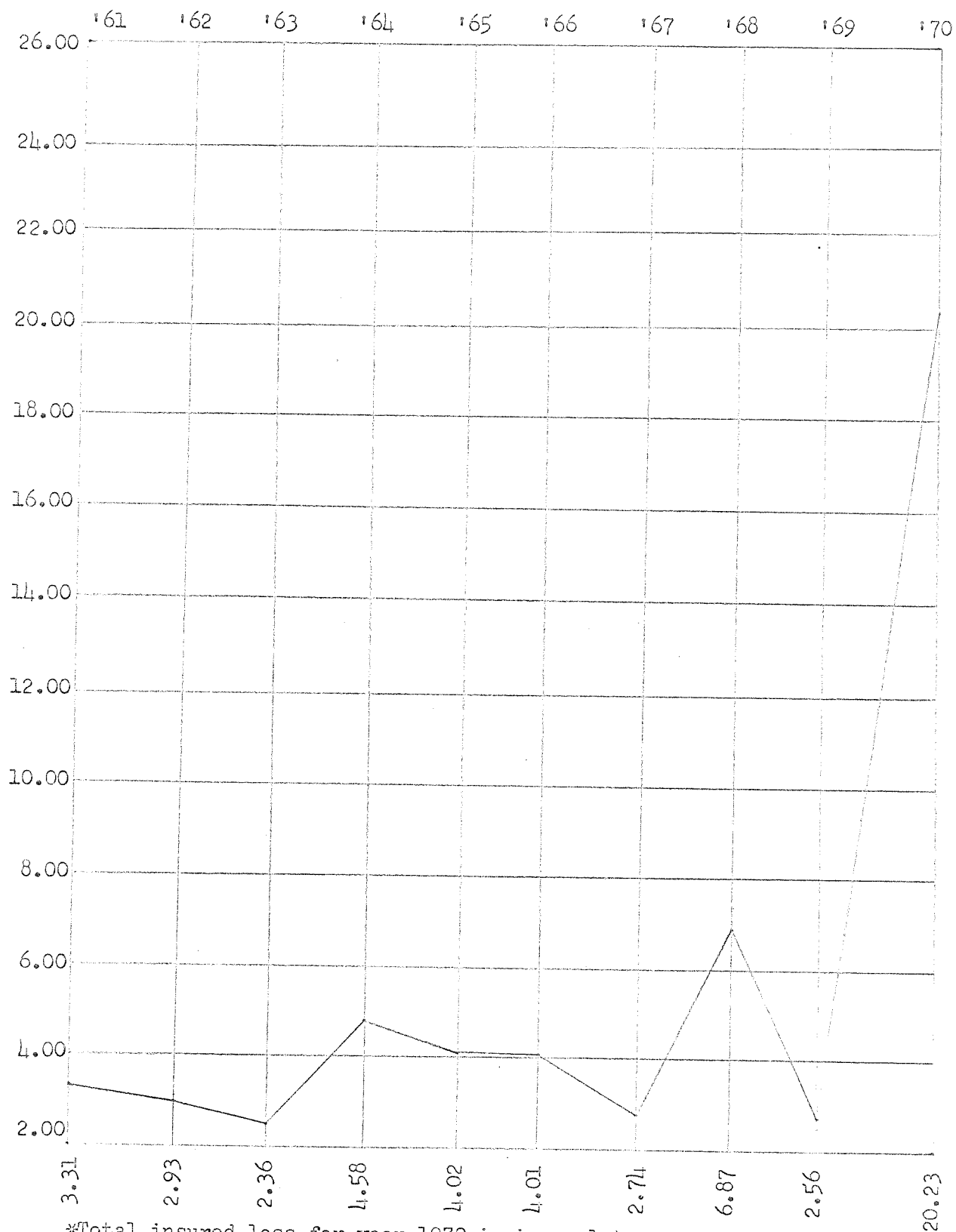
FIRE LOSS



*Total insured loss for year 1970 is incomplete.

