

*John Mc Cafferty*



SCOTTISH HOME AND HEALTH DEPARTMENT

Her Majesty's  
Inspector of Fire Services  
for Scotland  
*Report for 1971*

*Presented to Parliament by the Secretary of State for Scotland  
by Command of Her Majesty  
August 1972*

EDINBURGH  
HER MAJESTY'S STATIONERY OFFICE

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SCOTTISH ENVIRONMENTAL PROTECTION ACT 1974  
Her Majesty's  
Inspector of Pollution  
for Scotland  
Report for 1974

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## Report 1971

of JOHN JACKSON, Esq., O.B.E., M.I.F.E.,  
*Her Majesty's Inspector of Fire Services for Scotland*

TO THE RIGHT HONOURABLE GORDON CAMPBELL, M.C., M.P.,  
*Her Majesty's Secretary of State for Scotland.*

SIR,

1. I have the honour to submit my report on the Fire Services in Scotland for the year ended 31st December, 1971.
2. Inspections in each of the eleven brigades were carried out during the year and it is with a considerable sense of satisfaction that I am able to state that the high standards referred to in my previous reports are being maintained by the fire authorities. This is the more creditable when it is remembered that the work was carried out in a situation of some uncertainty and doubts as to the future of the Fire Service pending local government reorganisation and implementation of the recommendations in both the Holroyd Report and the Cunningham Inquiry.
3. The number of fires attended by brigades varies from one year to another. Last year I drew attention to the fact that there had been a drop of 128 fire calls from the previous year's figure and expressed the hope that this might mark the beginning of a downward trend. I very much regret having to report that the returns for 1971 show a rise of 257 over those for 1970. As was to be expected, however, the number of calls to brigades for assistance under the heading of special services increased to a total of 3,983, which is an increase of 183 over the 1970 figure.
4. While the incidence of fire calls received in Scotland has increased, it is most gratifying to be able to record that the number of lives lost at fires in 1971 has dropped quite considerably from previous years. A total of 88 lives were lost which is the lowest figure recorded since 1965 and it is earnestly hoped that this decline will be maintained in the future.
5. There is no doubt that the vast majority of fires are caused as a direct result of carelessness in one form or another. Although the reduction in the number of deaths as a result of fire is encouraging, the fact that the number of fires has increased indicates that there can be no relaxation in the fire prevention campaigns carried out by brigades and the publicity given in the press and on television to the basic methods of maintaining sound fire prevention.
6. The fire prevention departments of brigades continue to be heavily committed in all sectors of their work, a considerable part of which consists of inspections made under the statutory requirements of the Factories Act and the Offices, Shops and Railway Premises Act. Examination of plans for new buildings and alterations to existing buildings under the Building Standards Regulations also make heavy demands on the resources of the departments. Requests for advice

on fire precautions on a goodwill basis continue to be made in increasing numbers. This is a satisfactory indication of the growing interest shown by many people responsible for a wide variety of premises and of their appreciation of the value of applying good fire prevention techniques.

7. Fire brigades have been engaged for some time past in the training of operational firemen in fire prevention work in order to ease the workload of the fire prevention departments generally and in particular in anticipation of the Fire Precautions Act which came into force in March of this year. The Act will have far reaching effects in relation to fire safety in places of public assembly and resort which are not already covered by legislation, such as certain places of public entertainment and residential premises, including hotels and boarding houses. There has recently been a disconcerting increase in the number of fires, and in subsequent loss of life, occurring in hotels over the country as a whole and the first regulations to be made under the Act are concerned with the safety of the residents and staff in such premises. In view of the additional workload and responsibility which it was foreseen the Act would place upon brigades the Scottish Central Fire Brigades Advisory Council set up a Working Party to study "The use of operational firemen on fire prevention duties". In August of last year the Council approved the circulation to fire authorities of the report of the Working Party, the main conclusions of which are dealt with in the later part of this Report.

