

MADISON FIRE DEPARTMENT

MADISON, WISCONSIN

1959 ANNUAL REPORT

CHIEF EDWARD JOSEPH PAGE

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Fire Department

MADISON, WISCONSIN

Mayor Ivan A. Nestingen, Members of the Common Council, Board of Police and Fire Commissioners

Madam & Gentlemen:

In compliance with Section 6.15 of the General Ordinances of the City of Madison, the 103rd Annual Report of the Madison Fire Department is presented for the year ending December 31, 1959.

The understanding of the Mayor, members of the Common Council and the Board of Police and Fire Commissioners of the many and varied problems connected with fire service has contributed immeasurably to the efficient operation and administration of this department. For this I wish to express my sincerest appreciation.

There are, however, major problesm still confronting this department. One of these is the lack of Deputy Chiefs on the east side of the city; another is the lack of alarm dispatchers. As I have pointed out in previous Annual Reports and budget presentations, the alarm roon is the "nerve center" of any Fire Department and it should be staffed with specially trained personnel for this particular job.

The territory response area that our Assistant Chiefs are now required to cover is far in excess of all recommended practices. The City of Madison has now grown to such a point that additional Chief Officers are needed to provide adequate coverage for the far reaches of the east side. Authorization for these positions will again be requested in our 1961 budget requests.

During the past year three new pieces of fire apparatus were delivered to the City of Madison. These include one 85' Aerial Ladder and two 1000 Gallon Pumpers. These units were placed in service at Station No. 8 and Station No. 9 which has appreciably improved the operating efficiency of these two stations.

The approval of a new Rescue Squad in our 1960 Capital Budget will be of great value to the Department and the citizens of Madison. Specifications for this new truck will be drawn shortly after the first of the year and the unit should be in operation by late spring or early summer.

You will note from the statistics presented in this report that our total fire alarms for the year 1959 are 121 less than for the preceding year. Of this total number, 363 were classified as Building Fires; the remainder consisting of grass and brush, mistaken and false alarms, and investigations and special alarms. The statistics further point out that electric appliances, careless smoking, and defective electric wiring were the three major causes of building fires. It is evident, not only from these statistics, but also from national figures that public education in fire prevention must be constantly maintained. I should like to again express my appreciation to all members of the department for their cooperation and devotion to duty, all of which is worthy of the highest commendation.

Our fire statistics and activities of our various Bureaus are charted on the following pages.

Respectfully submitted,

Chief Edward Joseph Page Madison Fire Department

LOSS OF LIFE & PROPERTY

FIRE LOSS



AVERAGE FIRE LOSS, Insured; 10 Year Experience ----- \$259,113

MONTHLY FIRE LOSS RECAPITULATION

Alarms Attended - 1959

January	\$32,078.15
February	22,777.29
March	15,011.04
April	7,732.92
May	3,000.11
June	12,094.28
July	7,580.95
August	13.55
September	49,033.36
October	1,806.82
November	7,703.31
December	8,781.24

TOTAL FOR ALARMS ATTENDED

\$167,613.02

Alarms Not Attended - 1959

January February	3,786.88 5,298.77	
March	3,715.64	
Aparil	3,529.29	
May	3,102,59	
June	7,479.66	
July	7,186.65	
August	2,863.75	
September	2,639.88	
October	4,125.05	
November	2,096.41	
December	2,836.82	
TOTAL FOR ALARMS N	OT ATTENDED	\$ 48,661.39
TOTAL FIRE LOSS -	1959	\$216 , 274 . 41**

**This figure is subject to change as additional losses for 1959 are reported. PER CAPITA FIRE LOSS: 10 Year Experience



ALARM & FIRE FREQUENCY





10-Year Experience



3

ALARMS BY HOUR



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	ALARMS INVOLVING FIRE								ALARMS NOT INVOLVING FIRE		
MONTHS	In Buildings Dwelling Public Mercan- Mfg. Misc. Occup. Bldgs. tile				Misc.	Grass Brush Dumps	All Other Fires	False Alarms	Mistaken Alarms	Specials and Inves.	Total Number Alarms
January	25	2	7	l	0	0	13	4	2	16	70
February	.22	3	6	о	2	1	10	3	5	18	70
March	33	3	4	0	1	0	5	3	4	14	67
April	10	2	3	l	5	18	15	2	1	17	74
May	6	2	l	0	3	3	18	4	4	· 14	45
June	14	2	3	2	6	l	24	8	0	34	74
July	13	1	4	0	6	7	20	7	0	24	82
August	17	3	1	0	4	2	- 9	4	0	14	54
September	20	1	7	3	2	3	20	7	2	21	86
October	27	2	3	l	0	О	12	5	0	19	69
November	24	1	6	1	4	3	17	4	2	13	75
December	28	1	10	1	3	3	16	1	1	6	70
TOTALS	239	23	55	10	36	212	179	52	21	180	836

ALARM CLASSIFICATION

ș.

