

# 1972

# ANNUAL REPORT





CONTRA COSTA COUNTY CONSOLIDATED FIRE DISTRICT

FIRE CHIEF

A. V. Streuli

2010 Geary Road  
Pleasant Hill, California 94523

TELEPHONE (415) 939-3400

BOARD OF FIRE COMMISSIONERS

Leo F. Smarsh, Chairman  
Harold E. Wildes, Vice Chairman  
Daniel E. Boatwright  
Richard F. Holmes  
Robert I. Schroder

The Honorable Board of Fire Commissioners  
Contra Costa County Fire District  
Pleasant Hill, CA 94523

Gentlemen:

The Annual Report for 1972 is Hereby Submitted:

1972 concludes the District's eighth year as a consolidated fire operation.

The District's most important accomplishment was the notification of the Insurance Service Office that their completed grading survey resulted in obtaining a National Board Grade 3 for all our six cities and the developed portions of the unincorporated areas of Contra Costa County. This represents a significant reduction in fire insurance rates to the public.

This, along with the Fire Tax Rate of 74.9¢, identifies the Consolidated Fire District as an economical unit of fire defense. The Fire District presently holds one of the lowest tax rates of all the Central County fire departments.

The completion of our Fire College classrooms is another outstanding improvement for 1972 and will continue to represent improvements to the Fire District operations.

The Consolidated Fire District this year will also inaugurate its first Air Fire Patrol and fire surveillance operation. With a critical fire season forecast for 1973, the District will meet the demands of the public for fire protection service.

The accomplishments of the Fire District are due only to your interest and excellent support of our programs. On behalf of my administrative officers and our total personnel, we wish to thank you for your community interest and support of our Fire Service.

Respectfully submitted,

*A. V. Streuli*

A. V. Streuli  
Fire Chief



# Contra Costa County Consolidated Fire District

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# FIRE COMMISSIONERS AND AREAS SERVED

*Population* . . . . . 273,702  
*Sq. Miles* . . . . . 185  
*Assessed Valuation* . . . . . \$707,974,254

**DANIEL BOATWRIGHT – CONCORD**

*Population* . . . . . 95,000  
*Sq. Miles* . . . . . 24.0  
*Assessed Valuation* . . . . . \$191,900,000

**CLAYTON**

*Population* . . . . . 2,209  
*Sq. Miles* . . . . . 0.7  
*Assessed Valuation* . . . . . \$3,108,056

**ROBERT I. SCHRODER – WALNUT CREEK**

*Population* . . . . . 44,800  
*Sq. Miles* . . . . . 15.19  
*Assessed Valuation* . . . . . \$150,868,000

**LEO F. SMARSH – PLEASANT HILL**

*Population* . . . . . 27,000  
*Sq. Miles* . . . . . 7.0  
*Assessed Valuation* . . . . . \$55,000,000

**HAROLD E. WILDES – UNINCORPORATED**

*Population* . . . . . 65,806  
*Sq. Miles* . . . . . 103.8  
*Assessed Valuation* . . . . . \$192,783,898

**RICHARD F. HOLMES – LAFAYETTE**

*Population* . . . . . 21,393  
*Sq. Miles* . . . . . 13.0  
*Assessed Valuation* . . . . . \$63,944,000

**MARTINEZ**

*Population* . . . . . 18,300  
*Sq. Miles* . . . . . 7.5  
*Assessed Valuation* . . . . . \$50,370,300