8. In March 1971 a committee under the chairmanship of Sir Charles Cunningham, K.C.B., K.B.E., C.V.O., was set up to undertake a fact finding inquiry into the work of the whole-time members of the fire service in Great Britain and to evaluate the job of the fireman. The work of this committee was completed, and its report published, in October of last year. The report was welcomed by the Service for the depth of the investigations which the Committee had undertaken. The main recommendations were that the scales of pay for the ranks should be completely revised in order that the various skills of the fireman are adequately recognised in relation to the equivalent skills in industry and that some modification should be made to the rank structure.

9. Recruitment to the service continued to show an improvement over previous years but brigades have in general not yet attained the authorised establishments. At the end of the year the establishment of whole-time men in Scotland stood at 3,114, the actual strength being 2,848, or 266 below establishment. In my last report I drew attention to the large number of men expected to retire during 1972 and 1973. While recruitment has improved by some 115 men during the year under review I continue to be concerned about the position in the next few years, unless ways can be found to attract, in sufficient numbers, men of the necessary calibre.

10. In the retained service there has been a slight improvement in numbers—29 more men than in 1970. Part of this has taken place in the North and North Eastern Areas which in my last report I stated were finding difficulty in recruiting retained personnel. The gravity of the situation in these areas can still not be disregarded and the continued difficulty of recruiting sufficient retained personnel is a source of concern to the officers of the brigades concerned.

11. The restrictions placed on public expenditure in 1968 affected the establishment of the fire service to the extent that fire authorities were unable to increase

brigade establishments in order to cope adequately with the increased demands for training in both operational and fire prevention work. I am pleased to say that these restrictions have now been lifted and fire authorities are presently engaged in reviewing their establishments. Such revisions are necessary to enable brigades to deal adequately with the steadily growing demands which are being made upon them. It is essential, as I have already stated, that means are found to attract suitable men into the service so that its efficiency and development can be maintained.

12. In concluding this Report I should like to place on record an acknowledgement of the resolution and devotion to duty displayed by the officers and men of the Scottish Fire Service.

I have the honour to be,

Sir,

Your Obedient Servant,

J. JACKSON,

*H.M. Inspector of Fire Services for Scotland.*

June, 1972

# CHAPTER I

## *Operational*

### **Fires and other occurrences**

1. The incidence of fires attended by brigades (excluding chimney fires) rose marginally to a total of 25,888, an increase of 257 compared with 1970; more than 95 per cent requiring the attendance of a single pumping appliance only. The incidence of chimney fires continued its generally downward trend with a total of 5,270; this was 267 less than in 1970. (See Table 3).

2. The estimated fire losses for the United Kingdom rose to a new record figure of £128.7 millions. In Scotland the figure was £13.3 millions, which was £3.0 millions higher than in 1970. For the first time in several years, the percentage increase in the total of fire losses was higher in Scotland than for the country as a whole. This appears to be due in the main to a higher average figure of loss over major incidents.

3. Malicious false alarms received by brigades rose sharply to 4,008, an increase of 381 over the figure for 1970. False alarms given with good intent also show a marked increase of 421 to a total of 7,055.

4. Persons rescued at fires totalled 282 compared with 179 in 1970. At occurrences other than fires, 767 persons were rescued, 25 fewer than in 1970. A total of 88 lives were lost at fires attended by brigades and of these 76 persons died (or received injuries which resulted in death) before the arrival of the brigade. This compares with the figures of 119 and 98 respectively for 1970.

5. Attendances by brigades at special service incidents, i.e. accidents and mishaps etc. other than fires, increased to 3,983 as compared with 3,800 in 1970. Included in the total were attendances at 805 road accidents, in which 109 persons died and injuries were sustained by 385; the relevant figures for 1970 were 929, 105 and 426 respectively.

### **Fire Prevention**

6. Demands for fire prevention advice continue to increase. The numbers of premises inspected give no indication of the man hours involved but there is no doubt that modern factory complexes and town centre developments are demanding more time and study than ever before. (See Table 4).