ALARMS INVOLVING FIRES: IN BUILDINGS

Public Buildings	23
Dwelling Occupancies	239
Mercantile	55
Manufacturing	10
Miscellaneous Buildings	36
TOTAL FIRES - BUILDINGS	363

PUBLIC BUILDINGS

Type		Cause)S
Hospitals	• 7	Incendiary Combustibles Near Heater Careless Smoking Miscellaneous Known Cause Patient With Matches Defective Electric Wiring Other Use Of Flammable Liquids.	コココココ
Churches	• 2	Electric Appliances & Motors Oil Burner	l l
Schools	. 11	Undetermined Rekindled Miscellaneous Known Cause Defective Incinerator Spontaneous Combustion Careless Smoking Incendiary Combustibles Near Heaters	1 2 1 2 1 2 1 2 1
Government Buildings.	• 2	Careless Smoking Miscellaneous Known Cause	1 1
Bowling Alley TOTAL PUBLIC BUTLDING		Defective Electric Wiring	$\frac{1}{23}$

DWELLING OCCUPANCIES

Flats	11	Electric Appliances & Motors Chimney, Soot Burning Defective Electric Wiring	1 1 1
		Defective Heater	1
		Children With Matches	1
		Combustibles Near Heater	1
		Careless Smoking	2
		Gas & Appliances	1
		Oil Burner	l
		Hot Ashes	1

DWELLING OCCUPANCIES (Cont'd)

Types

Causes

Dwellings	148	Chimney, Soot Burning. Electric Appliances & Motors Oil Burner. Defective Heaters. Careless Smoking. Miscellaneous Known Cause. Combustibles Near Heater. Burning Rubbish. Defective Electric Wiring. Children With Matches. Defective Fireplace. Grease On Stove. Lightning. Undetermined. Gas & Appliances. Other Use of Flammable Liquids. Fireworks. Overheated Oven. Hot Ashes.	
Hotels	Ц	Careless Smoking Miscellaneous Known Cause Grease On Stove	נ 1 2
Rooming Houses	7	Careless Smoking Oil Burner Electric Appliances & Motors Incinerator Hot Ashes	2 1 2 1 1
Apartments	60	Careless Smoking. Gas & Appliances. Grease On Stove. Incinerator. Chimney, Soot Burning. Combustibles Near Heater. Miscellaneous Known Cause. Sparks From Chimney. Electric Appliances & Motors. Oil Burner. Plugged Incinerator. Children With Matches. Lightning. Defective Electric Wiring. Defective Heaters. Sparks From Incinerator.	13 4 9 14 14 14 17 5 3 1 1 3 2 1
House Trailers	l	Combustibles Near Heater Oil Burner Sparks From Incinerator	2 3 1
Lodge	l	Combustibles Near Heater	1

	LLING OC	CUPANCIES (Cont'd)	
Types		Causes	
Dormitory	1	Electric Appliances & Motors	1
Cabin	<u> </u>	Defective Heater	1
OCCUPANCIES	239	TOTAL CAUSES	239
	MERCAN	TILE	
Tavern	4	Grease On Stove Electric Appliances & Motors Defective Electric Wiring	1 2 1
Large Single Occupancy.	5	Defective Heater Combustibles Near Heater Electric Appliances & Motors Defective Electric Wiring	1 2 1 1
Restaurant	10	Grease On Stove Defective Electric Wiring Oil Burner Careless Smoking Combustibles Near Heater Gas & Appliances	4 2 1 1 1
Retail Stores	18	Electric Appliances & Motors Defective Heater Defective Electric Wiring Careless Smoking Undetermined Burning Rubbish	5 1 6 1 1
Multiple Mercantile	l	Defective Heater	l
Offices	3	Defective Electric Wiring Careless Smoking	2 1
Newspaper Agency	1	Defective Heater	l
Business & Apartments	9	Grease On Stove Undetermined Defective Electric Wiring Sparks From Incinerator Combustibles Near Heater	2 3 2 1 1
Dry Cleaner & Laundry	3	Children With Matches Electric Appliances & Motors Gas & Appliances	1 1 1
Paint Stores	1	Careless Smoking	l
TOTAL MERCANTILES	55	TOTAL CAUSES,	and a state of the

