ONE HUNDRED FIRST ANNUAL REPORT



FIRE DEPARTMENT

CITY OF MADISON, WISCONSIN

CHIEF EDWARD JOSEPH PAGE 1957

N N N UDAL

Fire Department

MADISON, WISCONSIN

ENDING DECEMBER 31, 1957

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

Madam & Gentlemen:

The One Hundred and First Annual Report of the Madison Fire Department is presented for the year ending December 31, 1957.

In submitting this report I want to express my gratitude and appreciation to the Mayor, members of the Common Council, and the Board of Police and Fire Commissioners for their untiring efforts in promoting the welfare of this Department. The cooperation that has been given during this past year has been very gratifying and has contributed in a large measure to the efficiency of this department.

Our recorded fire loss for 1957 of \$164,700 is approximately \$62,000 greater than that charted for the preceeding year. It is interesting to note, however, that one major fire early in January, contributed \$31,000 or fifty percent of this entire increase. Fire loss figures provide very useful statistics to determine fire experience trends within a particular city by comparing present with past fire losses. These figures must be used with some discretion, however, since one or two large major fires may distort the trend.

During the year 1957, land was acquired, an architect retained, and contracts let for the building of Station No. 9 which will be located on South Midvale Boulevard. When this station is completed in the early summer of 1958 it will give those citizens on the west side of Madison far greater protection than has been available in the past.

Our next major project must be the building of Station No. 10 on the far north side of the city which at the present time does not have the protection that a large residential area of this kind should have. Funds should be provided for this major capital improvement in our 1958 budget.

During the year 1957 a new 85 foot aerial ladder was purchased from the Seagrave Company. When this aerial is delivered and put in service sometime after January 1958 at Station No. 6 it will contribute greatly to increased response efficiency for that station which is the first company in at various hospitals and other public buildings in the City of Madison.

The approval of two Deputy Chief positions in our 1958 budget is a progressive step forward in our continuing goal to increase efficiency in this department. As I have pointed out in previous Annual Reports and budget presentations, the lack of sufficient Chief Officers has presented many problems during the past ten or twelve years. Two more officers of this rank are necessary to provide the coverage necessary for a city of this size and these additional positions will again be requested in our 1959 budget presentation. I want to publicly express my appreciation to all officers and members of this department for their cooperation and efficient dispatch of duties during this past year. No organization, department, or division can ever be better than the personnel who make it up. The citizens of Madison are fortunate to have in their Fire Department, personnel whose devotion to duty can never be questioned.

The Fire statistics and the activities of our various Bureaus are given on the following pages.

Respectfully submitted,

sah.

Chief Edward Joseph Page, Madison Fire Department

LOSS OF LIFE & PROPERTY



FORE LOSS





MONTHLY FIRE LOSS RECAPITULATION

Alarms Attended - 1957

January	\$35,695,80
February	23,400,56
March	5,188,58
April	3,418,43
May	13,510,79
June	1,099,90
July	18,325,58
August	18,267,13
September	6,354,89
0	6,354,89
October	1,402,54
November	4,258,96
December	4,784.68

Total For Alarms Attended

\$135,707.84

Alarms Not Attended - 1957

January	3,295,77
February	2,975,46
March	1,066,42
April	1,795.96
May	1,446.13
June	3,647,67
July	2,509.88
August	2,881.60
September	1,137.47
October	2,476,98
November	3,554,15
December	2,213,31

Total For Alarms Not Attended

\$ 29,000.80

TOTAL FIRE LOSS - 1957

\$164,708.64**

**This figure is subject to change as additional losses for 1957 are reported.

PER CAPITA FIRE LOSS: 10 Year Experience



10

*Total insured loss for year 1957 is incomplete.

