

NINETY-SIXTH ANNUAL REPORT



DIVISION OF FIRE

DEPARTMENT OF PUBLIC SAFETY

**CITY OF
MADISON, WISCONSIN**

CHIEF EDWARD JOSEPH PAGE

1952

ANNUAL REPORT DIVISION OF FIRE

DEPARTMENT OF PUBLIC SAFETY
CITY OF MADISON, WISCONSIN

| | |
|--------------|------------------------------|
| | Letter of Transmittal |
| Section I | Alarm and Fire Frequency |
| Section II | Loss of Life and Property |
| Section III | Apparatus and Equipment Used |
| Section IIII | Personnel |
| | Fire Prevention |
| | Training and Instruction |
| | Maintenance |
| | Fire Alarm Telegraph |

YEAR ENDING DECEMBER 31, 1952

December 31, 1952

Mayor George Forster
Members of the Common Council
Honorable Board of Police & Fire Commissioners

Madam & Gentlemen:

Our Ninety-Sixth Annual Report, Fire Division, is presented for the year ending December 31, 1952.

The fire loss for the past year is much lower and an encouraging sign that many of our long-range preventive plans are apparently beginning to show results:

Our fire preventive inspections are a daily safe-guard against fire in Madison homes and businesses. There is no doubt that many fire hazards, found and corrected by our Fire Inspectors, were potential fire losses...a threat against life and property. The intensive prevention program contributed to lowered fire losses for this year of 1952.

Further, many of the fires were encountered in highly combustible structures with large concentrations of easily damaged contents. Our firemen confined these fires to their incipient stage with small property damage and reduced threat to life. Our ability to control these fires with existing fire-fighting facilities reflects the efficiency of our firemen and their officers.

The value of well-trained firemen through our training program becomes more evident as fire loss is substantially reduced.

During the past year we have been busy coordinating our city defense plans with the over-all program under Mr. L. Trowbridge, City-County Civil Defense Director.

Annexation to our City continues to place additional burdens on company fire response. Plans are laid and studies made to meet these increased demands. In the near future plans must materialize for additional fire protection in the form of new stations for these newly annexed areas.

Our 1952 budget again requested the replacement of Station 3 and the architectural fees were approved. Plans and studies are made to replace this building with a new structure.

A study of fire protection costs to the University was completed for Mayor Forster and presented to State officials for consideration.

My repeated request for additional personnel to man^u the fire alarm office with alarm dispatchers was not approved in our 1952 budget. I again call this problem to your attention. Lack of sufficient dispatcher personnel is the one "weak spot" in your fire services. Every effort must be made to correct this condition and to strengthen the vital communication link between our citizen and his fire service.

I extend my thanks and appreciation to Mayor George Forster, members of the Common Council and to our Board of Police and Fire Commissioners. Your help with our problems and your cooperation insures Madison's good fire service.

I also want to thank and to commend our firemen and fire officers for the good work they have done during the past year; the many excellent "fire stops" and life-saving services attest to their proficiency on the job.

We must continue our daily vigilance against the fire threat.

Edward Joseph Page
Chief

ALARM & FIRE FREQUENCY



ALARM CLASSIFICATION

| | 1951 | 1952 |
|----------------------------------|----------------|----------------|
| <u>Alarms Involving Fire</u> | | |
| Buildings | 272 | 264 |
| Other Than Buildings | | |
| 1. Mobile - Vehicles in Street | 113 | 83 |
| Other | <u>3</u> 116 | 77 |
| 2. Brush and Grass | 33 | 137 |
| 3. Rubbish | 26 | 34 |
| 4. Dumps | 3 | 6 |
| 5. Miscellaneous | <u>43</u> 221 | <u>73</u> 333 |
| TOTAL FIRES | 493 | 597 |
| <u>Alarms Not Involving Fire</u> | | |
| Rescue and Emergency | | |
| 1. Specials | 106 | 99 |
| 2. Investigations | <u>152</u> 258 | <u>143</u> 242 |
| Needless Calls | | |
| 1. Mistaken - Smoke Scares, etc | 29 | 23 |
| 2. False | <u>30</u> 59 | <u>35</u> 58 |
| TOTAL ALARMS NOT INVOLVING FIRE | <u>317</u> | <u>300</u> |
| TOTAL ALARMS | 810 | 897 |

216.
 12-31-52
 454 - Unattended Bed Unit
 18 -
 472 total

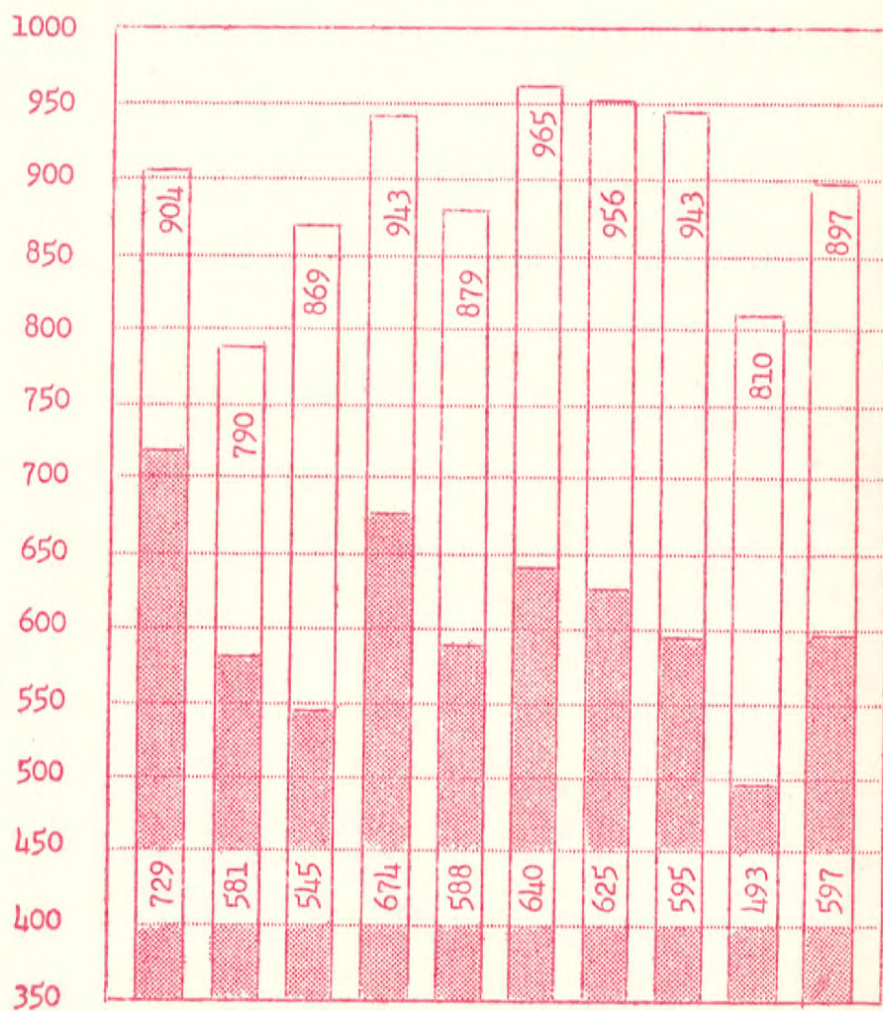
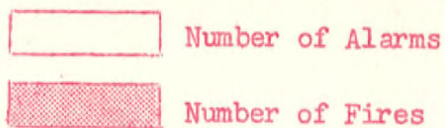
264
 260
 52
 212
 14
 196
 109
 87
 62,608.60