MANUFACTURING

Types

Causes

Carpenter Shop	1	Defective Heater	1
Plastic Covering	1	Static Electricity	1
Research Products	1	Other Use of Flammable Liquids.	1
Brewery	1	Electric Appliances & Motors	1
Hospital Equipment	2	Undetermined Electric Appliances & Motors	1 1
Meat Packing	1	Undetermined	1
Bakery	1	Miscellaneous Known Cause	1
Printing Shop	2	Oil Burner Defective Electric Wiring	
TOTAL MANUFACTURING	10	TOTAL CAUSES	10

MISCELLANEOUS

Garage	11	Undetermined Burning Grass Children With Matches Careless Smoking Other Use of Flammable Liquid. Miscellaneous Known Cause Home Dry Cleaning	1151111
Lumber Yard	1	Hot Ashes	1
Auto Body Shop	1	Combustibles Near Heater	1
Shack	2	Combustibles Near Heater Children With Matches	1
Miscellaneous Structure.	9	Lightning Miscellaneous Known Cause Undetermined Sparks From Burning Rubbish Defective Electric Wiring Electric Appliances & Motors Combustibles Near Heater Spontaneous Ignition	
Auto Agency	1	Defective Electric Wiring	1
Salvage Yard Warehouse	4	Spontaneous Ignition Undetermined Combustibles Near Heater	121
Transfer & Storage	1	Defective Electric Wiring	1

MISCELLANEOUS

Causes Types Building Under Construction. 2 Burning Rubbish..... 1 Miscellaneous Known Cause l 2 Children With Matches..... 1 Barns.... Explosion..... 1 Filling Station..... Overheated Furnace..... 2 1 Defective Electric Wiring..... 1

BUILDING FIRES

<u>CAUSES</u>

Defective Heaters. Chimney, Soot Burning. Electric Appliances & Motors. Careless Smoking. Oil Burner. Miscellaneous Known Causes. Combustibles Near Heaters. Incinerator. Home Dry Cleaning. Gas & Appliances. Grease On Stove. Incindiary. Defective Electric Wiring. Defective Electric Wiring. Defective Fireplace. Rekindled. Children With Matches. Undetermined. Hot Ashes. Spontaneous Combustion. Defective Incinerator. Sparks From Chimney. Sparks From Burning Rubbish. Static Electricity. Lightning. Burning Grass. Patient With Matches.	60 40 2 2 1 9 2 1 9 1 3 8 1 2 8 4 4 3 5 1 5 1 4 1 1
Static Electricity Lightning Burning Grass	41
TOTAL CAUSES	363

APPARATUS & EQUIPMENT

-	1	1		
1955	1956	1957	1958	1959
87 , 850	80,000	88,350	119,100	113,250
6,500	4,450	5,720	10,000	7,050
89,380	97,150	98,400	103,250	92,700
16,564	15,399	15,560	19,369	16,981
3,980	3,184	3,926	3,986	4,626
1,091	1,126	1,158	1,474	1,300
	87,850 6,500 89,380 16,564 3,980	87,850 80,000 6,500 4,450 89,380 97,150 16,564 15,399 3,980 3,184	87,850 80,000 88,350 6,500 4,450 5,720 89,380 97,150 98,400 16,564 15,399 15,560 3,980 3,184 3,926	87,850 80,000 88,350 119,100 6,500 4,450 5,720 10,000 89,380 97,150 98,400 103,250 16,564 15,399 15,560 19,369 3,980 3,184 3,926 3,986

APPARATUS AND EQUIPMENT USED --- 5 Year Experience

DEPRECIATION RECORD

A four and one half percent depreciation write-off with a remaining value of ten per cent has been established as a fair method of arriving at a true financial value of our heavy duty fire apparatus. This established a life expectancy of twenty years for this apparatus. This method also provides an estimate of fire service value for apparatus retained in fire service beyond its life expectancy.

Upon the expiration of maximum life years, the ten per cent remaining value is carried for salvage recovery, plus the value of its protective services which cannot be ignored. The apparatus retained between twenty and thirty years is depreciated at the rate of one per cent of the original cost each year. At the end of thirty years the apparatus has been fully depreciated.

A life expectancy of five years has been established for our officer cars which are required to perform at peak efficiency under the most strenuous use. Constant and demanding use of our other vehicles has established that a life expectancy of eight years is lenient and within safety limits.

Our apparatus depreciation schedule is charted on the following page. This shows the date of purchase, the original cost price, the value as of December 31, 1959 and the date this apparatus should be retired.