AVERAGE PER CAPITA FIRE LOSS \$2.10

ALARM & FIRE FREQUENCY



78.78783

FIRE AND ALARM FREQUENCY

10-year experience

Number of Alarms

.02



Number of Fires



ALARMS BY HOUR

A. M.





ALARM CLASSIFICATION

			ALARMS I	NVOLVING 1	FIRE			ALARMS	NOT INVOLV	ING FIRE	
		In	Buildings	3		Grass	All			Specials	Total
MONTH	Dwelling Occup.	Public Bldgs.	Mercan- tile	Mfg∙	Misc.	Brush Dumps	Other Fires	False Alarms	Mistaken Ala r ms	and Inves.	Number Alarms
January	33	3	3	ļ	2	0	8	8	6	9	73
February	27	0	5	0	0	2	ц	1	1	6	53
March	21	0	6	0	l	23	9	l	2	8	71
April	21	l	8	3	l	25	11	3	l	7	81
May	20	2	6	l	2	7	11	3	0	9	61
June	19	0	4	2	2	0	14	5	1	12	59
	13	0	5	4	5	2	15	2	2	15	63
July		4	3	ı	7	3	17	4	2	10	66
August	15		6	3	3	1	11	2	4	5	53
September	18	0		_		7	8	6	2	15	59
October	13	0	4	1	3		5	8	3	11	57
November	19	0	3	0	3	5		5	1	21	76
December	19	0	3	1	1	13	12				
TOTAL	238	10	56	17	30	88	132	48	25	128	772

									В	UILD	ING	FIRE	5 -					1										
	50 1											CAUS													1		0	
OCCUPANCIES OF BUILDINGS	Chimney, Soot Burning	Spontaneous Ignition	Sparks On Wooden Shingle Roof	Electric Appliances and Motors	Misc. Known Causes	011 Burner	Defective Heater	Gas & Appliances		Defective Electric Wiring	Children With Matche	Other Uses of Flammable Liquids	moki	Hot Ashes	Overheated Chimney	Undetermined	Suspected Incendiary	Combustibles Near Heaters	Rekindled	Sparks From Torch	Sparks From Incinerator	Lightning	Burning Rubbish	Starting Fires, Kerosene	Careless Use Of Flammable Liquids		TOTAL BUILDING FIRES	
I. PUBLIC BUILDINGS										3								-									4	
Schools									1		********							1						ł			4	
Clubhouse			1							1											1			1	-		2	
Theatre																1					-			1		•	2	
Stadium U. Labratory									1]	1		1	
Compart Hara I ATTIC																				1							1	10
II. DWELLING OCCOPANOIED	15	1	2	28	13	19	12	2	10	11	8	1	10	3	7	2		1.				2	1		2		147	
Dwelling	12		1	28	1	5	8	2	7	3	6	1	8	2	1	2		4				2	1		2		62	
Apartments	2		-	1	2	1	2		1	1	2		1		1	2		2					٦		-		16	
Flats Hotels													2			-								1		1	2	
Dormitory					1								1	-										1			2	
House Trailers				1						11				-		1										ļ	3	
Rooming House		1			1	1											1							.			4	
Lodgirg House			-			1	1							1		1							ļ			ł	1	238
Fraternity House III. MERCANTILES			-	1			1		1		1	1		1											-	1		20
Business Restaurants	1		1	2	1			1	3	2																	9	
Retail Stores	1	1		1		1		ļ		3			4	1		3							[1]		15	
Store & Offices					1				2	3	2		7														1	
Business & Apartments Offices	2			3	2	11			6	2	<u> </u>		1			2							ļ					
Single Large Occupancies				17	3			••••••					1	1		1											4	
Commercial Photographer					······	1			1	1]		<u> </u>			·····						-		4	
Upholstering Shop					1	1		1								2			1				1	1		1	14	56
IV. MANUFACTURING																							1	1		1		
Meat Packing Plant	1																	1						ļ			1	
Research Labratory Bakery							•							-				1				ļ					1	
Bottling Company													1		.								+				1	
Water Heater Mfg.	1				1	1		1	-	1						1										1	1	
Dairy Mfg.	1	-				1										1							1	1		1	1	
Paint Factory	1	1								11			1									1	1	1			3	
Paper Box Mfg.	1																							1			3 1 1	
Hospital Equipment Mfg. Foundry	-									11			1														1	
Newsprint.	-							-	-				1					1								1	2	
Tire Shop	-								-						 	2						+				1	2	
Machine Shop		1			1			1	1		1			1								1	+			1	1	17
V. MISCELLANEOUS		1	1												1					1		1	1	1	1		1	
Public Gamage										1				-					1							1	3	
L warehouses																									1		3 1 1	
mivate Garages		+						17	-	11	2		1			1					ļ						1	
LIUDITC III+STS +	-	1				-	-			3	- C.					2		1		ļ			1	11			3	
Hiscellaneous Buildings	1	1	1		1				1	1	2		3			2		2								1	12	30
TOTAL BUILDING FIRES	29	4	1.	47	25	30	23	5	25	36	22	1	36	-		1	-			-	7	2	2	17	2	2	351	351
	19	1 4	4	141	1 43	150	10	12	10	1.0	1 44	1 -	100	5	2	26	1	14	2	1	1	3	3	1	3	14	1991	111