## DISTRICT TAX RATE

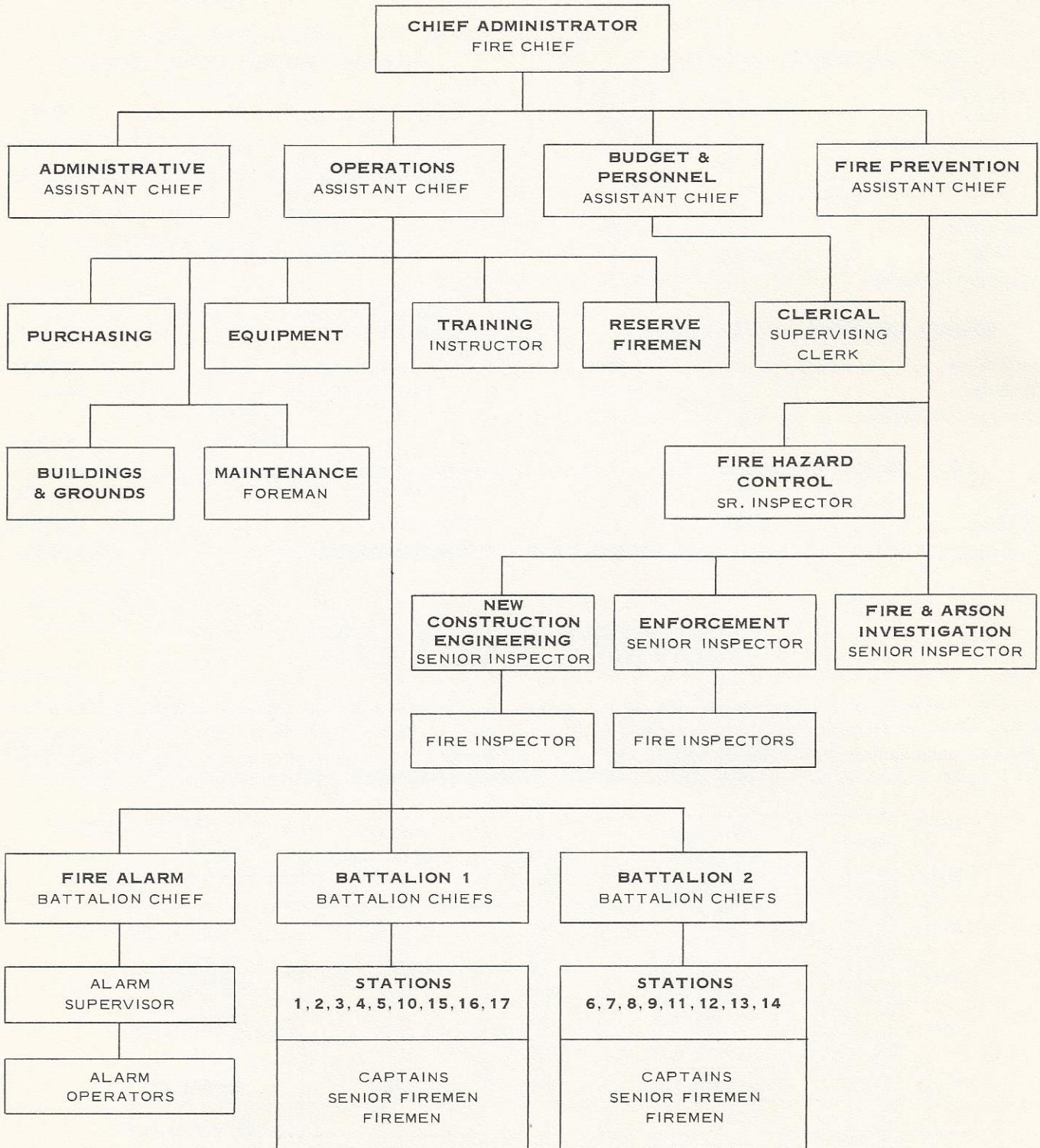
From the inception of the District in 1964 to the present fiscal year the tax rate has been reduced 12.3 cents or 16.42%. Prior to consolidation the tax rate was 87.2 cents. Each consecutive year since consolidation a reduction has been made so that the current tax rate is 74.9 cents. At the current assessed valuation of \$707,974,254, there is a savings to the taxpayers of \$870,808 for this year alone and a total accumulated savings of \$5,241,978.

YEAR	ASSESSED VALUATION	TAX RATE	TOTAL REDUCTION	SAVINGS
64 / 65	309,505,100	.872		
65 / 66	346,005,475	.820	.052	179,922
66 / 67	387,136,440	.799	.073	282,609
67 / 68	467,261,505	.750	.122	570,059
68 / 69	511,848,935	.730	.142	726,825
69 / 70	537,776,337	.725	.147	790,531
70 / 71	597,244,119	.724	.148	883,921
71 / 72	633,313,187	.724	.148	937,303
72 / 73	707,974,254	.744	.123	870,808
<b>TOTAL SAVINGS</b>				<b>5,241,978</b>

In addition to the tax savings afforded by the District, a savings of from 9.7% to 27.2% in insurance premiums was made possible for those areas annexing to the District.



# ORGANIZATION CHART





# DISTRICT PERSONNEL

CHIEF . . . . . 1	BATTALION CHIEFS . . . . . 7
Albert V. Streuli	Edward C. Allen                      Edward G. Armanino
ASSISTANT CHIEFS . . . . . 4	Ronald L. Dalton                      John W. Hill
Gerald D. Duarte                      Fred L. Golinveaux	Bernard E. Lynch                      Charles E. Marshall
Richard D. Starr                      William F. Maxfield	Ronald W. Sandmann
SENIOR FIRE INSPECTORS . . . . . 4	SENIOR FIREMEN . . . . . 72
CAPTAINS . . . . . 52	FIREMEN . . . . . 85
TRAINING INSTRUCTOR . . . . . 1	FIRE APPARATUS FOREMAN . . . . . 1
FIRE ALARM SUPERVISOR . . . . . 1	CLERICAL . . . . . 6
FIRE INSPECTORS . . . . . 8	RESERVE FIREMEN . . . . . 56
FIRE DISPATCHERS . . . . . 2	
TOTAL FULLTIME . . . . . 244	