APPARATUS DEPRECIATION

DESCRIPTION	DATE PURCH.	ORIG. COST	LIFE YRS	PERC. DEPR.	AMOUNT DEPR.	VALUE 12/31/59	DATE TO RETIRE	YRS. OF SERV
an, Chevrolet	6/1/59	1,850	5	20	740	1,110	1963	1
an. Buick	2/1/51	2,000	5	20	2,000	0007 maa 900	1956	8
o Gal. Pumper mican LaFrance)	9/15/48	19,756	20	造	9,780	9,976	1968	11
Ft. Aerial Trsch)	11/12/49	35,862	20	4 <u>1</u>	15,177	20,685	1969	10
cue Squad (Chev.)	11/11/49	3,500	8	12 1	3,500		1957	10
0 Gal. Pumper	12/28/56	20,979	20	4 1 2	2,832	18,147	1976	3
Gal. Pumper eagrave)	2/2/34	6,200	20	뷶	5,952	248	1954	26
an (Nash)	10/29/47	1,645	5	20	1,645	600 and 600	1952	12
el Truck, Maint. ord)	1/1/54	1,130	8	12 1	848	282	1962	.6
Gal.Pumper, Foam eagrave)	8/1/25	12,500	20	4클	12,500		1945	34
0 Ga. Pumper merican LaFrance)	9/15/48	19,756	20	ᅝ	9,780	9,976	1968	11
Ft. Aerial, Pirsch	2/20/50	30,862	20	4 <u>1</u>	13,868	16,994	1970	10
an (Chevrolet)	6/1/58	1,850	5	20	740	1,110	1963	2
h Pressure (Ford)	9/15/48	2,500	8	12 <u></u>	2,500	ر التي التي التي التي التي التي التي التي التي	1956	11
0 Gal. Pumper erican LaFrance)	9/15/48	19,756	20	4 1 2	9,780	9,976	1968	11
Ft. Aerial, Pirsch	2/9/50	30,862	20	4코	13,868	16,994	1970	10
D Gal. Pumper Lrsch)	12/28/56	20,979	20	412	2,832	18,147	1976	3
Gal. Pumper eneral)	9/1/39	9,183	20	4 <u>1</u>	8,264	919	1959	20
rt. Aerial Sagrave)	2/1/58	39,692	20	412	3,572	36,120	1978	2
) Gal. Pumper Lrsch)	1/12/59	21,590	20	ᅝ	972	20,618	1979	l
ler Service Truck	11/20/24	9,500	20	4월	9,500	100 may 100	1944	35
Gal. Pumper Sagrave)	4/20/35	6,623	20	4클	6,291	332	1955	25
't. Aerial(Pirsch)	11/1/59	37,990	20	4코		37,990	1980	0
	12/26/29	15,500	20	냬클	15,500	Saille Cattle start	1949	30
un, (Chevrolet)*								
m, (Chevrolet)*								
n, (Plymouth)*								
OTALS		\$372,065			\$152,441	\$219.624		

ade-In from other department approximately every two years - Budget

PERSONNEL

PERSONNEL DISTRIBUTION

Authorized Personnel for Year 1959

Chief	1
Assistant Chiefs	3
Deputy Chiefs	2

Captains:

 Line Officers:

Station Relief	12 2	14	
Fire Prevention Bureau Training & Instruction Maintenance	1 1 1		
Total Captains		3	17

Lieutenants:		
Line	Officers:	
	Station 12 Relief	
Tota	1 Lieutenants	18

Fire Frevention Inspectors	7
Assistant Mechanic	1
Firefighters	164
TOTAL PERSONNEL - Fire Department	213
Office Employees	2
TO TAL PERSONNEL: Authorized Strength	215

PERSONNEL -- 5 Year Experience

AUTHORIZED MEMBERSHIP OF DEPARTMENT	1955	1956	1957	1958	1959
Police and Fire Commission	190	192	193	21 3	213
Board of Personnel	2	2	2	2	2
TOTAL	192	194	195	215	215
New Members Appointed	21	8	8	21	5
Retirements	l	1	3	0	1
Resignations	ב	6	2	1	4
Leave of Absence	0	l	0	0	0
Dismissals	0	0	0	0	0
Disability Retirement	1	0	1	0	0
Deaths	0	0	0	0	0
Military Leave	0	0	0	0	1
Complement Beginning of Year	174	194	194	195	215
Complement End of Year	192	193	195	215	214

PERSONNEL ROSTER

December 31, 1959

STATION NO. 1

Chief Edward Joseph Page Asst. Chief Edward P. Durkin Asst. Chief William F. Lynaugh Asst. Chief John E. Huston Captain Erwin G. Beale Captain Vincent J. Geier Lieutenant Walter G. Ayers Lieutenant Russell A. Mani