.



	والمحافظة والمتحافظة والمراجع والمحاجة ومكفلا مقاف متعاويتهم				
Apparatus & Equipment	1953	1954	1955	1956	1957
2 ¹ " Hose Laid	85 , 461	91 , 000	87,850	80,000	88,350
1 ¹ / ₂ " Hose Laid	15,450	550و 9	6 , 500	4,450	5,720
Booster Hose - Feet	87 , 700	88,300	89 , 380	97 , 150	98 , 400
Booster Gallons	19 , 848	16 , 598	16 , 564	15 , 399	15,560
Ladders Raised - Feet	3,009	3,085	3,980	3 , 184	3,926
Total Company Runs	1,349	1,215	1,091	1,126	1,158

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 establishes 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 percent 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, 1957 and the date this apparatus should be retired.

APPARATUS DEPRECIATION

STA. NO.	DESCRIPTION	MAKE	DATE PURCH.	ORIG. COST	LIFE YRS.	PERC. DEPR.	AMT . DEPR .	VALUE 12/31/57	DATE TO RETIRE	YRS. OF SERVICE
1	Sedan	Buick	2/1/51	000و2	5	20	000 و 2		1956	6
11	Sedan	Nash	10/29/47	1,645	5	20	1,645		1952	10
11	1250 Gal. Pumper	Am. LaFrance	9/15/48	19,756	20	4글	001و8	11,755	1968	9
11	100 Ft. Aerial	Pirsch	11/12/49	35,862	20	4월	12,910	22,952	1969	8
1	Rescue Squad	Chevrolet	11/11/49	3,500	8	12를	3,500	-	1957	8
2	1250 Gal. Pumper	Pirsch	12/28/56	979و20	20	4글	944	20,035	1976	1
2	600 Gal. Pumper - Aux.	Seagrave	2/2/34	6,200	20	4글	5,828	372	1.954	24
3	Panel Truck-Maint.	Ford	1/1/54	1,130 و1	8	12늘	- 565	565	1962	4
3	750 Gal, Pumper-Vol Liq.	Seagrave	8/3/25	12,500	20	4글	500 و 12	toriona	1945	32
3	1000 Gal. Pumper - Aux.	Seagrave	12/26/29	15,500	20	4=	15,239	261	1949	28
3	1250 Gal. Pumper	Am. LaFrance	9/15/48	19,756	20	4를	8,001	11,755	1968	9
3	85 Ft. Aerial	Pirsch	2/20/50	30,862	20	4클	11,110	19,752	1970	8
4	High Pressure 🛏 3" Lines	Ford	9/15/48	2,500	8	12를	2,500	i i jing sondy	1956	9
4	1250 Gal Pumper	Am. LaFrance	9/15/48	19,756	20	냳	8,001	11,755	1968	9
4	85 Ft. Aerial	Pirsch	2/9/50	30,862	20	4=	11,110	19,752	1970	8
5	1250 Gal. Pumper	Pirsch	12/28/56		20	412	944	20,035	1976	1
6	750 Gal. Pumper	General	9/1/39	9,183	20	43	7,438	1,745	1959	18
6	Ladder Service Truck	Seagrave	11/25/29	9,000	20	1472 1472 1472	8,820	180	1949	28
7	600 Gal. Pumper	Seagrave	4/20/35	6,623	20	4를	159 و6	464	1955	23
7	Ladder Service Truck	Seagrave	11/20/24	9,500	20	4클	9,500	وست الك	1944	33
8	750 Gal. Quad	Pirsch	6/24/41	12,065	20	4률	9,230	2,835	1961	17
FPB FPB	Sedan [*] Sedan [*] Sedan [*]	Plymouth Plymouth		675 675 550		~	675 675 550			
T&I	₩₽₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	Plymouth	<u> </u>	anna ann an An	+	<u> </u>	550		<u> </u>	
TOI	ALS			292,058			845, 147	144,213	-	<u> </u>