AVERAGE FIRE LOSS, Insured: 10 Year Experience - \$880,452

PER CAPITA FIRE LOSS: 10 Year Experience



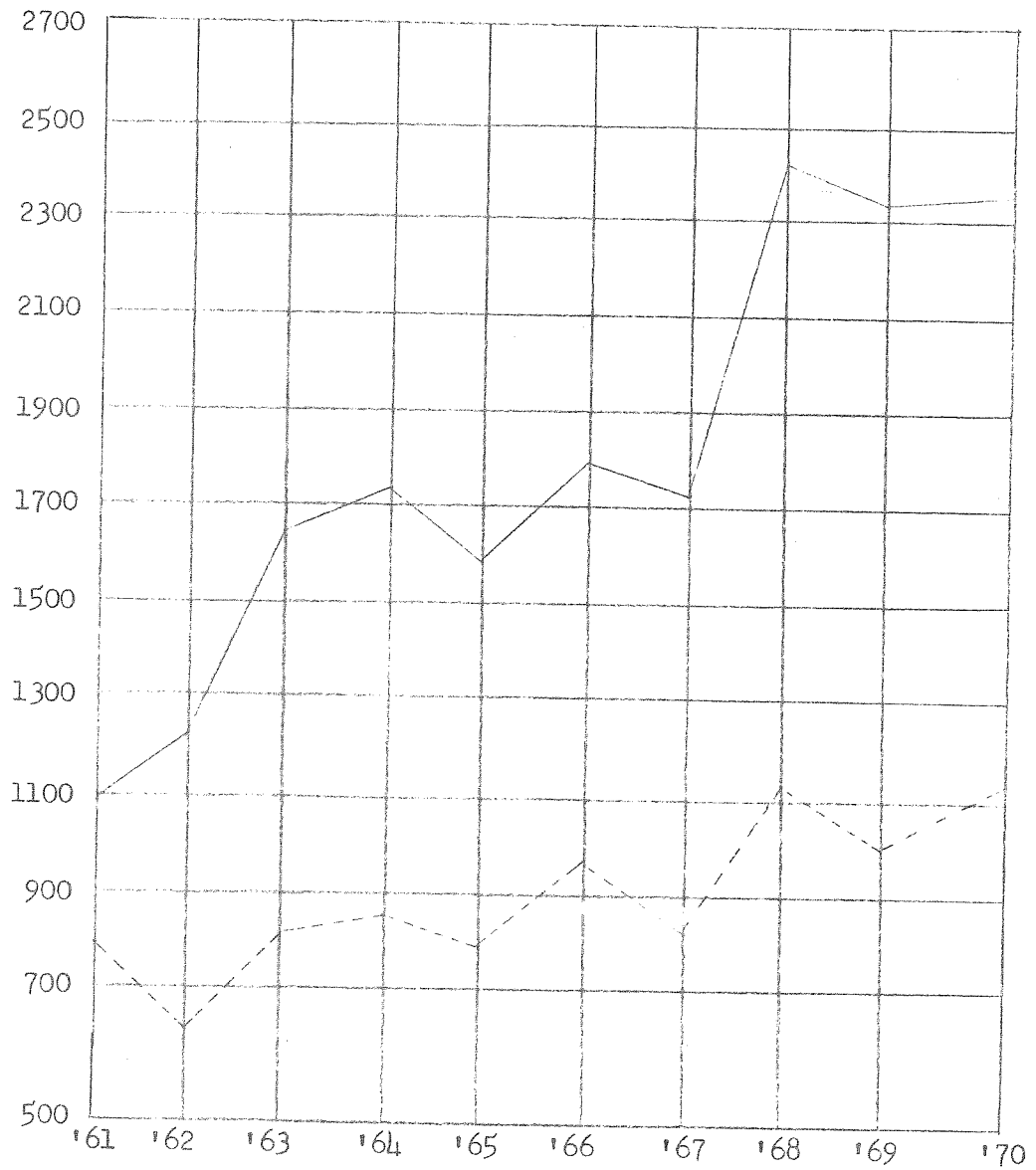
*Total insured loss for year 1970 is incomplete.

AVERAGE PER CAPITA FIRE LOSS, 10 Year Experience..... \$5.36

EST. POP. - 170,000

FIRE AND ALARM FREQUENCY

10 - Year Experience



Alarms:	1097	1226	1677	1727	1570	1764	1727	2425	2345	2352
Fires:	776	639	812	836	777	964	838	1125	1001	1119

——— Number of Alarms
 - - - Number of Fires

PERSONNEL DISTRIBUTION

Authorized Personnel for Year 1970

Chief.....	1
Assistant Chiefs.....	3
Fire Marshal.....	1
Chief of Training.....	1
Deputy Chiefs.....	4
Chief of Communications.....	1
Chief of Maintenance.....	1
Captains: Line Officers:	
Station.....	15
Lieutenants: Line Officers:	
Station.....	27
Asst. Trng. Officer....	1
Total Lieutenants.....	28
Fire Prevention Lieutenants.....	8
Assistant Mechanic.....	2
Dispatchers.....	5
Firefighters.....	<u>198</u>
TOTAL PERSONNEL-Fire Department.....	268
Civil Service Employees.....	<u>5</u>
TOTAL PERSONNEL: Authorized Strength.....	273

PERSONNEL -- 5 Year Experience

AUTHORIZED MEMBERSHIP OF DEPARTMENT	1966	1967	1968	1969	1970
Police and Fire Commission	243	243	268	268	273
Board of Personnel	3	3	4	5	5
TOTAL	246	246	272	273	278
New Members Appointed	23	13	37	14	1
Retirements	5	5	5	8	2
Resignations	13	5	3	3	0
Leave of Absence	0	0	0	0	0
Dismissals	0	0	0	0	0
Disability Retirement	1	2	1	2	2
Deaths	1	1	0	0	0
Military Leave	1	0	0	0	0
Complement Beginning of Year	240	244	246	273	271
Complement End of Year	244	246	273	271	269