Private Christian P. Andersen Private LeRoy V. Anderson Private Lester E. Archibald Private Douglas K. Bailey Private Phillip J. Behrend Private John E. Bingham Private Donald C. Berray Private Donald E. Black Private Rexford W. Colvin Private Raymond H. Disch Private Darrell J. Fleming Private Robert D. Fuller Private Dale F. Gritzmacher Private Frederick R. Grob Private Harold N. Hansen Private Michael M. Hauser Private Charles W. Kalar Private Alvin T. Johnson Private Arthur P. Kaltenberg Private Edwin L. Kjin

Private Harold P. Klein Private Eugene G. Knudtson Private Joseph Lawrence Private Frank R. Leverentz Private Fred W. Manthe Private Richard L. McCann Private Charles R. Merkle Private Percy Moen Private Robert D. Mutch Private Kendall E. Niebuhr Private Ralph K. O'Brien Private Donald M. Olson Private Theodore T. Ryan Private Leo E. Shillinglaw Private Donald A. Simon Private Philip J. Statz Private Gilman S. Stone Private Orville E. Vallem Private James L. White Private Edward B. Willauer

STATION NO. 2

Captain Fred A. Rice Lieutenant Harold R. Dennis

Private Orval Austin Jr.	Private Francis P. Roberts
Private Robert H. Fleming	Private G. Neil Rossmaessler
Private James W. Hickey	Private James E. Spangler
Private Walter J. Kwiecinski	Private Donald J. Wilder
Private James V. McAusland	Private Paul E. Welsch
Private Arnold C. Moen	Private Wayne Wolff

STATION NO. 3

Captain James M. Engelberger Captain Arthur Wilcox Lieutenant Louis F. Hoffman Lieutenant Harland A. Lippolt

Private Carl E. Austin Private Lloyd W. Briggs Private Thomas D. Flynn Private Berton H. Gessler Private Kenneth R. Gibbs Private Robert A. Gruber Private James M. Gschwend Private James M. Gschwend Private Arthur J. Halverson Private Stanely V. Hermanson Private Leon G. Holl Private Keith F. Lawler

Private William J. Leroy Private Marvin D. Matranga Private Leonard S. Nelson Private Duane M. Roeske Private Allan N. Sherman Private Dean J. Skare Private Michel P. Sullivan Private William J. Sullivan Private Earl R. Tiedt Private Joseph Wedikind

STATION NO. 4

Deputy Chief Ralph McGraw Deputy Chief Harold O. Muenkel Captain Henry W. Anderson Captain Phillip A. Narf Lieutenant Edsel F. Kingsley Lieutenant Eldon E. Maginnis

Private Phillip J. Berhend Jr. Private Peter F. Breitenbach Private Robert P. Couture Private Walter E. Ferguson Private James E. Fraser Private James L. Gilbert Private Harry G. Klinger Private Donald D. Knutson Private Linus E. Odegaard Private Lyle D. Mepham Private W. Carson Mettel

Private Roger W. Myers Private Chester A. Parker Private Bernard J. Reilly Private Richard H. Rossmaessler Private John R. Tappen Private Theodore L. Tauchen Private Paul R. Toltzien Private Stephen J. Triggs Private Arthur D. Wicks Private Donald R. Wilcox Private Wilbur C. Wright

STATION NO. 5

Captain Harold L. Starkweather Lieutenant Erwin M. Lichte

Private	Donald Bingham
Private	James Dolderer
Private	Emil G. Goikovich
Private	Arthur L. Hanson
Private	Cecil J. Hendricks
Private	Arnold H. Horstmeyer

Private Marvin J. Kammer Private Donald R. Lumsden Private Joseph E. Martinelli Private Ronald J. Reuter Private Robert G. Scheer Private Glenn A. Wilcox

STATION NO. 6

Captain Arthur T. Emerson Lieutenant Oscar F. Pankow

Private Donald P. Annen Private William F. Block Private William A. Carow Private William T. Ferger Private John H. Fiscus Private Merwyn W. Gorsuch Private Donald A. Huggins Private Donald D. Knudtson

Private Ellington H. Lansdowne Private Eugene A. Peterson Private George A. Reilly Private Paul G. Reublin Private Robert M. Schumann Private James H. Statz Private Ralph E. Triggs Private Mel Troia

STATION NO. 7

Captain Willson H. Donkle Lieutenant Edward J. Bokina

Private Arnold R. Andrews	Private Duane D. Neitzel
Private Dean R. Beyler	Private Harold T. Paltz
Private Lester E. Blackmer	Private Oscar A. Petry
Private William L. Clapp	Private John G. Randall
Private Mathew M. Coronna	Private James F. Shipley
Private Dean G. Eveland	Private Victor A. J. Stormon
ittvate Deall G. Eveland	Private Victor A. J. Stormer