* Transfers from Police Department approximately every two years - Budget appropriation.



PERSONNEL DISTRIBUTION

Authorized Personnel for Year 1957

Chief	1
Assistant Chiefs	3
Captains: Line Officers: Station	
Training & Instruction 1 Maintenance 1 Total Captains	16
Lieutenants: Line Officers: Station	17
Fire Prevention Inspectors	7
Assistant Mechanic	ı
Privates: Drivers	148
TOTAL PERSONNEL - Fire Department	193
Office Employees	2
TOTAL PERSONNEL: Authorized Strength	195

PERSONNEL -- 5 Year Experience

AUTHORIZED MEMBERSHIP OF DEPARTMENT	1953	1954	1955	1956	1957
Police and Fire Commission	170	172	190	192	193
Board of Personnel	6	3	2	2	2
TOTAL	176	175	192	194	195
New Members Appointed	0	3	21	8	8
Retirements	l	0	l	l	3
Resignations	0	0	l	6	2
Leave of Absence	1	0	0	l	0
Dismissals	0	0	0	0	0
Disability Retirement	l	0	1	0	l
Deaths	l ı	2	0	0	0
Military Leave	o	0	0	0	0
Complement Beginning of Year	176	175	174	194	194
Complement End of Year	176	175	192	193	195

PERSONNEL ROSTER

December 31, 1957

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 Ralph A. McGraw Lt. Walter G. Ayers Lt. Joseph F. Buechner

Private Christian P. Andersen Private LeRoy V. Anderson Private Lester E. Archibald Private Douglas K. Bailey Private Phillip J. Behrend Private Donald C. Berray Private Donald E. Black Private William F. Block Private Rexford W. Colvin Private Dale F. Gritzmacher Private Frederick R. Grob Private Harold N. Hansen Private Michael M. Hauser Private Richard C. Healy Private James W. Hickey Private Alvin T. Johnson Private James R. 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 Paul G. McCallum Private Frank N. McMahon Private Lyle D. Mepham Private Charles R. Merkle Private Percy Moen Private Robert D. Mutch Private Kendall E. Niebuhr Private Ralph K. O'Brien Private Werner P. Schorr Private Donald A. Simon Private Philip J. Statz Private Gilman S. Stone Private Orville E. Vallem Private James L. White Private Donald R. Wilcox Private Donald J. Wilder Private Edward B. Willauer Private Theodore A. Williams

STATION NO. 2

Captain Philip A. Narf Lieutenant Harold R. Dennis

Private Edward D. Durkin	Private James V. McAusland
Private Carl Fiscus	Private Arnold C. Moen
Private Clair R. Flint	Private Francis P. Roberts
Private Donald A. Huggins	Private James F. Shipley
Private Walter J. Kwiecinski	Private James E. Spangler
Private Joseph E. Martinelli	Private William J. Sullivan

STATION NO. 3

Captain Henry W. Anderson Captain Harold O. Muenkel Lieutenant Russell A. Mani Lieutenant Louis F. Hoffman