7. During the period 452 new certificates were issued under Section 40 of the Factories Act 1961, 346 existing certificates were revised and 675 certificates reviewed.

8. A total of 1,558 general fire prevention inspections and 512 follow-up inspections were carried out on behalf of the Factory Inspectorate under the Offices, Shops and Railway Premises Act 1963.



9. Other than inspections of premises covered by the requirements of the Factories Act 1961 and the Offices, Shops and Railway Premises Act 1963, brigades carried out 2,921 full survey inspections, 13,988 specific inspections, 5,369 routine inspections and 1,805 follow-up inspections.

10. There were 120 fire prevention officers in post in brigades at the end of the period, with a vacancy in 1 brigade.

#### **Mutual Assistance**

11. Under Sections 2 and 12 of the Fire Services Act 1947, provision is made for mutual assistance between brigades. During the year assistance with first attendance was given to other brigades on 1,110 occasions. Reinforcements were supplied by neighbouring brigades on 12 occasions.

#### **Communications**

12. VF System A equipment was installed in one additional fire authority area during the year, making four brigades in Scotland which use the system.

13. A satisfactory field trial of the modified System DX equipment was conducted in the South Western Fire Area. A Post Office decision whether or not the modified equipment should be made generally available is awaited.

14. Development of a radio alerter which can be used in place of a siren and call bell devices for mobilising retained stations, using the existing brigade radio system as the bearer, is now at an advanced stage. Various tests in the development of this system have been carried out by the Central Fire Authority. It seems possible that such equipment may be brought into operational use shortly if demonstrations are successful.

15. Radio tests have been carried out in the Angus Fire Area and a new mobile control system will be introduced at an early date.

#### **Appliances and Equipment**

16. Purchase of first line firefighting appliances by brigades in Scotland over the period totalled 24 and consisted of 1 hydraulic platform, 1 turntable ladder, 17 water tenders and 5 water tender ladders with hydraulic booms and monitors. Additionally there were 2 emergency tenders, 2 light pumping appliances and 1 hose carrier purchased.

17. Of all first line major appliances now in use, only 4 per cent, do not conform to the centrally recommended specifications. About 12 per cent are over 19 years old.

#### **Water Supplies**

18. The total number of fire authority hydrants in Scotland is 116,684. Of this number 78.5 per cent are fully standard installations and 13.5 per cent have been fitted with standard outlets. Of the remainder, 7.7 per cent are non-standard installations incapable of conversion and 0.3 per cent could be modified, but adaptations would entail the use of non-standard equipment which is costly. The replacement of non-standard hydrants is being progressed by all authorities involved.

19. During the setting up of the new regional water boards liaison and operation with fire brigades was well maintained. It is hoped that, since the transitional period is now over, those fire authorities who have placed orders for the completion of their hydrant standardisation programme can have the work carried out with the minimum delay.

### **Research**

20. Throughout 1971 all the Scottish brigades co-operated with the Operational Fire Research Group of the Home Office in a project for the collection of more detailed statistics about fires. The objectives were to study the rate of growth of fires at different stages of their development, to establish more accurately the direct and consequential losses due to fires and to assess the standards of fire cover provided by brigades. It is hoped that the analysis of the new statistics will make clearer the relationship between fire cover and fire losses.

## CHAPTER II

### *Administration*

#### **Honours and Awards**

21. The following personnel received recognition in the Queen's Honours Lists:

Queen's Fire Service Medal

Firemaster J. C. Donnachie, North-Eastern Area Fire Brigade.

Order of the British Empire (Civil Division)—Member (M.B.E.)

Assistant Firemaster P. S. Morrison, South Western Area Fire Brigade.

British Empire Medal (B.E.M.)

Sub Officer (retained) G. McFarlane, Perth and Kinross Area Fire Brigade.

22. 82 members of Scottish brigades were awarded the Fire Brigade Long Service and Good Conduct Medal.