STATION NO. 8

Captain Richard Adank Lieutenant Arthur E. Spring

Private Joseph H. Bauer Private James E. Bitney Private Vernon C. Dahnert Private Clair R. Flint Private James R. Johnson Private Harland Ledding Private Jerome J. Lukas

Private Robert E. Odegaard Private Joseph G. Otto Private Donald J. Schmitt Private Alfred M. Sime Private Cyril F. Tiedt Private Leo F. Tiedt Private Theodore A. Williams

STATION NO. 9

Captain Joseph F. Buechner Lieutenant Walter B. Gavin

Private Thomas J. Barry
Private Robert B. Burns
Private Joe M. Conway
Private Edward D. Durkin
Private Robert E. Egener
Private Carl Fiscus
Private Robert H. Gessler
Private Daryl J. Griffin

Private John L. Luther Private Richard L. Means Private Thomas F. Moore Private Chester A. Parker Private George W. Piernot Private Joseph D. Roberts Private Werner P. Schorr Private Charles R. White

FURLOUGH OFFICERS

Captain Edward E. Knope Captain Charles E. Hessling Lieutenant Robert L. Albright Lieutenant Kermit E. Hermanson Lieutenant Joseph J. Kerwin Lieutenant Raymond A. Martinson Lieutenant Paul G. McCallum Lieutenant Frank N. McMahon

BUREAU OF MAINTENANCE

Captain Arne W. Lerwick Asst. Mech. James C. Olson

FIRE PREVENTION BUREAU

Captain George L. Stanek Inspector Charles H. Gilbert Inspector Harrison R. Langley Inspector Harry A. Page Inspector Carroll H. Paltz Inspector Joseph L. Tisserand Inspector Kenneth O. Vodak Inspector Vincent W. Wonn

BUREAU OF TRAINING AND INSTRUCTION

Captain Maurice T. Nason

BOARD OF PERSONNEL EMPLOYEES

John N. L. Hereid Ralph C. Reda

BUREAU OF FIRE PREVENTION

CAPTAIN GEORGE L. STANEK



Chief Edward Joseph Page Madison Fire Department Madison, Wisconsin

Dear Sir:

Despite sizeable annexations with the attendant increase of burnable properties and fire hazards, the fire loss for the year 1959 was remarkably low. Fire records for the year indicate not only a low monetary and property loss from fire, but also a low fire incidence, or fires to which the department responded. Such figures, however good, can never be interpreted as indicative of a continuing downward trend in either losses or responses to create in the minds of a fire department or citizenry as sense of complacency or false security. True, national statistics do indicate such turn, but locally the figures may disrupt violently as the result of only one fire.

The Bassett Street fire of 1958 is a good example of this. Though this was only a single fire run with no reaction on fire response figures, the monetary loss was so great as to render ineffectual any comparison with national figures. In other words, although it had a drastic effect on a local graph, there was little or no reaction on a national scale.

Realistically, about the only conclusion and comfort that may be drawn from a favorable local experience is that if it occurred once, it may occur again and again; and eventually it may be that the low loss year is the rule rather than the exception.

A detailed record of the activities of the Fire Prevention Bureau during the past year may be found on the succeeding pages of this report.

Respectfully submitted,

Genye L. Stauk

George L. Stanek, Captain Fire Prevention Bureau

INSPECTION BY OCCUPANCY																		
MONTHS	Cla	iss I	Cla	ss II.	Clas	s III	Clas	s IV	Clas	Class V		Specials		ar	Reinsp.		TOT	ALS
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
January	46	69	200	140	303	272	18	53	73	135	505	452	118	195	17	22	640	669
February	58	32	138	247	337	331	21	32	88	93	390	597	224	124	28	14	642	735
March	55	30	241	222	312	232	23	33	81	94	484	433	219	176	9	2	712	611
April	45	38	181	197	460	309	27	57	67	143	491	532	260	208	29	4	780	744
May	24	29	87	356	246	355	11	64	45	154	315	642	85	312	13	4	413	958
June	37	33	171	276	459	274	19	29	55	117	561	453	149	264	31	12	741	729
July	41	34	191	271	452	275	20	48	69	136	556	558	185	185	32	21	773	764
August	47	14	174	187	323	165	18	27	49	86	469	285	136	183	6	11	611	479
September	25	45	129	193	321	191	18	33	61	96	441	365	112	191	1	2	554	558
October	12	. 9	57	114	182	103	- 6	10	25	: 34	215	125	60	126	7	19	282	270
November	41	39	82	216	316	373	20	46	63	115	331	653	179	119	12	17	522	789
December	48	24	90	218	610	501	29	65	110	117	672	843	191	75	24	7	887	925
TOTALS	479	396	1741	2637	4321	3381	230	497	786	1320	5430	5938	1918	2158	209	135	7557	8231