Private Carl E. Austin Private Lloyd W. Briggs Private Donald L. Chase Private Berton H. Gessler Private Kenneth R. Gibbs Private Arthur J. Halverson Private Stanely V. Hermanson Private Leon G. Holl Private Marvin J. Kammer Private Keith F. Lawler Private William J. Leroy Private John L. Luther Private Marvin D. Matranga Private Duane M. Roeske Private G. Neil Rossmaessler Private Allan N. Sherman Private Allan N. Sherman Private Michel P. Sullivan Private Earl R. Tiedt Private Joseph Wedikind Private Glenn A. Wilcox

STATION NO. 4

Captain Vincent J. Geier Captain Arthur Wilcox Lieutenant Oscar F. Pankow Lieutenant Eldon E. Maginnis

Private Peter F. Breitenbach Private Robert P. Couture Private James E. Fraser Private Robert D. Fuller Private Robert H. Gessler Private James L. Gilbert Private Merwyn W. Gorsuch Private Daryl J. Griffin Private Donald D. Knudtson Private Donald D. Knutson

Private W. Carson Mettel Private George W. Piernot Private Bernard J. Reilly Private Ronald J. Reuter Private Richard H. Rossmaessler Private James H. Statz Private John R. Tappen Private Theodore L. Tauchen Private Paul R. Toltzien Private Wilbur C. Wright

STATION NO. 5

Captain Harold L. Starkweather Lieutenant James M. Engelberger

Private Wayne B. Austin Private Donald Bingham Private John E. Bingham Private James Dolderer Private Emil G. Goikovich Private Arthur L. Hanson Private Kermit E. Hermanson Private Arnold H. Horstmeyer Private Jack C. King Private Donald R. Lumsden Private Robert G. Scheer Private Cyril F. Tiedt

STATION NO. 6

Captain Arthur T. Emerson Lieutenant Charles E. Hessling

Private Donald P. Annen Private Thomas J. Barry Private William A. Carow Private William T. Ferger Private John H. Fiscus Private Harry G. Klinger Private Donald M. Olson Private Eugene A. Peterson Private John G. Randall Private Paul G. Reublin Private Joseph D. Roberts Private Robert M. Schumann Private Ralph E. Triggs Private Mel Troia Private Paul E. Welsch Private Arthur D. Wicks

STATION NO. 7

Captain Wilson H. Donkle Lieutenant Edward J. Bokina

Private Arnold R. Andrews Private Dean R. Beyler Private Lester E. Blackmer Private William L. Clapp Private Mathew M. Coronna Private Dean G. Eveland Private Ellington H. Lansdowne Private Linus E. Odegaard Private Harold T. Paltz Private Oscar A. Petry Private Victor A. J. Stormer Private Charles R. White

STATION NO. 8

Captain Richard Adank Lieutenant Arthur E. Spring

Private Robert L. Albright Private Joseph H. Bauer Private Richard G. Bavery Private James E. Bitney Private Robert B. Burns Private Vernon C. Dahnert Private Charles W. Kalar

Private Jerome J. Lukas Private Richard L. Means Private Roger W. Myers Private Joseph G. Otto Private Donald J. Schmitt Private Alfred M. Sime Private Leo F. Tiedt

FURLOUGH OFFICERS

Captain Edward E. Knope Captain Fred A. Rice Lieutenant Walter B. Gavin Lieutenant Joseph J. Kerwin Lieutenant Edsel F. Kingsley Lieutenant Erwin M. Lichte Lieutenant Harland A. Lippolt Lieutenant Raymond A. Martinson

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:

An analysis of the fire experience charts in a preceding section of this report shows that of 351 building fires responded to by the Madison Fire Department during the past year, 238 of them occurred in residential occupancies. Of these, 147 or approximately 68% took place in single family dwellings.