## PERSONNEL REPORT

### NEW PERSONNEL

Roberto Campos, Firefighter  
 John Coshow, Firefighter  
 Errol Schmit, Firefighter  
 Russell Schleske, Firefighter  
 Richard Brisbon, Firefighter  
 Glen Honeywell, Firefighter  
 Williams Ott, Firefighter  
 George Newton, Firefighter  
 Roy Bell, Firefighter  
 William Smith, Firefighter  
 Richard Meyers, Firefighter  
 Clark Walker, Firefighter  
 Ralph Waller, Firefighter  
 Pattie Gilmore, Supervising Clerk I

### RETIREMENTS

Louis Milliff, Captain, 3-29-72  
 Robert Crow, Captain, 6-27-72  
 Cyril Kenney, Sr. Firefighter, 6-30-72  
 Marlin Guessing, Sr. Firefighter, 7-22-72  
 George Zulim, Captain, 7-31-72  
 Michael Irby, Captain, 8-20-72

### RESIGNATIONS

Joyce Bankston, Supervising Clerk I, 2-14-72  
 William Lane, Captain, 2-16-72

### Resignations – Continued

David Newman, Firefighter, 4-15-72  
 Oren Ray, Firefighter, 7-9-72  
 Richard Carrigan, Captain, 10-13-72

### DECEASED

Woodrow Brown, Mechanic, 5-5-72

### PROMOTIONS

John King, Captain, 9-15-72  
 Robert Boehrer, Captain, 9-15-72  
 John Burke, Captain, 9-15-72  
 Charles O'Bryan, Captain, 9-15-72  
 Richard Brown, Sr. Inspector, 9-18-72  
 Richard Viera, Sr. Inspector, 9-18-72  
 Robert Mangini, Sr. Inspector, 9-18-72  
 Darrell Harguth, Sr. Inspector, 9-18-72  
 Jon Woolridge, Inspector, 11-1-72  
 Vernon Paulson, Inspector, 11-1-72  
 Chester Nelsen, Inspector, 11-1-72  
 David Emery, Inspector, 11-1-72  
 James Jerge, Inspector, 11-20-72  
 Aart Rackwitz, Captain, 11-10-72  
 William Greelman, Sr. Firefighter, 11-1-72  
 Alby Meyer, Sr. Firefighter, 11-1-72  
 Lester Rodgers, Sr. Firefighter, 11-1-72  
 James Jerge, Sr. Firefighter, 11-1-72  
 Jules Sweany, Sr. Firefighter, 11-1-72  
 Donald Gross, Sr. Firefighter, 11-1-72

### PERSONAL INJURY & TIME LOST CHART

YEAR	TOTAL INJURIES	MEDICAL ATTENTION REQUIRED	HOURS LOST
1965	92	30	4,752
1966	142	15	5,496
1967	138	38	1,872
1968	73	27	1,320
1969	138	65	4,444
1970	184	88	20,631
1971	181	69	23,850
1972	217	101	20,148



# TRAINING

The training objective for 1972 was to continue to develop and expand existing programs. Emphasis was placed on developing methods of presenting specialized classroom training to companies in short instructional units. Evaluations were conducted on the use of 16MM films and 35MM slide programs, to determine a simple yet efficient presentation system for individual company training.

Three evaluations were conducted during the year to review individual fire fighter performance levels. One hundred and fifty nine men were evaluated on ladder skills, one hundred and seventy two were evaluated on salvage skills and one hundred and sixty seven were evaluated on breathing apparatus.

In May the Training Staff teamed up with representatives of the Eastman Kodak Company to present a two day program on "Developing and Presenting Training Slides" at the State Training Officer Workshop held in Fresno. This represented the third year that the district has been requested by the state to give this presentation.

The Fire Districts 54 hour emergency care course was expanded to 75 hours to coincide with the recommendations of the National Academy of Sciences – National Research Councils Committee of Emergency Medical Services. The course was redesignated Emergency Medical Technician Training – Firefighter.

Monthly review training on rescue and emergency care was expanded to meet the increased demands of rescue and medical emergencies. Specialized short courses were given on auto accident procedures, backboard procedures and cardiopulmonary resuscitation.

In November, 13 men graduated from 7 weeks of recruit training and were assigned to engine companies. This represented the longest recruit training period thus far presented by the district.