333
 83
 250
 333

300
 35
 265

FIRE and ALARM FREQUENCY

10-year experience



OCCUPANCY AND CAUSE

| Number of Fires Due to Each Cause | |
|-----------------------------------|-----|
| 1 | 2 |
| 3 | 4 |
| 5 | 6 |
| 7 | 8 |
| 9 | 10 |
| 11 | 12 |
| 13 | 14 |
| 15 | 16 |
| 17 | 18 |
| 19 | 20 |
| 21 | 22 |
| 23 | 24 |
| 25 | 26 |
| 27 | 28 |
| 29 | 30 |
| 31 | 32 |
| 33 | 34 |
| 35 | 36 |
| 37 | 38 |
| 39 | 40 |
| 41 | 42 |
| 43 | 44 |
| 45 | 46 |
| 47 | 48 |
| 49 | 50 |
| 51 | 52 |
| 53 | 54 |
| 55 | 56 |
| 57 | 58 |
| 59 | 60 |
| 61 | 62 |
| 63 | 64 |
| 65 | 66 |
| 67 | 68 |
| 69 | 70 |
| 71 | 72 |
| 73 | 74 |
| 75 | 76 |
| 77 | 78 |
| 79 | 80 |
| 81 | 82 |
| 83 | 84 |
| 85 | 86 |
| 87 | 88 |
| 89 | 90 |
| 91 | 92 |
| 93 | 94 |
| 95 | 96 |
| 97 | 98 |
| 99 | 100 |

[illegible]

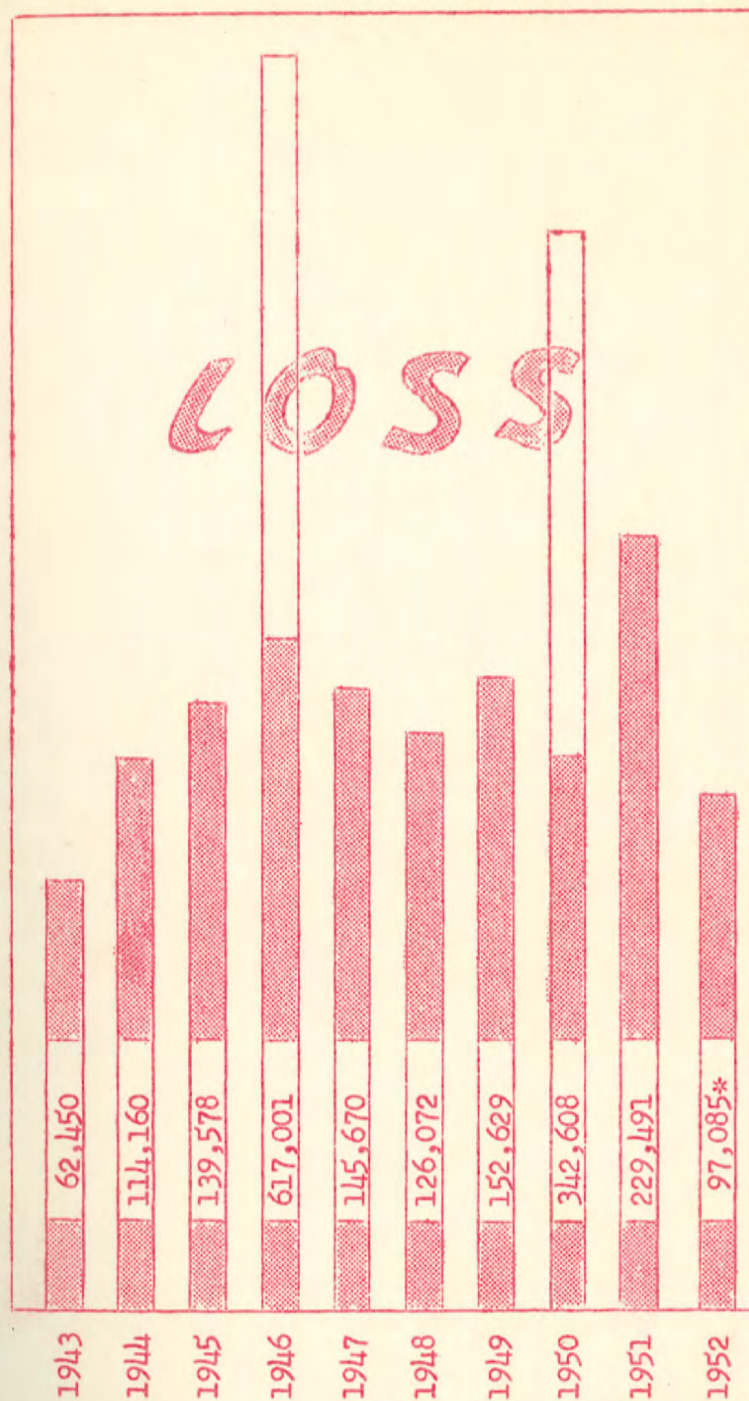
| CAUSE FREQUENCY: <u>Building Fires</u> | | 1951 | 1952 |
|---|-------------------|-------------------|------|
| 1. Chimneys: Soot Burning Defective & Overheated | 57 <u>0</u> 57 | 48 <u>4</u> 52 | |
| 2. Careless Smoking | 45 | 34 | |
| 3. Electrical Appliances & Motors | 19 | 26 | |
| 4. Defective Electrical Wiring | 11 | 21 | |
| 5. Grease on Stoves Oil Burners | 18 15 | 16 16 | |
| 6. Combustibles Near Heater Rubbish Near Heater | 26 <u>3</u> 29 | 15 <u>0</u> 15 | |
| 7. Children with Matches Other Careless Use of Matches | 14 <u>1</u> 15 | 14 <u>0</u> 14 | |
| 8. Defective Heater | 2 | 13 | |
| 9. Gas & Appliances | 4 | 8 | |
| 10. Lightning | 6 | 5 | |
| 11. Hot Ashes Flammable Liquids | 14 6 | 4 4 | |
| 12. Open Lights, Flames Sparks on Roofs, Wood | 0 0 | 3 3 | |
| 13. Sparks from Machinery Thawing Pipes | 1 2 | 1 1 | |
| 14. Suspicious | 1 | 0 | |
| 15. Incendiary | 1 | 0 | |
| 16. Miscellaneous Known Causes | 7 | 7 | |
| 17. Undetermined | <u>17</u> | <u>16</u> | |
| <u>Total Alarms Involving Buildings</u> | 272 | 264 | |