The Fire Inspectors by law are barred from entry into the interior of private dwellings where the purpose of entry is only to ascertain whether a fire hazard exists. It is debatable whether an extension of the rights of entry of inspectors, whether by law or by invitation would accomplish any spectacular results in eliminating residential fires since so many of them originate from unpredicatable causes. No inspector can anticipate the occurrence of a fire from a carelessly disposed of match or cigarette, nor can he from a practical standpoint establish the safe or unsafe condition of every electrical motor or appliance in the occupancy. And yet, the great bulk of residential fires are the result of these causes.

Fires in any occupancy are serious but fires in residential units are particularly so since in many cases these fires occur at night while occupants are asleep and unaware of the developing danger. Fire hazards around a home, on the outside, where they affect the health and safety of a neighborhood, or more simply, the public, may in most cases be abated by complaint to proper agencies or by group action - fire hazards within the interior of the home cannot be so eliminated and become the sole responsibility of the family, beginning with the young child and his proclivity with matches and fire. It is only by the acceptance of this obligation by the individual, coupled with an active desire to resolve the condition that fires in homes with their inherent life hazards can be reduced or eliminated.

A compilation of the number of routine inspections and defects found is included in the succeeding pages.

Respectfully submitted,

Jenyoh? Staue b

George L. Stanek, Captain Fire Prevention Bureau

	INSPECTIONS BY OCCUPANCY																	
	Cla	ss I	Clas	s II	Clas	s III	Clas	Class IV		Class V		ials	Regu	lar	Rein	sp.	тот	ALS
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
January	49	20	118	50	460	246	28	24	38	54	351	26	318	355	24	13	693	394
February	54	19	223	80	475	124	22	16	31	50	502	46	293	234	10	9	805	289
March	62	18	133	88	482	154	21	15	51	35	447	58	233	196	69	56	749	310
April	57	22	100	186	4 48	1.75	28	15	45	70	461.	67	193	375	24	26	678	468
May	61	12	90	304	457	183	22	21	15	47	453	82	150	436	42	49	645	567
June	43	5	152	233	465	98	27	10	42	41	396	56	298	288	35	43	729	387
July	52	6	155	32	537	88	78	29	30	14	425	57	391	107	36	5	852	169
August	44	15	179	41	335	95	13	9	30	29	269	76	289	95	43	18	601	189
September	41	15	145	37	409	206	21	10	41.	42	421	65	210	234	26	11	657	310
October	22		33	12	96	34	4	2	7	7	112	6	25	43	25	6	162	55
November	48	46	61	38	347	304	17	29	22	48	323	195	163	261	9	9	495	465
December	52	12	71	54	590	326	35	27	62	68	509	204	263	262	38	21	810	487
TOTALS	585	190	1460	1155	5101	2033	316	207	414	505	4669	938	2826	2886	381	266	7876	4090

INSPECTIONS BY OCCUPANCY

.

			1		T		r		1		1	
MONTH	CLAS	SI	CLAS	SII	CLAS	S III	CLAS	SIV	CLAS	S V	TOT	ALS
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
January	49	20	118	50	460	246	28	24	38	54	693	394
February	54	19	223	80	475	124	22	16	31	50	805	289
March	62	18	133	88	482	154	21	15	51	35	749	310
pril	57	22	100	186	448	174	28	15	45	70	678	467
lay	61	12	90	304	457	183	22	21	15	47	645	567
June	43	5	152	233	465	98	27	10	42	41	729	387
July	52	6	155	32	537	88	78	29	30	14	852	169
lugust	44	15	179	41	335	95	13	9	30	29	601	189
September	41	15	145	37	409	206	21	10	41	42	657	310
October	22		33	12	96	34	4	2	7	7	162	55
lovember	48	46	61	38	347	304	17	29	22	48	495	465
December	52	12	71	54	590	326	35	27	62	68	810	487
TOTALS	585	190	1460	1155	5101	2032	316	207	414	505	7876	4089

DEFECT BY OCCUPANCY

- 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



Chief Edward Joseph Page Madison Fire Department Madison, Wisconsin

Dear Sir:

The training and instruction program for 1957 consisted of detail assignments of instruction for station officers to teach and this was followed by my personal examination of individual and team operations in various practices, evolution and theory. The examinations were conducted at the completion of each assignment. New assignments were not started until examination showed skill and ability had been reached in the previous assignment. Where additional training time was needed it was instituted to keep the over-all program advancing on a balanced schedule.