## *Summary of Training Activities*

COMPANY TRAINING . . . . .	40,701 MAN-HOURS
2.29 HOURS PER DAY	
TOWER DRILLS . . . . .	316
MULTI-COMPANY . . . . .	51
INSTRUCTIONAL . . . . .	32
EVALUATION . . . . .	233
RECRUITS TRAINED . . . . .	13 MEN
280 HOUR COURSE	
OFFICER TRAINING SESSIONS . . . . .	15



## Summary of Training Activities (Continued)

INSTRUCTOR TRAINING SESSIONS . . . . .	14
SPECIAL COURSES COMPLETED . . . . .	9
SCHOOL, WORKSHOPS, SEMINARS ATTENDED . . . . .	2
OUTSIDE AGENCIES TRAINED BY DEPARTMENT . . . . .	5

The success of the Reserve Firemen Training Program is a real tribute to the company captains and personnel who conduct the weekly training sessions. Performance by reserve personnel is totally dependent on their sincere efforts. Tower drills have proven that their training has resulted in a high degree of proficiency in our reserve forces.

## RESERVE FIREMEN

TOTAL RESERVE FIREMEN . . . . .	62
RESERVES ADDED 1972 . . . . .	21
RESERVES LOST 1972 . . . . .	15

### ACTIVITY SUMMARY

ACTIVITIES	STATION 7	STATION 12	STATION 14	STATION 18	STATION 19	TOTAL
Regular Drills	48	52	52	26	19	201
Man/hrs. All drills	502	1038.5	947	36	126	2649.5
Average attendance per drill	5.2	9.4	9	.5	2.1	5.66
Fires responded to	71	44	30	19	14	178
Average response to fires	3.0	4.8	4.6	1.4	1.5	3.06

4 July Fireworks stand by.  
 Station #18 at Concord  
 Station #14 at Martinez

**MEMBERSHIPS:**

**CONTRA COSTA COUNTY FIREMENS ASSOCIATION . . . . . 100%**  
*Station #12 hosted 1972 annual meeting*



# FIRE ALARM

1. The position of Communications Supervisor was established. Duties include the direction and supervision of fire alarm operations and related maintenance programs.
2. A new system of transmitting alarms to fire stations was implemented during the month of May. This new system uses a separate radio channel for alerting individual fire companies to respond. It has reduced the company response time an average of ten seconds and also allows all responding personnel to hear the alarm as it is transmitted.
3. A new colored light status board was installed in Fire Alarm. This board is used by fire alarm operators to record the operational status of each piece of District apparatus.
4. Various written procedures were reviewed and up-dated. These procedures are used as operational guides and training material for fire alarm operators.
5. A radio alarm box relay station was installed at Station 3 in the Saranap area. This relay station receives signals from radio boxes in the Lafayette area and retransmits them to Fire Alarm automatically.
6. 27 additional radio alarm boxes were installed this year. Additional boxes were purchased and will be installed in the various mercantile and high value areas of the district requiring box service. Many of these new boxes will replace the wire line boxes recently removed from the Concord and Walnut Creek areas.
7. Installation of radio and command post equipment in the Communications unit was completed. This unit is used on a day to day basis for servicing fire alarm equipment in the field and it will also respond to major emergencies and serve as a field command post.
8. Telephone service from the District PBX switchboard was extended to all manned fire stations. This telephone system replaced the previous direct telephone service between stations and Fire Alarm Center and now allows inter-departmental dial telephone service from the fire stations.
9. Two District personnel attended a one week school on the maintenance of radio fire alarm box systems.

# SERVICES

## TRIPLE COMBINATION PUMPERS

1500 Gallons Per Minute . . . . .	1
1250 Gallons Per Minute . . . . .	5
1000 Gallons Per Minute . . . . .	12
750 Gallons Per Minute . . . . .	10
500 Gallons Per Minute . . . . .	4

## GRASS FIRE APPARATUS

300 Gallons Per Minute – Power Wagon . . . . .	2
150 Gallons Per Minute – Power Wagon . . . . .	4
150 Gallons Per Minute – Grass . . . . .	2
130 Gallons Per Minute – 4 Wheel Drive . . . . .	2
High Pressure Grass . . . . .	1

## TANKERS

500 Gallons Per Minute/1100 Gallons Capacity . . . . .	1
1200 Gallons Capacity . . . . .	1

## AERIAL LADDER TRUCKS

100 Foot Aerial Extension . . . . .	1
85 Foot Aerial Extension . . . . .	1

## AERIAL PLATFORM LADDER TRUCK

90 Foot Articulating Boom/1500 Gallons Per Minute Pump . . . . .	2
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## ACCESSORY EQUIPMENT

Fire Alarm Truck . . . . .	1
Flat Bed Crane . . . . .	1
Wrecker/Tow Truck . . . . .	1
Lubrication Truck . . . . .	1