| | | | | | | |
|---|-----|-----|-----|-----|------|------|
| BUILDING FIRES: <u>Five-Year Experience</u> | '48 | '49 | '50 | '51 | '52 | Av. |
| Number of Building Fires, Yearly | 311 | 299 | 312 | 272 | 264 | 292 |
| Number of Bldg. Fires Per 1000 Population | 3.2 | 3.1 | 3.3 | 2.8 | 2.75 | 3.04 |

LOSS OF LIFE & PROPERTY



LIFE & PROPERTY

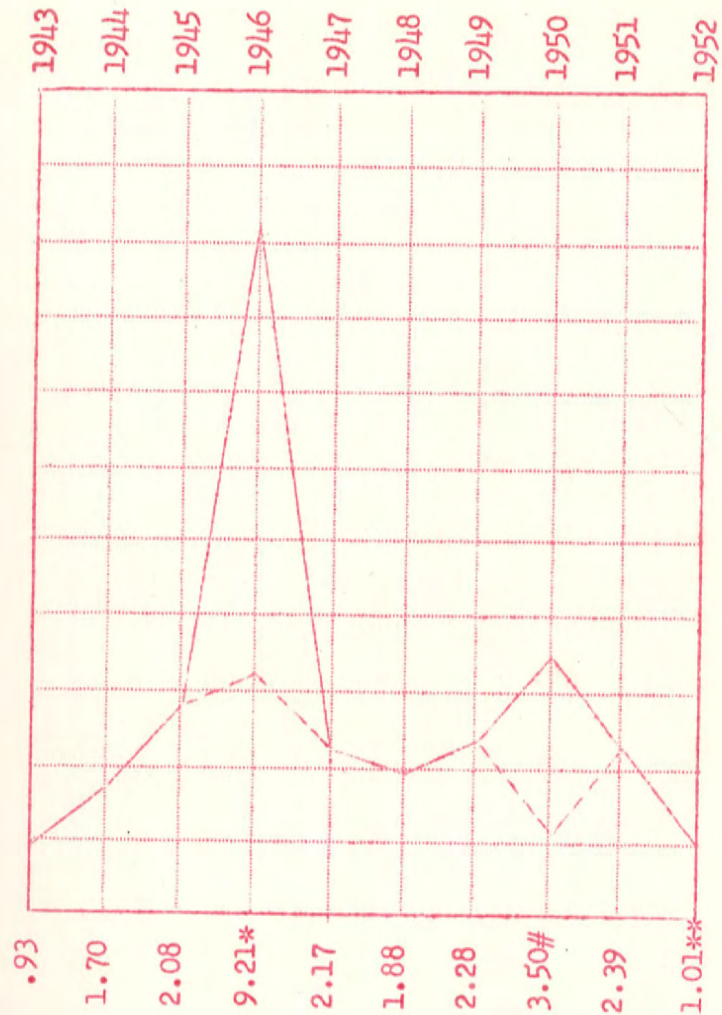


You will note years 1946 and 1950: three major fires represent 66% of the total insured loss: the largest number of fires (640 and 490, respectively) account for only 34% of the loss.

* Total insured loss as of January 1, 1952 - incomplete.

AVERAGE FIRE LOSS, Insured: 10-year experience.....\$ 202,674

PER CAPITA FIRE LOSS: 10-year experience



* \$6.04 of this loss caused by (3) major fires.

\$2.33 of this loss caused by (3) major fires.

** 1952 fire loss as of January 1, 1953; incomplete.

AVERAGE PER CAPITA FIRE LOSS.....\$2.72



APPARATUS & EQUIPMENT



APPARATUS AND EQUIPMENT USED -- 5-Year Experience

| Apparatus & Equip. | 1948 | 1949 | 1950 | 1951 | 1952 | 5--Year Average |
|-----------------------------|---------|--------|--------|---------|---------|--------------------|
| 2 $\frac{1}{2}$ " Hose Laid | 90,230 | 91,600 | 98,100 | 101,200 | 96,866 | 95,599 |
| 1 $\frac{1}{2}$ " Hose Laid | 7,325 | 6,780 | 7,650 | 6,350 | 11,250 | 7,871 |
| Booster Hose-Feet | 103,650 | 82,000 | 91,450 | 79,600 | 100,780 | 91,596 |
| Booster Gallons | 18,601 | 17,065 | 18,778 | 13,100 | 20,694 | 17,659 |
| Ladders Raised-Ft. | 2,573 | 2,574 | 4,686 | 3,633 | 2,910 | 3,275 |
| Total Company Response | 1,406 | 1,392 | 1,443 | 1,249 | 1,286 | 1,355 |

DEPRECIATION RECORD

Our maintenance experience has taught us to establish the life expectancy for our heavy duty fire apparatus at 15 years. A 6% depreciation write-off with a remaining value of 10% has been established as a fair method of arriving at true financial value. This method also provides an estimate of fire service value for apparatus retained in service beyond its life expectancy.

Upon expiration of maximum life years the 10% remaining value is carried for salvage recovery, plus the value of fire protective services rendered beyond maximum life years by antiquated fire apparatus which cannot be ignored. Therefore, apparatus retained between 15 and 25 years is further depreciated 50% of this remaining value or .5% of the original cost price each year. At the end of 25 years, 5% of the original cost remains on our depreciation record. This remaining value is depreciated at the rate of 1% per year for the next five years, so that at the end of 30 years the apparatus has been depreciated 100%.

Officer cars are required to perform at peak efficiency under the most strenuous use; a five-year life expectancy is lenient and within safety limits. The life expectancy of our service panel trucks and pick-up trucks has been established at eight years. Actual usage indicates this estimate as low; five-year expectancy would be more realistic.

Our depreciation method provides an efficient replacement schedule and a true picture of apparatus needs. It is evident that some financial arrangement should be made to meet the anticipated apparatus needs and to eliminate periodic large budget expenditures for high-cost fire apparatus. This would, as a procedure, provide modern efficient fire-fighting units when they are needed to maintain peak fire protective service to our citizens.