Oral questioning of individual firemen was a form of the examination that was practiced extensively; and this was done with no particular pattern of questioning. The question was directed mainly to require an answer of accurate thinking and possession of needed subject matter by the individual concerned.

Written examinations were excluded during the year and the procedure of "doing" and "telling" was substituted. The effects of this change in bureau policy appears to have a definite value. The previous policy of one written examination each year, that covered all phases of instruction, did not secure accurate and desired results. With the present method, we are better able to determine individual and team requirements and to schedule our assignments to secure them.

From time to time I have attended station drill in an effort to determine the method by which actual teaching was being conducted; and to attempt to assist and advise in these practices where a need existed.

It is not difficult to note that the success of the training program rests with the officers, who are charged with the responsibility of planning the actual and extensive teaching of a drill, as well as the firemen who continue to cooperate by accepting this phase of firefighting as a routine requirement. It is this type of cooperation which clearly shows the reason why we have achieved the success that we have as a fire department.

Since taking over the responsibilities of the Bureau on March 15th, I have been able to conduct examinations in the following subjects.

> 1. Annual Pump Test - (Underwriters' specified tests at various pressures and delivering of various quantities of water.)

2. Territory - (Streets - Numbering, location and hazards.)

- 3. Tools and Equipment (Pumps, Resuscitators, Small Tools & Ropes)
- 4. Hydraulics (Knowledge sufficient to calculate streams and pressures on the job.)
- 5. Hose Evolutions (Individual & team operations)
- 6. Ladder Evolutions (Individual & team operations)
- 7. Handout Information (Mimeographed text material)
- 8. Department Rules and Orders.
- 9. First Aid.
- 10. Rescue Practices.
- 11. Driver Practices (Obstacle courses were used)
- 12. Officers' Instruction Technique.

The Departments record of Training and Instruction for the year is contained in the succeeding pages of this section. The chart shows the record for each station and each shift.

In addition to the conducting of examinations, the Bureau has provided training in new equipment and has provided several educational films. The use of handout material for subjects and information, not included in the regular texts, was extensively practiced.

The records system of the Bureau was revised, and brought up to date. Obsolete material was replaced by new and applicable text and informational data.

The Bureau is theoretically a one-man Bureau; but in practice it is a Bureau in which all participate. The training and instruction could not be considered any degree of success without the full cooperation of those who have so ably assisted in the preparation and editing of text material and the follow-through in presenting that material in the proper manner to the fire fighting force.

It is for that productive cooperation that I wish to extend my sincere gratitude to you and the other members of the department. If this Bureau can continue to merit this type of consideration, there is going to be continued progress and good will for all.

Respectfully submitted,

anne

Maurice T. Nason, Captain Bureau of Training & Instruction

	ST	STA. 1		STA. 2		STA. 3		STA. 4		STA. 5		6	STA.	.71	STA.	8 1	-	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	LATOT	
Arson - Incendiarism - Fire Cause	4	3	1	2	2	2	2	2	2	l	1	2	2	1	2	2	31	
Breathing Equipment - Resuscitators	18	18	3	5	11	12	15	8	9	10	12	4	10	9	10	13	167	
Driving & Apparatus Mechanics	5	9	2	1	2	2	2	2	3	4	2	8	3	1	6	8	60	
First Aid - Rescue	28	15	19	22	30	25	22	15	30	22	25	21	29	16	26	16	361	
Hose Practices	19	27	21	17	33	26	16	24	41	34	20	32	22	32	20	33	417	
Hydraulics	2	3	15	13	7	9	6	6	25	22	12	7	8	14	8	2	159	
Ladder Practices	21	15	11	8	31	33	22	28	18	14	11	13	8	8	19	11	271	
Minor Extinguishment						2			4	3		2	2		10	2	25	
Miscellaneous [*]	21	41	40	36	23	18	34	25	15	17	22	26	33	15	31	30	427	
Pump Operations	8	16	25	11	14	10	16	20	14	11	21	14	26	18	8	12	244	
Salvage - Overhaul	4		2		2	2	5	2	6	4	6	4	4	1	2	2	46	
Territory	24	33	40	24	24	32	51	35	22	22	36	26	42	38	34	28	511	
Tools & Equipment	35	25	20	30	45	30	26	25	38	37	36	19	17	27	29	11	450	
Ventilation & Forcible Entry	6	4	5	6	4	4		4	8	3	4	12	1	11	11	21	104	
Water Supply			1					3			2		1	5	1		13	
TOTAL HOURS	195	209	205	175	228	207	217	199	235	204	210	190	208	196	217	191	3286	