**TOTAL PUMPING CAPACITY . . . . . 34,600 GPM**

All Pumping Engines Were Tested In  
 Accordance With NFPA Guidelines . . . . . 48 HOURS



# EQUIPMENT

## Radio Equipment – (Operational Channels)

Base Stations . . . . .	10
Portable Stations . . . . .	1
Mobile Units . . . . .	85
Portable Units . . . . .	28
Home Monitor Receivers . . . . .	90
Page Receiver . . . . .	1
Microwave Systems . . . . .	1

## Radio Equipment – (Radio Alarm Channel)

Base Stations . . (1 Standby) . . . . .	2
Fire Station Receivers . . . . .	20
Mobile Units . . . . .	2

## Municipal Fire Alarm System – (Radio Boxes)

Street Boxes . . . . .	59
Street/Master Boxes . . . . .	5
Master Only . . . . .	2
Special . . (Diablo Valley College) . . . . .	27
Radio Box Receiving Systems . . . . .	2
Radio Box Relay System . . . . .	1

## Municipal Fire Alarm System –

*(Wireline Martinez Area)*

Street Boxes . . . . .	102
Street/Master Boxes . . . . .	5
Master Only . . . . .	1

## Private Alarm Systems – (Terminating in Fire Alarm)

Central Station Type . . . . .	46
Remote Station Type . . . . .	13

# APPARATUS MAINTENANCE

### WORK PERFORMED

### NUMBER OF UNITS

#### Maintenance

General Engine Repairs . . . . .	210
Engine Overhauls . . . . .	6
Valve Grinds . . . . .	8
Tune Ups . . . . .	42
Body Repairs . . . . .	11
Paint Jobs . . . . .	2
Tank Repairs . . . . .	3
Pump Repairs . . . . .	33
Plumbing Repairs . . . . .	16
Brake Repairs . . . . .	45

#### Electrical

Radio Installed . . . . .	5
General Wiring . . . . .	35

### WORK PERFORMED

### NUMBER OF UNITS

#### Radiators

New . . . . .	1
Repaired . . . . .	11

#### Lubrications

Engines . . . . .	64
Cars & Pickups . . . . .	29

#### Tires

New . . . . .	58
Repaired . . . . .	39

#### Batteries

New . . . . .	11
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#### Miscellaneous Work

Miscellaneous Work . . . . .	8
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# HYDRANTS

## HYDRANTS TESTED & SERVICED

Hydrants were tested, flowed and serviced as follows:

TOTAL HYDRANTS IN DISTRICT . . . . .	5,099
TOTAL INSPECTIONS CONDUCTED . . . . .	10,000
TOTAL HYDRANTS TESTED . . . . .	500
NEW HYDRANTS . . . . .	290
TOTAL MAN-HOURS EXPENDED . . . . .	6,840



# RESPONSE DATA

TYPE OF INCIDENTS: Number and variety of alarm responses	TOTAL
Fires . . . . .	2,108
Rescue . . . . .	1,474
Hazardous Conditions . . . . .	574
Public Service . . . . .	693
Mistaken Alarms . . . . .	598
False Alarms . . . . .	333
Assist Another Fire Department . . . . .	41

FIRES: Number and Type	TOTAL
Building Fires . . . . .	424
Appliance, Furniture Fires* . . . . .	348
Vehicle, Auto Fires . . . . .	437
Misc. Exterior Fires . . . . .	302
Grass, Brush Fires . . . . .	597

\* Inside Buildings

CAUSE OF FIRES IN BUILDINGS:	
Electric Appliances . . . . .	62
Heating Equipment . . . . .	44
Electrical Systems . . . . .	59
Cooking Equipment . . . . .	159
Combustibles Adjacent to Heat . . . . .	35
Incendiary or Suspicious . . . . .	167
Open Flames or Embers . . . . .	169
Internal Combustion Engines . . . . .	5
Misc. or Unknown Cause . . . . .	72

NUMBER OF FIRES IN BUILDINGS: Number by size of dollar loss		TOTAL
\$0 to \$100 . . . . .		400
\$101 to \$1,000 . . . . .		209
\$1,001 to \$5,000 . . . . .		77
\$5,001 to \$10,000 . . . . .		31
\$10,001 to \$15,000 . . . . .		15
\$15,001 to \$25,000 . . . . .		22
\$25,001 to \$50,000 . . . . .		14
\$50,001 to \$100,000 . . . . .		3
\$100,001 to \$250,000 . . . . .		-
\$250,001 and over . . . . .		1

FIRE CASUALTIES: Citizens injured or died during fires		TOTAL
Injuries . . . . .		67
Fatalities . . . . .		7