DEFECT BY OCCUPANCY												
MONTH	CLAS	SS I	CLASS II		CLAS	CLASS III		CLASS IV		CLASS V		ALS
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
January	12	32	45	100	46	39	1	14	24	13	128	198
February	29	12	82	28	68	23	2	0	43	8	224	71
March	3	3	134	83	51	18	15	5	38	3	241	112
April	15	2	148	42	95	34	14	3	19	10	291	91
May	6	9	34	72	41	52	0	12	6	43	87	188
June	7	3	76	141	58	25	4	2	17	13	162	184
July	16	2	74	81	56	30	3	6	9	14	158	133
August	14	5	28	89	40	24	7	4	4	7	93	129
September	5	12	41	129	29	20	4	7	4	7	83	175
October	2	4	6	41	40	6	0	0	13	3	61	54
November	10	12	53	29	72	23	9	l	29	9	173	74
December	4	5	31	27	88	9	10	3	31	2	164	46
TOTALS	123	101	752	862	684	303	69	57	237	132	1865	1455

- CLASS I Includes government buildings, hospitals, institutions, schools, amusement buildings, etc.
- CLASS II Includes all occupancies used for the purpose of shelter or residence.
- CLASS III Includes all buildings used for mercantile, commercial, or similar purposes.
- CLASS IV Includes all buildings used for manufacturing purposes.
- CLASS V Includes such miscellaneous buildings as railroad property, public and private garages, filling stations, lumber yards, warehouses, etc.

BUREAU OF TRAINING S INSTRUCTION

CAPTAIN MAURICE T. NASON



Edward Joseph Page, Chief Madison Fire Department Madison, Wisconsin

Dear Sir:

Training and Instruction during 1959 was extended to the department by the station and itinerant officers. Their efforts are statistically shown in the accompanying chart of training hours. Hours of drill are itemized in total, annual time spent by each shift. The chart also gives a breakdown of hours spent on each training subject. Approximately one-sixth of the total drill time for all stations was spent learning new station territory which was constantly expanding due to frequent extension of service into newly annexed areas.

Special emphasis was directed toward providing the stations with information necessitated by the annexations. While the bureau was drafting suitable territory maps and related information, the assistant chiefs, deputy chiefs and station officers were securing information on names of residents, water supply, plans for extensive hose lays and pumping requirements, together with the application of methods of rural fire extinguishment - all of which were organized into suitable instruction material for the fire fighting force. With the extension of service of the tank farm, there was a need for considerable time to be spent sketching and familiarizing the personnel concerned with the private foam systems which must be operated to protect the many millions of gallons of flammable liquids in this area in the event of fire.

The subject of Radioactive Isotopes and their concern to fire fighters, was given in an Atomic Energy Commission sponsored course to the bureau and extended to the entire department personnel. The subject was entirely new and presents a continuing challenge to us if we are to fathom the peculiar behavior of these energetic isotopes sufficiently to execute intelligent fire fighting and rescue operations wherever they may be present. Although 1959 saw the introduction of basic facts concerning radiation behavior, it is most obvious that fire fighters will need to keep themselves constantly abreast of future developments and expansion in the use of radioactive isotopes for industry, agriculture, medicine and laboratory research. Also, its use in weapons, though classified information, must of necessity carry adequate understanding by the fire fighting profession.

The chart of hours of training shows very definitely that our fire fighting force is spending considerable time to improve its knowledge and abilities in all techniques and evolutions. This time is spent in the classroom, practicing with equipment, study of assigned and approved text material, research and experiments to discover and/or prove values. Although the work of this bureau is primarily to assign and coordinate instruction, there is little need for an extensive phase of the coordinating requirement. This is due to the energy and interest applied by the fire fighters under the daily leadership and guidance of their respective officers.

There is an increasing need for space and facilities to carry on the training program. It is my hope that we will be able to plan and develop

a drill school suitable for training activities away from traffic congestion where companies can be dispatched for in-service participation in a uniform training program. We have now reached a sufficient population and responsibility level to justify early and definite action which will provide these facilities. No longer are we able to efficiently perform hose, pump, ladder and other basic evolutions of fire training without too much interference being present. Either we interfere with the peace of a residential area or heavy traffic conditions interfere with our efforts. In either event, efficiency of the particular evolution is lost. Because these stated basic evolutions are a continuing phase of our instruction during the entire career of all fire fighters, many hours are devoted to these classes. This can be easily seen by observing the hours chart of the drill record for any year.