Our apparatus depreciation schedule is charted on the following page:

APPARATUS DEPRECIATION

| Sta. No. | Description | Make | Date Purch. | Orig. Cost | Life Yrs. | % Depr. | Amt. Depr. | Value 12/31/52 | Date to Retire | Act.Yrs. Service |
|-------------|---------------------------------|-------------|----------------|---------------|--------------|------------------|---------------|-------------------|-------------------|---------------------|
| 1 | Sedan | Buick | 2/1/51 | 2,000 | 5 | 20 | 800 | 1,200 | 2/1/56 | 2 |
| 1 | Sedan | Nash | 10/29/47 | 1,645 | 5 | 20 | 1,645 | -- | 10/29/52 | 5 |
| 1 | Panel Truck - Maint. | Chevrolet | 6/24/48 | 1,402 | 8 | 12 $\frac{1}{2}$ | 876 | 526 | 6/24/56 | 5 |
| 1 | 1 $\frac{1}{2}$ Ton Pick Up- FA | Chevrolet | 6/24/48 | 1,471 | 8 | 12 $\frac{1}{2}$ | 919 | 552 | 6/24/56 | 5 |
| 1 | 1250-Gal. Pumper | Am LaFrance | 9/15/48 | 19,756 | 15 | 6 | 5,926 | 13,830 | 9/15/63 | 5 |
| 1 | 100-Ft. Aerial | Pirsch | 11/ 2/49 | 35,862 | 15 | 6 | 6,455 | 29,407 | 11/ 2/64 | 3 |
| 1 | Rescue Squad | Chevrolet | 11/ 1/49 | 3,500 | 8 | 12 $\frac{1}{2}$ | 1,313 | 2,187 | 1/ 1/57 | 3 |
| 1 | 750-Gal Pumper - Vol Liq. | Seagrave | 8/ 3/25 | 12,500 | 15 | 6 | 12,125 | 375 | 8/ 3/40 | 27 |
| 2 | 1000-Gal. Pumper | Seagrave | 12/26/29 | 15,500 | 15 | 6 | 14,570 | 930 | 12/26/44 | 23 |
| 2 | High Pressure - 3" Lines | Ford | 9/15/48 | 2,500 | 8 | 12 $\frac{1}{2}$ | 1,250 | 1,250 | 9/15/63 | 4 |
| 3 | 1250-Gal. Pumper | Am LaFrance | 9/15/48 | 19,756 | 15 | 6 | 4,741 | 15,015 | 9/15/63 | 4 |
| 3 | 85-Ft. Aerial | Pirsch | 2/20/50 | 30,862 | 15 | 6 | 5,555 | 25,307 | 2/20/65 | 3 |
| 4 | 1250-Gal. Pumper | Am LaFrance | 9/15/48 | 19,756 | 15 | 6 | 4,741 | 15,015 | 9/15/63 | 4 |
| 4 | 85-Ft. Aerial | Pirsch | 2/ 9/50 | 30,862 | 15 | 6 | 5,555 | 25,307 | 2/ 9/65 | 3 |
| 5 | 600-Gal. Pumper | Seagrave | 2/ 2/34 | 6,200 | 15 | 6 | 5,704 | 496 | 2/ 2/49 | 19 |
| 6 | 750-Gal. Pumper | General | 9/ 1/39 | 9,183 | 15 | 6 | 7,163 | 2,020 | 9/ 1/54 | 13 |
| 6 | Ladder, Service Truck | Seagrave | 11/25/29 | 9,000 | 15 | 6 | 8,460 | 540 | 11/25/44 | 23 |
| 7 | 600-Gal. Pumper | Seagrave | 4/20/35 | 6,623 | 15 | 6 | 6,225 | 398 | 4/20/50 | 18 |
| 7 | Ladder, Service Truck | Seagrave | 11/20/24 | 9,500 | 15 | 6 | 9,310 | 190 | 11/20/39 | 28 |
| 8 | 750-Gal. Quad | Pirsch | 6/24/41 | 12,065 | 15 | 6 | 8,686 | 3,379 | 6/24/56 | 12 |
| 8 | 750-Gal. Pumper - Aux. | Seagrave | 1923 | 12,500 | 15 | 6 | 12,375 | 125 | 11/ 1/38 | 29 |
| FPB | Sedan | *Chevrolet | | 500 | | | 250 | 250 | | |
| T&I | Sedan | *Chevrolet | | 500 | | | 250 | 250 | | |
| T o t a l s | | | | 263,443 | | | 124,894 | 138,549 | | |

* Transfers from the Police Division, approximately once every two years: budget appropriation.

PERSONNEL



MAYOR

POLICE & FIRE COMMISSION

FIRE CHIEF

FIRE PREVENTION
1 Captain
7 Inspectors

TRAINING-INSTRUCTION
1 Captain

ADMINISTRATION
1 Clk-Steno III
1 Clk-Steno II
1 Clk-Typ. I

MECHANICAL MAINTENANCE
1 Captain
1 Asst. Mechanic

ELECTRICAL MAINTENANCE
Fire Alarm Telegraph
Sig. Alarm Elec. II
Sig. Alarm Elec. I

FIRE FIGHTING FORCE
A. Platoon
1st Asst Chief
B. Platoon
2nd Asst Chief

**** STATION 1**
ENGINE COMPANY

A. Platoon
1 Captain
7 Firemen

B. Platoon
1 Captain
7 Firemen

AERIAL COMPANY

A. Platoon
1 Lieutenant
8 Firemen

B. Platoon
1 Lieutenant
8 Firemen

RESCUE SQUAD

A. Platoon
2 Firemen

B. Platoon
2 Firemen

ITINERANT

3 Captains
3 Lieutenants

CHIEFS CAR

A. Platoon
1 Fireman

B. Platoon
1 Fireman

STATION 2
ENGINE COMPANY

A. Platoon
1 Captain
6 Firemen

B. Platoon
1 Lieutenant
6 Firemen

STATION 3
ENGINE COMPANY

A. Platoon
1 Lieutenant
5 Firemen

B. Platoon
1 Captain
5 Firemen

AERIAL COMPANY

A. Platoon
4 Firemen

B. Platoon
4 Firemen

STATION 4
ENGINE COMPANY

A. Platoon
1 Captain
5 Firemen

B. Platoon
1 Lieutenant
5 Firemen

AERIAL COMPANY

A. Platoon
4 Firemen

B. Platoon
4 Firemen

STATION 5
ENGINE COMPANY

A. Platoon
1 Captain
5 Firemen

B. Platoon
1 Lieutenant
5 Firemen

STATION 6
ENGINE COMPANY

A. Platoon
1 Lieutenant
4 Firemen

B. Platoon
1 Captain
4 Firemen

LADDER COMPANY

A. Platoon
4 Firemen

B. Platoon
4 Firemen

STATION 7
ENGINE COMPANY

A. Platoon
1 Lieutenant
5 Firemen

B. Platoon
1 Captain
5 Firemen

STATION 8
COMBINATION CO.