DOLLAR FIRE LOSS: By Area		\$2,363,453
Clayton City . . . . .	✓	2,210
Concord City . . . . .		1,145,662
County (Unincorporated) . . . . .		487,451
Lafayette City . . . . .		150,260
Martinez City . . . . .		132,295
Pleasant Hill, City . . . . .		98,425
Walnut Creek City . . . . .		347,150

### TYPES OF INCIDENTS BY CITIES: The number and variety of alarms within each city.

	CLAYTON	CONCORD	COUNTY	LAFAYETTE	MARTINEZ	PLEASANT HILL	WALNUT CREEK
Fires . . . . .	17	719	545	155	173	186	313
Rescue . . . . .	9	403	360	117	142	127	316
Hazardous Conditions . . . . .	6	170	82	80	48	49	138
Public Service . . . . .	3	163	108	130	54	66	169
Mistaken Alarms . . . . .	3	160	126	70	51	65	123
False Alarms . . . . .	2	79	21	14	128	30	59
TOTAL IN EACH CITY . . . . .	40	1694	1242	567	596	523	1118

### NUMBER OF FIRES BY CLASSIFICATION AND SIZE OF DOLLAR LOSS

	EXTERIOR	MOBILE	BUILDINGS	TOTAL
1. \$0 to \$100	873	232	400	1505
2. 101 to 1,000	24	180	209	413
3. 1,001 to 5,000	1	22	77	100
4. 5,001 to 10,000	-	1	31	32
5. 10,001 to 15,000	-	-	15	15
6. 15,001 to 25,000	-	2	22	24
7. 25,001 to 50,000	-	-	14	14
8. 50,001 to 100,000	-	-	3	3
9. 100,001 to 250,000	-	-	-	-
10. 250,001 and Over	1	-	1	2



## RESPONSE DATA (Continued)

**FIRES BY OCCUPANCY:** The number of fires in each type of occupancy within each city.

OCCUPANCY	CLAYTON	CONCORD	COUNTY	LAFAYETTE	MARTINEZ	PLEASANT HILL	WALNUT CREEK	TOTAL
Public Assembly	—	10	3	3	1	5	4	26
Educational	—	11	4	5	2	6	2	30
Institutional	—	—	—	2	8	1	3	14
Offices	1	7	4	—	2	2	7	23
Apts., Motels, Etc.	—	50	9	10	18	8	24	119
Family Homes	4	159	113	38	30	52	57	453
Commercial Sales	—	12	3	2	1	4	8	30
Services & Repair	—	11	2	1	3	2	5	24
Manufacturing	—	3	6	1	1	1	—	12
Warehouse, Storage	2	15	15	3	4	1	1	41
<b>Total in Buildings</b>	<b>7</b>	<b>278</b>	<b>159</b>	<b>65</b>	<b>70</b>	<b>82</b>	<b>111</b>	<b>772</b>
Vehicles, Autos	3	137	101	34	39	35	88	437
Misc. Exterior	3	123	76	18	18	28	36	302
Grass & Brush	5	180	209	38	46	41	78	597
<b>Total Exterior</b>	<b>8</b>	<b>303</b>	<b>285</b>	<b>56</b>	<b>64</b>	<b>69</b>	<b>114</b>	<b>899</b>

**DOLLAR FIRE LOSS BY OCCUPANCY:** The dollar fire loss by occupancy within each city.

OCCUPANCY	CLAYTON	CONCORD	COUNTY	LAFAYETTE	MARTINEZ	PLEASANT HILL	WALNUT CREEK	TOTAL
Public Assembly	—	59,860	2,100	10,100	—	4,060	21,300	97,420
Educational	—	54,860	40,000	750	—	5,250	900	101,760
Institutional	—	—	—	75	200	650	1,000	1,925
Offices	1,000	60	50	—	—	3,000	44,250	48,360
Apts., Motels, Etc.	—	97,855	17,895	6,650	74,550	900	9,360	207,210
Family Homes	950	374,437	312,760	125,870	16,535	66,205	223,195	1,119,952
Commercial Sales	—	12,225	2,220	—	50	10,520	1,305	26,320
Services & Repair	—	965	525	5	16,200	50	700	18,445
Manufacturing	—	68,500	600	25	100	25	—	69,250
Warehouse, Storage	—	440,175	25,470	120	6,500	500	25,000	497,765
<b>Total in Buildings</b>	<b>1,950</b>	<b>1,108,937</b>	<b>401,620</b>	<b>143,595</b>	<b>114,135</b>	<b>91,160</b>	<b>327,010</b>	<b>2,188,407</b>
Vehicles, Autos	260	33,895	79,896	4,990	17,960	6,490	17,300	160,791
Misc. Exterior	—	2,530	3,760	625	100	595	2,215	9,825
Grass & Brush	—	300	2,175	1,050	100	180	625	4,430
<b>Total Exterior</b>	<b>—</b>	<b>2,830</b>	<b>5,935</b>	<b>1,675</b>	<b>200</b>	<b>775</b>	<b>2,840</b>	<b>14,255</b>