#### **Promotions**

23. During the year promotions up to the rank of Divisional Officer (Grade I) were made as follows:

8 Divisional Officers (2 Grade I, 2 Grade II and 4 Grade III, including 2 temporary promotions)

4 Assistant Divisional Officers

17 Station Officers (including 2 temporary promotions)

50 Sub-Officers (including 15 temporary promotions)

57 Leading Firemen (including 16 temporary promotions).

#### **Uniformed Personnel: Operational**

24. The total whole-time male establishment of brigades in Scotland as at 31st December 1971, including junior firemen, was 3,114 an increase of 35 on the figure for 1970 (See Table 1).

25. The actual strength of whole-time male members at the end of 1971 was 2,848, a deficiency of 266 on the authorised establishment. One brigade was at full strength, two were slightly below strength and the remaining eight brigades had a number of vacancies in their authorised establishments. There were 2 junior firemen in post at the end of 1971 against an establishment of 36.

26. The figure for recruitment into the service was 326 compared with 245 during 1970. The number of men lost to the service in Scotland over the year was 218 of whom 74 had less than ten years service. In 1970 the corresponding losses were 161 and 73 respectively. (See Table 2).

27. Returns from the women's section of the service show that 45 women were recruited while 38 left the service. At the end of 1971 the actual strength was one over the authorised establishment.

28. A small increase took place in the part-time retained branch of the service. The authorised establishment figure was 2,534 while the actual strength was 2,120, a deficiency of 414.

29. The strength of the volunteer service was 791, a decrease of 5 compared with the 1970 figure.

**Uniformed Personnel: Control-room and Watchroom** *Control room operation*

30. A total of 204 personnel were employed whole-time on control-room and watchroom duties: an increase of 19 compared with the figure for 1970.

**Non-Uniformed Staff**

31. The numbers of non-uniformed staff employed by fire authorities were 127 men and 184 women.

**Premises**

32. Since fire authorities became responsible for the control of fire brigades in 1948, 39 whole-time and 110 retained fire stations had been built by the end of 1971; at the same date 4 whole-time and 2 retained stations were under construction and major adaptations to 13 existing whole-time and 18 retained stations had been completed. The adaptation of purchased properties has provided 2 whole-time and 13 retained fire stations. In addition, drill towers have been built at 33 whole-time and 46 retained stations and others were under construction at 2 whole-time and 2 retained stations. There are now a total of 63 whole-time stations and 179 retained stations. One new volunteer station has also been provided.

33. The number of houses provided by fire authorities for brigade personnel in Scotland stands at 704, of which some 485 have been provided since 1948. 10 houses were completed but at the end of the year there were no houses under construction.

**Discipline**

34. The number of charges brought under the Fire Services (Discipline) (Scotland) Regulations 1953 was slightly higher than in 1970. A total of 49 charges were instituted, which resulted in 6 punishments of being required to resign in lieu of dismissal, 25 stoppages of pay, 3 reprimands and 1 caution: the remaining 14 were dismissed.

**Health**

35. There were fewer absences from duty due to sickness and injury in brigades than in 1970. The total number of days lost by whole-time men was 4.7 per cent, a drop of 0.4 per cent. In the women's branch of the Service the figure was 5.9 per cent.

36. It is regretted that one station officer of the Glasgow Fire Brigade died during firefighting operations and one retained fireman in the South Western Brigade died after collapsing at a fire service drill.

## CHAPTER III

### *Training*

#### **Scottish Training School**

37. The Scottish Fire Service Training School has continued to provide a wide variety of courses and instruction. Courses are arranged to suit the needs of brigades, and during the year 12 courses were held. There were 4 courses for recruits with a total of 329 students attending and 2 courses for whole-time junior ranks involving 31 students. The number of courses provided specifically for retained personnel was 3 and 51 retained men attended courses at the School.

38. Five courses on fire prevention were attended by 70 students.

39. Two courses for sub-officers, leading firemen, and firemen were held by special arrangement at the Napier Technical College, Edinburgh and were attended by 25 students. With the increasing availability of a variety of courses at the Training School and at the Fire Services Technical College, the courses at Napier have been discontinued. We would record the appreciation of all the Scottish brigades for the considerable assistance given by the College principal and staff to students over the past years.