A. Platoon
1 Lieutenant
6 Firemen

B. Platoon
1 Captain
6 Firemen

PERSONNEL DISTRIBUTION

Authorized Personnel for Year 1952

| | | |
|---|------------|-------------|
| Chief..... | | 1 |
| Assistant Chiefs..... | | 2 |
| Captains: | | |
| Line Officers: | | |
| Station..... | 9 | |
| Itinerant..... | <u>3</u> | 12 |
| Fire Prevention Bureau..... | 1 | |
| Training & Instruction..... | 1 | |
| Maintenance..... | <u>1</u> | <u>3</u> 15 |
| Lieutenants: | | |
| Line Officers: | | |
| Station..... | 9 | |
| Itinerant..... | <u>3</u> | 12 |
| Fire Prevention Inspectors..... | | 7 |
| Assistant Mechanic..... | | 1 |
| Privates: | | |
| Drivers..... | 24 | |
| Privates..... | <u>108</u> | <u>132</u> |
| TOTAL PERSONNEL - Fire Division..... | | 170 |
| Signal Alarm Electricians..... | 2 | |
| Office Employees..... | <u>3</u> | |
| Total Civilian Staff: Personnel Bd..... | | <u>5</u> |
| TOTAL PERSONNEL: Authorized Strength..... | | 175 |

civilian personnel assigned.
 ** 1 Vacancy

PERSONNEL -- 5-Year Experience

| | | 1948 | | 1949 | 1950 | | 1951 | 1952 |
|-------------------------------|------------------|----------------------------|--------------|-----------|-----------------|-------------|-----------|----------|
| Authorized | Police Fire Com. | Approved 148 / 14 = 162 | Adj. 147* | 155 | Approved 159 | Adj. 158 | 170 | 170 |
| Membership | Bd. of Personnel | 3 | 3 4* | 4 | 4 | 5 | 5 | 5 |
| of Depart. | TOTAL | 151 / 14 = 165 | 151 | 159 | 163 | 163 | 175 | 175 |
| New Members Appointed | | 4 | | 21 | 10 | | 25 | 2 |
| Reappointments: Temp. Eligbl. | | 0 | | 0 | 0 | | 0 | 3 |
| Military | | 0 | | 0 | 0 | | 0 | 4 |
| TOTAL APPOINTMENTS | | <u>4</u> | | <u>21</u> | <u>10</u> | | <u>25</u> | <u>9</u> |
| Retirements | | 2 | | 12 | 5 | | 0 | 2 |
| Resignations | | 1 | | 0 | 0 | | 2 | 3 |
| Dismissals | | 0 | | 0 | 1 | | 0 | 0 |
| Deaths | | 0 | | 0 | 0 | | 0 | 0 |
| Military Lv. | | 0 | | 0 | 1 | | 8 | 1 |
| Temp. Elig. List | | 0 | | 0 | 0 | | 2 | 3 |
| Complement Beginning of Year | | 148 | | 150 | 159 | | 162 | 175 |
| Complement End of Year | | 150** | | 159 | 162** | | 175 | 175 |

■ ■ ■ ■ ■ ■ ■ ■ ■ ■ BUREAU OF FIRE PREVENTION ■ ■ ■ ■ ■ ■ ■ ■ ■ ■



BUREAU OF FIRE PREVENTION



December 31, 1952

Chief Edward Joseph Page
Fire Division
Department of Public Safety

Dear Sir:

I submit to you our 1952 annual report of fire prevention activities. A detailed record of the number of inspections made, defects found and other statistics may be found on succeeding pages.

The signature of Captain Paul J. Gabbei will no longer appear at the conclusion of the letter since, in August of this year, Captain Gabbei retired from the Bureau and the Fire Division after completing more than 22 years of service.

To the Captain belongs much of the credit for the development of the Bureau to its present status. When he assumed the Captaincy in 1945, the "Bureau" consisted of two men. In the ensuing years, with your complete cooperation through budget requests and appropriations, the size of the Bureau grew until now it consists of a Captain and seven Inspectors.

Although a great share of Captain Gabbei's efforts was directed toward the development of the physical dimensions of the Bureau, no lesser part of his efforts was employed in organizing a fire prevention program whereby the Bureau could be used to the fullest advantage. That these efforts were fruitful may be confirmed by a study of the fire experience and loss records for the past year.

Although fully aware of the fact that no branch of fire service can ever be solely responsible for either a satisfactory or unsatisfactory fire loss figure, at least when the loss is low some of the credit must be given to the fire prevention program.

But a fire prevention program, however effective in any given year, cannot be allowed to stagnate or become rigid. The scope of its operation, the character of its exertions must constantly change, however precise its aim and its goal. As the new Captain of Fire Prevention, it is my purpose, with your authorization and cooperation to develop just such a program, one which may be readily adjusted, and if necessary, expanded to fit the situation as it arises.

Chief Edward Joseph Page

December 31, 1952

An opening in the Bureau was created by the retirement of Captain Paul J. Gabbei and my subsequent promotion to his position. This vacancy was filled by Orville Vallem on August 1, 1952.

In conclusion, I wish to extend my sincere thanks and appreciation to you and the Honorable Board of Police and Fire Commissioners for the cooperation given and the interest shown in the operation of the Bureau.