I wish to take this opportunity to extend not to any one individual, but to the entire department my grateful appreciation for the loyal manner in which it has accepted its responsibility; and for its cooperation and assistance which is directly responsible for any degree of success which this bureau may possibly enjoy.

Respectfully submitted,

Claurices lass

Maurice T. Nason, Captain Bureau of Training & Instruction

1959 ANNUAL DRILL RECORD TOTAL HOURS FOR STATION, SHIFT AND SUBJECTS

SUBJECTS	STA. 1		STA. 2		STA. 3		STA. 4		STA. 5		STA. 6		STA. 7		STA. 8		STA. 9		
	A	В	A	В	A	B	A	В	A	В	A	В	A	В	A	В	A	В	TOTALS
Station Territory	26	40	40	42	29	32	53	30	46	30	30	38	45	29	44	26	65	33	678
Tools & Equipment	36	17	22	19	32	27	12	27	21	14	23	13	19	31	23	20	19	16	391
First Aid & Rescue	32	21	23	27	13	19	25	30	27	31	17	11	18	30	25	15	17	21	402
Hose Evolutions	29	14	22	25	34	24	17	21	31	20	22	15	16	24	11	26	20	21	392
Ladder Evolutions	14	19	2	6	19	21	15	20	8	10	23	12	13	6	7	10	19	23	247
Pump Operations	16	16	14	13	18	12	12	15	19	14	28	7	38	30	11	11.	20	21	315
Hydraulics	4	13	19	22	11	21	18	9	16	19	14	8	10	23	15	7	10	14	253
Ropes, Knots & Hoisting Tools	10	7	8	12	7	9	7	20	8	10	15	12	5	9	13	13	10	11	186
Ventilation & Forcible Entry	4	4	9	8	0	2	3	6	11	20	5	9	2	10	6	26	4	12	141
Text Handout Literature	2	2	7	4	3	0	1	0	3	7	2	0	5	2	6	3	6	0	53
Salvage & Overhaul Practices	4	2	2	4	4	6	6	10	12	6	5	6	7	10	6	10	8	7	115
Apparatus Practices & Driving	9	10	4	4	7	8	8	6	5	5	2	18	8	7	13	18	5	7	144
Review - All Subjects	5	7	10	6	23	14	11	10	7	18	6	12	13	5	19	6	9	11	192
Rules, Laws & Codes	7	0	0	3	2	2	3	3	4	4	7	0	2	0	2	6	3	4	52
Annual Examination - Revue	2	4	0	0	3	4	1	5	0	0	2	0	2	0	0	0	2	0	25
Simulated Fire Attack	2	6	2	2	2	3	4	5	2	1	1	7	4	2	4	2	0	6	55
Radiation Hazards - Isotopes	3	5	3	3	3	3	7	7	6	4	5	4	4	5	4	3	4	3	76
Miscellaneous Subjects**	3	2	4	2	1	4	0	2	8	2	9	6	3	0	6	0	0	2	54
TOTALS	208	189	191	202	211	211	203	226	234	215	216	178	214	223	215	202	221	212	3771

**Water Supply Fire Chemistry Underground Utilities Electrical Hazards

Fire Cause Aircraft Crash Fires-Rescue Matural Gas Fires Building Construction

Promotional Study Equipment in Reserve Sprinkler Systems - Standpipes



CAPTAIN ARNE W. LERWICK

Chief Edward Joseph Page Madison Fire Department Madison, Wisconsin

Dear Sir:

The following is a brief summary of the activities of the Bureau of Maintenance for the year ending December 31, 1959.

In October 1959, delivery was made to the City of Madison of a new 85 foot Pirsch Aerial Ladder Truck. After extensive tests were conducted on all phases of its mechanical operation and equipment, this apparatus was put into service at No. 5 Fire Station on October 29, 1959.

In January 1959, No 8's Firsch Quad was involved in an accident to the extent that for all practical purposes it was beyond repair.

On November 16, 1959, No. 9 Engine and Ladder Truck were involved in an accident that demolished the Ladder Truck beyond repair and seriously damaged the engine. The engine was repaired in our shop and again put into service. These two unfortunate occurances caused a considerable amount of time and work due to the switching around of equipment and the necessity of having to use two old pumping engines in their place.

In addition to the routine service, maintenance and repair calls, which during 1959 exceeded 800, annual tests were conducted on all pumpers as well as on all sections of fire hose.

The assistance and cooperation which you and all the officers and men have given the Bureau of Maintenance during the year 1959 has been sincerely appreciated.

Respectfully submitted,

Une W. Lerwick

Captain Arne W. Lerwick Master Mechanic