# RESPONSE DATA (Continued)

	TOTAL
<b>RESCUE RESPONSE</b>	<b>1,474</b>
Breathing Difficulties	420
Cardiopulmonary Arrest	129
Extrication	74
Wounds/Bleeding	67
Skeletal Injuries	52
Poisoning/Overdose	65
Unconscious/Cause Unknown	62
Multiple Injuries	23
Other	238
No Service Rendered or Cancelled	344

## HOW DEPARTMENT RECEIVED ALARM

Municipal Fire Alarm System	272
Private Fire Alarm System	96
Fire Department Personnel	64
Telephone	4,320
Radio from Outside Agency	804
Direct, Silent, Still Alarm	224

## SIZE OF GRASS, BRUSH AND OTHER EXTERIOR FIRES

Confined to object of origin ( <i>No Spread</i> )	281
1 to 100 feet	279
100 to 10,000 sq. feet ( <i>1/4 acre</i> )	229
1/4 acre to 1 acre	49
1 to 5 acres	40
5 to 25 acres	7
25 to 100 acres	5
Over 100 acres	9

## HOW FIRES WERE CONTROLLED

	EXT.	MOBILE	BLDGS.	TOTAL
Cold-fire or burned out upon arrival	58	47	120	225
Controlled by citizens	165	132	223	520
Controlled by extinguishing system ( <i>sprinklers</i> )	2	3	9	14
Controlled w/fire extinguisher, garden hose	37	61	72	170
Controlled by booster lines	603	184	213	1,000
Controlled by 1 1/2" lines	14	3	98	115
Controlled by 2 1/2" lines	11	—	9	20
Controlled by Master Streams	2	—	2	4
Controlled by firewall or separation wall	—	—	—	—
Remove or shut off fuel, fuel consumed	7	7	26	40

## RESPONSE AND USE OF EQUIPMENT: ALL FIRES

Engines	2,881
Trucks	159
Power Wagons and Tankers	262
Personnel	9,423
No Hose Streams Needed	1,756
Booster (3/4") Hose Streams	245
1 1/2" Hose Streams	93
2 1/2" Hose Streams	6
Master Streams	43
Hydrant Line Streams	—
Chief Officers Responded	495
Fire Investigators Responded	201
Assisted by Police Departments	548
Assisted by Outside Fire Departments	33



# RESPONSE DATA SUMMARY

TIME PERIOD	STATION	PERSONNEL	VEHICLES	TOTAL
3. 0601 to 0900 hours	27	22	55	104
4. 0901 to 1200 hours	74	56	85	215
5. 1201 to 1400 hours	109	52	82	243
6. 1401 to 1600 hours	191	73	103	367
7. 1601 to 1800 hours	173	59	106	338
8. 1801 to 2000 hours	113	51	99	263
9. 2001 to 2200 hours	81	51	88	220
10. 2201 to 2400 MIDNIGHT	47	26	55	128

## FIRE PREVENTION

During 1972, the Fire Prevention Bureau saw an increase in demands for inspections, engineering, enforcement, fire hazard control and fire investigation.

Inspections for the Bureau were down in 1972 due to a shortage of personnel in the enforcement section until late in November.

A large increase in the number of requests to inspect new State licensed facilities required a re-distribution of inspection areas and improved methods to process this increased workload.

This re-adjustment was completed when all vacancies in the Bureau were filled by the appointment of 5 new Inspectors on November 1, 1972.

The entire enforcement section completed extensive training in State and local fire codes. The majority of this training was completed at the department level. However, all Bureau personnel attended a 40 hour Title 19 Workshop taught by the State Fire Marshal's Office.

The Fire and Investigation Unit investigated 172 fires during 1972, 75 of which were determined to be incendiary. 120 juveniles were processed for fire setting, false alarms and accidental fires. 16 juveniles were cited to Juvenile Court, 79 were processed on a departmental basis and 25 were processed through the department and the school districts. The school and departmental cases were for restitution of damages to the school districts.

All vacancies within the Bureau were filled in 1972.

Four Inspectors were promoted to the classification of Senior Inspector.

The Senior Inspectors supervise and perform the more difficult technical and specialized work within the Fire and Investigation Unit, Fire Hazard Control Unit, Enforcement Unit and the Engineering and New Construction Unit.

Four departmental personnel were promoted to Fire Inspector to fill vacancies created by the four Senior Inspector promotions.