Respectfully submitted,

George L. Stanek
Captain - Fire Prevention

| INSPECTIONS BY OCCUPANCY | | | | | | | | | | | | | | | | | | |
|--------------------------|---------|-----|----------|------|-----------|------|----------|-----|---------|-----|----------|-----|---------|------|--------|-----|-------|------|
| | CLASS I | | CLASS II | | CLASS III | | CLASS IV | | CLASS V | | SPECIALS | | REGULAR | | REINSP | | TOTAL | |
| | In | Out | In | Out | In | Out | In | Out | In | Out | In | Out | In | Out | In | Out | In | Out |
| January | 76 | 23 | 126 | 34 | 591 | 205 | 32 | 21 | 18 | 27 | 409 | 2 | 430 | 297 | 4 | 11 | 843 | 310 |
| February | 75 | 18 | 152 | 44 | 637 | 223 | 24 | 38 | 18 | 28 | 391 | 4 | 505 | 342 | 10 | 5 | 906 | 351 |
| March | 86 | 30 | 134 | 63 | 590 | 140 | 28 | 13 | 37 | 28 | 412 | 1 | 454 | 272 | 9 | 1 | 875 | 274 |
| April | 54 | 18 | 87 | 62 | 504 | 169 | 10 | 13 | 14 | 28 | 350 | 9 | 310 | 270 | 9 | 11 | 669 | 290 |
| May | 68 | 24 | 131 | 118 | 565 | 187 | 19 | 23 | 30 | 44 | 397 | 3 | 408 | 382 | 8 | 11 | 813 | 396 |
| June | 82 | 15 | 109 | 48 | 622 | 161 | 26 | 36 | 71 | 61 | 427 | 2 | 478 | 314 | 5 | 5 | 910 | 321 |
| July | 50 | 35 | 120 | 90 | 333 | 127 | 5 | 23 | 9 | 30 | 253 | 7 | 257 | 298 | 7 | | 517 | 305 |
| August | 60 | 12 | 140 | 116 | 534 | 94 | 23 | 8 | 22 | 17 | 388 | 6 | 384 | 239 | 7 | 2 | 779 | 247 |
| September | 30 | 5 | 57 | 114 | 245 | 49 | 26 | 4 | 48 | 24 | 149 | 4 | 250 | 185 | 7 | 7 | 406 | 196 |
| October | 64 | 3 | 43 | 142 | 377 | 90 | 14 | 14 | 12 | 34 | 269 | 8 | 239 | 273 | 2 | 2 | 510 | 283 |
| November | 69 | 16 | 86 | 288 | 426 | 107 | 1 | 15 | 12 | 24 | 467 | 18 | 116 | 379 | 11 | 53 | 594 | 450 |
| December | 105 | 7 | 163 | 270 | 912 | 85 | 8 | 9 | 7 | 8 | 1029 | 5 | 150 | 301 | 16 | 73 | 1195 | 379 |
| | 819 | 206 | 1348 | 1389 | 6336 | 1637 | 216 | 217 | 298 | 353 | 4941 | 69 | 3981 | 3552 | 95 | 181 | 9017 | 3802 |
| FIRES IN | 11 | | 187 | | 33 | | 8 | | 25 | | | | | | | | | |

| | CLASS I | | CLASS II | | CLASS III | | CLASS IV | | CLASS V | | SPECIALS | | REGULAR | | REINSP | | TOTAL | |
|-----------|---------|-----|----------|------|-----------|------|----------|-----|---------|-----|----------|-----|---------|------|--------|-----|-------|------|
| | In | Out | In | Out | In | Out | In | Out | In | Out | In | Out | In | Out | In | Out | In | Out |
| January | 76 | 23 | 126 | 34 | 591 | 205 | 32 | 21 | 18 | 27 | 409 | 2 | 430 | 297 | 4 | 11 | 843 | 310 |
| February | 75 | 18 | 152 | 44 | 637 | 223 | 24 | 38 | 18 | 28 | 391 | 4 | 505 | 342 | 10 | 5 | 906 | 351 |
| March | 86 | 30 | 134 | 63 | 590 | 140 | 28 | 13 | 37 | 28 | 412 | 1 | 454 | 272 | 9 | 1 | 875 | 274 |
| April | 54 | 18 | 87 | 62 | 504 | 169 | 10 | 13 | 14 | 28 | 350 | 9 | 310 | 270 | 9 | 11 | 669 | 290 |
| May | 68 | 24 | 131 | 118 | 565 | 187 | 19 | 23 | 30 | 44 | 397 | 3 | 408 | 382 | 8 | 11 | 813 | 396 |
| June | 82 | 15 | 109 | 48 | 622 | 161 | 26 | 36 | 71 | 61 | 427 | 2 | 478 | 314 | 5 | 5 | 910 | 321 |
| July | 50 | 35 | 120 | 90 | 333 | 127 | 5 | 23 | 9 | 30 | 253 | 7 | 257 | 298 | 7 | | 517 | 305 |
| August | 60 | 12 | 140 | 116 | 534 | 94 | 23 | 8 | 22 | 17 | 388 | 6 | 384 | 239 | 7 | 2 | 779 | 247 |
| September | 30 | 5 | 57 | 114 | 245 | 49 | 26 | 4 | 48 | 24 | 149 | 4 | 250 | 185 | 7 | 7 | 406 | 196 |
| October | 64 | 3 | 43 | 142 | 377 | 90 | 14 | 14 | 12 | 34 | 269 | 8 | 239 | 273 | 2 | 2 | 510 | 283 |
| November | 69 | 16 | 86 | 288 | 426 | 107 | 1 | 15 | 12 | 24 | 467 | 18 | 116 | 379 | 11 | 53 | 594 | 450 |
| December | 105 | 7 | 163 | 270 | 912 | 85 | 8 | 9 | 7 | 8 | 1029 | 5 | 150 | 301 | 16 | 73 | 1195 | 379 |
| | 819 | 206 | 1348 | 1389 | 6336 | 1637 | 216 | 217 | 298 | 353 | 4941 | 69 | 3981 | 3552 | 95 | 181 | 9017 | 3802 |
| FIRES IN | 11 | | 187 | | 33 | | 8 | | 25 | | | | | | | | | |

| DEFECTS BY OCCUPANCY | | | | | | | | | | | | |
|----------------------|---------|-----|----------|------|-----------|-----|----------|-----|---------|-----|-------|------|
| | CLASS I | | CLASS II | | CLASS III | | CLASS IV | | CLASS V | | TOTAL | |
| | In | Out | In | Out | In | Out | In | Out | In | Out | In | Out |
| January | 53 | 27 | 81 | 44 | 168 | 130 | 20 | 13 | 20 | 15 | 342 | 229 |
| February | 28 | 8 | 100 | 29 | 257 | 105 | 15 | 41 | 14 | 14 | 414 | 197 |
| March | 36 | 17 | 88 | 53 | 212 | 59 | 14 | 7 | 40 | 5 | 390 | 141 |
| April | 36 | 13 | 68 | 65 | 125 | 89 | 7 | 18 | 12 | 15 | 248 | 200 |
| May | 31 | 29 | 110 | 104 | 175 | 61 | 11 | 9 | 21 | 13 | 348 | 216 |
| June | 22 | 17 | 115 | 54 | 218 | 88 | 28 | 27 | 56 | 58 | 439 | 244 |
| July | 36 | 38 | 86 | 62 | 92 | 84 | 2 | 26 | 6 | 21 | 222 | 237 |
| August | 41 | 5 | 176 | 89 | 240 | 39 | 20 | 14 | 27 | 14 | 504 | 161 |
| September | 7 | 5 | 57 | 251 | 144 | 34 | 28 | 4 | 60 | 39 | 296 | 333 |
| October | 11 | 5 | 28 | 349 | 102 | 76 | 14 | 22 | 18 | 35 | 173 | 487 |
| November | 13 | 40 | 51 | 525 | 45 | 117 | 1 | 19 | 1 | 24 | 111 | 795 |
| December | 7 | 4 | 180 | 541 | 48 | 80 | 1 | 6 | 2 | 9 | 238 | 640 |
| TOTAL | 321 | 208 | 1140 | 2236 | 1826 | 962 | 161 | 206 | 277 | 262 | 3725 | 3874 |

CLASS I includes government buildings, hospitals, institutions, schools, amusement buildings, etc.