DRILL RECORD FOR 1957 BY STATIONS AND SHIFT - TOTAL HOURS

*MISCELLANEOUS DRILLS INCLUDE: Promotional Study Courses - General Orders - Rules & Laws - Underwirter Bulletins - Aircraft Fire Fighting & Rescue - Handout Material -General & Specific Review - Training Films - Alarm Response - Special Fires -Electrical Equipment - Chemistry of Fire - Sprinkler Systems - Apparatus Practices -Application of Water - Civil Defense Detail - Public Relations - Examination and Other Incidental Drills.

1					1	· · · · · · · · · · · · · · · · · · ·	1		1
MONTH	Station 1	Station 2	Station 3	Station 4	Station 5	Station 6	Station 7	Station 8	TOTAL
January	33 : 15	32:00	38:30	37:00	44:00	33:30	32:07	39:05	289:27
February	29:30	34:45	37:15	31:30	33:30	32:15	31:45	33 : 15	263:45
March	35:00	41:30	36:00	37:30	34:15	34:30	32:45	33 : 45	285:15
April	30:15	19:40	29:45	29 :1 4	37:30	27:15	37:55	35:15	246:50
May	34:15	32:00	<u>4</u> 4:00	39:00	32:30	38 : 15	36:15	35:55	292:10
June	32:30	29 : 55	36:25	34:00	37:05	32:55	25:20	32 : 50	261:00
July	31:15	31:30	35 : 40	35:15	38:25	34:35	36:05	35:55	278:40
August	34:30	30:3 0	39:20	41:15	37:25	38:10	36:5 0	34:25	292:25
September	36:00	27:10	35:35	30:30	35 : 55	30:15	34:55	27:50	258:10
October	36:45	32:00	36:00	29:30	38:50	31:55	33:27	32:55	271:22
November	38:00	32:15	35:45	33:50	31:45	35:00	33:20	33:55	273:50
December	33:00	36:00	32:30	37:15	37:45	31:10	33:45	33:25	274:50
TOTALS	404 :1 5	379:15	436:45	41 5: 50	438:55	399:45	404:29	408:30	287:44 و3

TOTAL DRILL HOURS

BUREAU OF MAINTENANCE

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, 1957.

In addition to the routine service, maintenance and repair calls which numbered in excess of 700, annual tests were conducted on all fire hose and service tests were made on all pumpers.

During early January radios were installed and fire equipment mounted on our two new 1250 gallon Pirsch pumpers which had been delivered in late December of 1956. Another very large project that was completed during the year and which contributed much to the safe and efficient operation of our apparatus was the complete rebuilding of the brake systems on Engines 1, 3, 4, 6, and 8 and on ladder trucks 1, 3, 4, and 6.

The fire pump of Engine No. 7 was completely rebuilt and the Quad located at Station No. 8 was remodeled with a new synchromesh transmission. Both of these projects have increased the operating efficiency of these units.

I want to express my appreciation to you, the Assistant Chiefs, and the officers and members of the department for the cooperation and assistance that has been so willingly given during this past year.

Respectfully submitted.

Captain Arne W. Derwick, Master Mechanic