# FIRE PREVENTION PROGRAMS AND ACTIVITIES

FIRE PREVENTION BUREAU INSPECTIONS . . . . .	2,642
FIRE COMPANY INSPECTIONS . . . . .	4,875
<b>TOTAL INSPECTIONS . . . . .</b>	<b>7,517</b>
PUBLIC ASSEMBLY . . . . . <i>(Theaters, Churches, Restaurants, Bars, etc.)</i>	895
EDUCATIONAL & INSTITUTIONAL . . . . . <i>(Schools, Hospitals, Jails, Boarding Homes, etc.)</i>	832
OFFICES . . . . . <i>(Banks, Doctors' Offices, Research Labs, Utilities, General Offices)</i>	1,484
RESIDENTIAL . . . . . <i>(Hotels, Motels, Apartments, Dwellings, etc.)</i>	626
COMMERCIAL . . . . . <i>(Retail Sales, Department Stores, Groceries, Wholesale Outlets, etc.)</i>	1,214
SERVICE . . . . . <i>(Snack Bars, Cleaners, Printers, Auto Service &amp; Repair, Barber &amp; Beauty Shops, etc.)</i>	1,261
MANUFACTURING . . . . . <i>(Canneries, Woodshops, Machine Shops, Chemical Processing, etc.)</i>	248
STORAGE . . . . . <i>(Warehouses, Storage Buildings, Lumber Yards, etc.)</i>	479
NEW CONSTRUCTION . . . . . <i>(Buildings Under Construction, Remodeling, Fire Protection Systems)</i>	522
PERMITS ISSUED . . . . .	411
COMPLAINTS INVESTIGATED . . . . .	408
PLANS REVIEWED . . . . .	522
FIRES INVESTIGATED . . . . .	176
SUSPICIOUS FIRES . . . . .	140
OTHER FIRES . . . . .	36
JUVENILE REPORTS . . . . .	141
TOTAL INVESTIGATION TIME . . . . .	1,550 HOURS



# *Exterior Fire Hazard Control*

The Division of Fire Hazard Control directs the elimination and abatement of exterior fire hazards under the authority of State and local statutes.

The objectives of the Abatement Program are to prevent and eliminate grass, rubbish and exterior fires which may endanger private homes or other structures, and to reduce the size of large grassland fires which may occur in the rural pasture and cropland areas.

The Abatement Program is self-supporting, being funded by an administrative charge which is assessed against those properties where abatement by the Fire District is necessary.

Property Inspections . . . . .	8,040
Fire Hazards Abated By District . . . . .	2,467
Fire Hazard Complaints Investigated . . . . .	592

## *Bureau Training*

	MAN-HOURS
ARSON SEMINARS . . . . .	40
ARSON WORKSHOPS . . . . .	34
IN-STAFF TRAINING . . . . .	382
TOTAL MAN-HOURS	456

## *Public Education*

### LECTURES AND DEMONSTRATIONS

SERVICE CLUBS    INDUSTRIES    HOSPITALS  
SCHOOLS    SCOUTING

NUMBER OF PROGRAMS . . . . .	369
TOTAL AUDIENCE . . . . .	9,581

### PUBLIC INFORMATION RELEASES

TOTAL RELEASES . . . . .	24
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### FIRE PREVENTION WEEK

RADIO MESSAGES	HANDOUTS
NEWSPAPER ARTICLES	MARQUEE SIGNS
STORE DISPLAYS	SCHOOL PROGRAMS
WINDOW POSTERS	STATION OPEN HOUSE



## *Organizational Participation and Meetings*

ASSOCIATED PUBLIC-SAFETY COMMUNICATIONS INC. – APCO  
BAY AREA AIR POLLUTION CONTROL DISTRICT  
BAY AREA RAPID TRANSIT DISTRICT  
CALIFORNIA CONFERENCE OF ARSON INVESTIGATORS  
CALIFORNIA FIRE CHIEFS' ASSOCIATION, FIRE PREVENTION SECTION  
CONTRA COSTA COUNTY FIRE PREVENTION OFFICERS' ASSOCIATION  
CONTRA COSTA COUNTY DEPARTMENT OF SOCIAL SERVICES  
INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS  
INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION – IMSA  
NORTHERN CALIFORNIA FIRE INVESTIGATORS ASSOCIATION  
STATE BUILDING STANDARDS COMMISSION

## *Committee Participation*

C C C F P O A CODES COMMITTEE  
N F P A HAZARDOUS CHEMICALS COMMITTEE  
I C B O BUILDING CODES COMMITTEE, EAST BAY CHAPTER  
N F P A EDITH COMMITTEE  
FIRE ASSEMBLIES COMMITTEE  
I C B O FIRE AND LIFE SAFETY COMMITTEE  
BAY AREA WATERFRONT FIRE SAFETY COMMITTEE  
S B S C GOVERNMENTAL LIAISON COMMITTEE