CLASS II includes all occupancies used for purpose of shelter or residence.

CLASS III includes all buildings used for mercantile or similar purposes.

CLASS IV includes all buildings used for manufacturing purposes

CLASS V includes such miscellaneous buildings as rail-road property, public and private garages, filling stations, lumber yards, etc.



BUREAU OF TRAINING & INSTRUCTION



December 31, 1952

Chief Edward Joseph Page
Fire Division
Department of Public Safety

Dear Sir:

My report of the yearly activities for the Bureau of Training and Instruction covers a revised, planned group of evolutions that were mimeographed and delivered monthly to each of our eight fire stations. The drills consisted of the following:

- Review of semi-annual examinations
- Fire Division hydraulics
- Gas masks uses (self-contained oxygen & cannister type)
- Use of resuscitators, inhalators and aspirators
- Proper application of "Iron Lung"
- Pneophore instruction and application
- Ventilation practices
- Use of foam generator (dry powder)
- Use of air-foam generating nozzle & liquid air foam
- Madison water service and hydrant placement
- Booster hose operations and nozzles
- Minor first aid extinguishers and their uses
- Use of rope in fire service (Hoisting tools, etc)
- Forcible entry practices
- Chalk talks of hazards in your territory
- Artificial respiration and first aid
- Tools and equipment in general use
- Pumps and Pump practices (Testing of Pumps)
- Ladders, raises, carries and placement
- Fire stream practices
- Special equipment on Madison Fire Division
- Aerial ladder operations and placement
- Hose evolutions and testing
- Hose and ladder evolutions
- Hose and rope evolutions
- Hose carries & advancement into buildings
- Double reverse hose evolutions
- Straight to reverse hose evolutions
- Hard suction evolutions
- Soft suction evolutions
- Salvage evolutions and practices
- Sprinkler evolutions and shut offs
- Deluge and heavy stream evolutions and setups
- Use of life net
- Use of life belt
- Rescue operations and equipment
- Practice with cutting torches
- Civilian defense preparations

Streets, maps, and territory assignments
Auxiliary fire training
Rules book and general orders (periodic review)
Underwriter's bulletins

The list of drills and evolutions cover the station assignments as sent out during the past twelve months. All semi-annual examinations were based on the above.

In addition to this, we have made a start in the filming of a number of evolutions, which will be advantageous to us during the winter months when outside drill is impractical.

We have also received several film from Civil Defense Offices which were of an instructional nature as well as some dealing with oil and transformers which were secured to aid us in determining how best to control and extinguish these types of fires.

Our Civil Defense Program has advanced, although not as rapidly as we had hoped, but our Officers are prepared to carry out their necessary assignments should the emergency arise.

Our participation in the State Fire School which was held at the University last summer, was successful in every respect and I am confident that the next school session which will be held on August 10 through August 12, 1953 will be equally as successful.

Our officers' school continued until the start of the vacation periods and then were discontinued for the summer months as has been the practice for the past few years. The information given at these Officers meetings have been very helpful in formulating fire layouts, evolutions, and the control and extinguishment of various types of fires.

During the past year I have also been given many special assignments, lectures, demonstrations, etc., before civic groups, schools and industrial organizations. These also included the showing of training and educational films. These lectures and demonstrations not only make for good public relations, but also help to educate our citizens in the ever increasing fight for fire prevention.

The excellent cooperation I have received from you, the Assistant Chiefs and the Officers has enabled me to set up a program that I feel has been helpful to the men and to our Fire Division. The grades received by most of the men in their semi-annual examination convinces me that a planned schedule such as we have followed this past year, causes the entire personnel to become more fully acquainted with the knowledge we wish them to have, and it certainly enables them to be classed among the best fire fighters in the country.

Chief Edward Joseph Page

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December 31, 1952

Our most urgent need now, as it has been for a number of years, is for a drill school. It is difficult to put a really constructive drill program into effect without a drill tower or conference room. Much has been accomplished, but much more could have been done with a properly equipped drill tower.

I again wish to thank you and all the Officers for the fine cooperation given me during the past year and it is my sincere hope that it will continue as long as I remain a member of the Madison Fire Division.

Respectfully submitted,

Captain Jack A. Boyle
Training-Instructor

TOTAL DRILL HOURS -- STATION EXPERIENCE

| | Sta. 1 | Sta. 2 | Sta. 3 | Sta. 4 | Sta. 5 | Sta. 6 | Sta. 7 | Sta. 8 | Total |
|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| January | 42:00 | 43:45 | 37:20 | 44:15 | 45:00 | 38:15 | 42:30 | 41:55 | 335:00 |
| February | 39:45 | 39:15 | 37:15 | 37:45 | 40:15 | 35:05 | 36:45 | 38:45 | 304:50 |
| March | 35:15 | 30:00 | 34:50 | 37:15 | 41:45 | 32:20 | 34:45 | 37:00 | 283:10 |
| April | 28:50 | 36:45 | 36:20 | 28:15 | 36:30 | 24:00 | 22:30 | 30:30 | 243:40 |
| May | 37:45 | 37:35 | 36:05 | 39:30 | 27:15 | 38:40 | 29:55 | 34:00 | 280:45 |
| June | 41:30 | 40:10 | 33:20 | 34:45 | 36:10 | 36:40 | 38:10 | 40:15 | 301:00 |
| July | 34:45 | 41:50 | 40:00 | 35:45 | 35:55 | 34:10 | 37:55 | 37:30 | 297:50 |
| August | 39:00 | 35:50 | 34:50 | 37:30 | 40:30 | 38:35 | 8:55 | 35:45 | 270:55 |
| September | 38:45 | 38:30 | 37:30 | 36:15 | 34:15 | 32:15 | 18:15 | 34:45 | 270:30 |
| October | 35:10 | 37:30 | 37:50 | 37:15 | 35:50 | 34:45 | 30:55 | 32:15 | 281:30 |
| November | 28:00 | 31:30 | 30:30 | 26:30 | 30:50 | 30:05 | 29:30 | 28:30 | 235:25 |
| December | <u>35:15</u> | <u>36:40</u> | <u>19:00</u> | <u>41:05</u> | <u>39:10</u> | <u>38:00</u> | <u>38:25</u> | <u>38:45</u> | <u>286:20</u> |
| TOTAL | 436:00 | 449:20 | 414:50 | 436:05 | 443:25 | 412:50 | 368:30 | 429:55 | 3390:55 |

TOTAL DRILL HOURS -- STATION EXPERIENCE

| | Sta. 1 | Sta. 2 | Sta. 3 | Sta. 4 | Sta. 5 | Sta. 6 | Sta. 7 | Sta. 8 | Total |
|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| January | 42:00 | 43:45 | 37:20 | 44:15 | 45:00 | 38:15 | 42:30 | 41:55 | 335:00 |
| February | 39:45 | 39:15 | 37:15 | 37:45 | 40:15 | 35:05 | 36:45 | 38:45 | 304:50 |
| March | 35:15 | 30:00 | 34:50 | 37:15 | 41:45 | 32:20 | 34:45 | 37:00 | 283:10 |
| April | 28:50 | 36:45 | 36:20 | 28:15 | 36:30 | 24:00 | 22:30 | 30:30 | 243:40 |
| May | 37:45 | 37:35 | 36:05 | 39:30 | 27:15 | 38:40 | 29:55 | 34:00 | 280:45 |
| June | 41:30 | 40:10 | 33:20 | 34:45 | 36:10 | 36:40 | 38:10 | 40:15 | 301:00 |
| July | 34:45 | 41:50 | 40:00 | 35:45 | 35:55 | 34:10 | 37:55 | 37:30 | 297:50 |
| August | 39:00 | 35:50 | 34:50 | 37:30 | 40:30 | 38:35 | 8:55 | 35:45 | 270:55 |
| September | 38:45 | 38:30 | 37:30 | 36:15 | 34:15 | 32:15 | 18:15 | 34:45 | 270:30 |
| October | 35:10 | 37:30 | 37:50 | 37:15 | 35:50 | 34:45 | 30:55 | 32:15 | 281:30 |
| November | 28:00 | 31:30 | 30:30 | 26:30 | 30:50 | 30:05 | 29:30 | 28:30 | 235:25 |
| December | <u>35:15</u> | <u>36:40</u> | <u>19:00</u> | <u>41:05</u> | <u>39:10</u> | <u>38:00</u> | <u>38:25</u> | <u>38:45</u> | <u>286:20</u> |
| TOTAL | 436:00 | 449:20 | 414:50 | 436:05 | 443:25 | 412:50 | 368:30 | 429:55 | 3390:55 |



BUREAU OF MAINTENANCE



December 31, 1952

Chief Edward Joseph Page
Fire Division
Department of Public Safety

Dear Sir:

During the past year of 1952 more than 400 service calls were taken care of by our Maintenance Bureau. Some of the larger jobs completed by us include:

Engine 2: Major overhaul of apparatus and fire pump.
Engine 7: Motor overhauled.
Fire Alarm Truck: Overhauled; Alternator installed.
Fire Inspection Car: Overhauled.
Training-Instruction Car: Overhauled.
Engine 8: Motor rebuilt; Alternator installed.
No. 7 Auxiliary Truck: Rebuilt and painted. A new deluge set designed and built in our shop and mounted on this truck for major fires.
16 Self-Contained Oxygen Masks: Rebuilt.
Foam Engine: Unable to purchase new rear wheels for this truck; (2) wheels constructed in our shop.
Rescue Squad: New brake system installed.
Built a new trailer for Fire Alarm Telegraph.
Directional signal systems installed on all units.

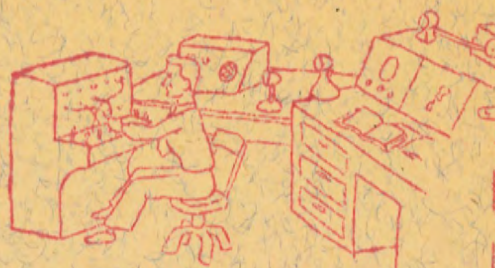
As of this date all apparatus has been service tested and found in good working order.

I wish to thank you for your cooperation and interest in our work; and I wish to thank the Station Officers and the men for their help during the past year.

Respectfully submitted,

Captain Arne W. Lerwick
Maintenance

■ ■ ■ ■ ■ ■ ■ ■ ■ ■ FIRE ALARM TELEGRAPH ■



December 31, 1952

Chief Edward Joseph Page
Fire Division
Department of Public Safety

Dear Sir:

I respectfully submit the following annual report, Fire Alarm Telegraph Bureau, for the year ending December 31, 1952.

Not as much has been accomplished toward completion of the remodeling of the fire alarm system as was hoped for at the beginning of 1952. This delay was due largely to scarcity of materials. No underground cable was installed as none was delivered to Madison until December. However, 77,000 feet of overhead wire was installed and 24 new fire alarm boxes put into service making a total of 93 boxes in service at the present time. It is anticipated that enough materials will be received in the near future to assure the practical completion of the proposed work in 1953 if the presently available manpower is put to that use.

Considerable time was again spent in 1952 on traffic signal maintenance and installations. Two completely new signal installations were made and six school warning flasher units were installed. Considerable maintenance work was performed on existing signals although overall complete maintenance is far from adequate due to lack of manpower.

Further this Bureau did more station maintenance work this year than in any year in my experience: one fire station was completely rewired and a complete new door-opener system was installed at another; an emergency power supply was provided for joint use by fire and police headquarters for emergency radio transmission in case of power failure; repair-maintenance service, to some extent, was provided in practically every fire station.

The total number of hours worked by the three members of this Bureau in 1952 was 5,609: of this number 3,445 hours or 58% of the time was spent working on fire alarm and fire stations; 2,164 hours or 42% of the time was spent on maintenance and installation of traffic signals.

It is hoped that in the year 1953 additional personnel will be provided to more adequately serve the mounting manpower needs of this Bureau. Each year as more fire alarm service is provided, more maintenance service will be required and more time will be required in monthly tests of alarm boxes and headquarters equipment thereby giving longer

Chief Edward Joseph Page

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December 31, 1952

life to the equipment and more satisfactory service from it. Each year more traffic signals are installed and here too preventive maintenance is the key to long reliable service. At the present time this Bureau is unable to provide proper maintenance to these signals thereby causing a backlog of work to be piled up which in turn causes shorter life and unnecessary breakdown of this equipment.

I would like to thank you, City Officials, and members of the Common Council for the cooperation extended the Fire Alarm Bureau during this past year.

Respectfully submitted,

Clyde R. Richards
Signal Alarm Electrician