40. The Secretary of State's announcement that the Scottish Fire Service Training School would be retained for the foreseeable future was received with satisfaction by the Advisory Council and all members of the Scottish Fire Service. This decision followed the minority recommendation in the report of the Holroyd Committee on the Fire Service.

#### **Fire Service Colleges**

41. More advanced courses for senior and specialist personnel are provided, on a Great Britain basis, at the Fire Service Staff College, Dorking and at the Fire Service Technical College, Moreton-in-Marsh. 146 students from Scottish brigades attended courses at these Colleges in the period under review.

#### **Fire Services (Scotland) Central Examinations Board**

42. The statutory educational and technical written examinations arranged by the Fire Services (Scotland) Central Examinations Board took place in February at centres in Glasgow, Edinburgh and Dundee. These were the first examinations to be based on the syllabuses announced by the Board in 1969 and the results were as follows (1970 figures in brackets):

	<i>Presentations</i>	<i>Passes</i>
Station Officer Examination	144 (165)	57 (48)
Sub-Officer Examination	150 (146)	75 (46)
Leading Fireman Examination:		
Educational Subjects	200 (154)	70 (80)
Technical Subjects	138 (155)	61 (83)

43. The presentation of prizes took place in June at the Town House, Aberdeen and hospitality was extended by the North-Eastern Fire Area Joint Board. Prizes were awarded to the following:

Station Officer examination—Leading Fireman J. Farrell, Glasgow Fire Brigade

Sub-Officer examination—Equal { Leading Fireman M. Kilday, Glasgow Fire Brigade  
Fireman N. Ronnie, Lanarkshire Area Fire Brigade

Leading Fireman examination—Fireman G. Hurrell, Lanarkshire Area Fire Brigade.

44. The statutory practical examinations for Sub-Officer were conducted as usual by the Board and those for leading fireman by the fire authorities under the Board's direction. The results were as follows (1970 figures in brackets):

	<i>Presentations</i>	<i>Passes</i>
Sub-Officer	78 (58)	64 (49)
Leading Fireman	57 (72)	42 (60)

#### **Programmed Learning**

45. The programmes prepared by the Programmed Learning Unit continue to be of assistance to brigades in training and education and have been of particular benefit to men studying for promotion.

*Revised. Home office unit for Educational Methods*

*F.S. Currie  
35172  
dated 17/10/72  
refers*

## CHAPTER IV

### *General*

#### **Scottish Central Fire Brigades Advisory Council**

46. The Advisory Council considered reports from the various Joint Standing Committees on Pensions, Training, Uniform and Personal Equipment, Design and Development of Appliances, Communications, and Fire Prevention. In addition, the Advisory Council received and approved the report of its working party on the use of operational firemen on fire prevention duties. The main points in the report were: (a) the vast majority of operational firemen can play a role in fire prevention work; (b) all firemen should get fire prevention training and this would help them to be better firemen; (c) training can be arranged, some at the Scottish Fire Service Training School and a great deal at brigade level; and (d) consideration should be given to the value of decentralising administrative arrangements down to station level to the greatest possible extent. In commending the report to fire authorities, the Secretary of State concurred with the view of the Advisory Council that adoption could have desirable and far-reaching effects on the organisation of fire prevention in Scotland.

#### **Report of the Cunningham Inquiry into the work of the Fire Service**

47. The Report of the Cunningham Inquiry into the work of the Fire Service was published in November 1971. The report was an inquiry into the work of whole-time members of the Fire Service, including control room staff. The Committee were asked to advise on evaluation of the work, taking account of relevant factors such as qualifications required, conditions of service, recruitment and wastage.

48. The Report made a number of recommendations on the operational organisation and efficiency of the Fire Service. The more important of these was the commendation that the rank of leading firemen should be abolished; that the duties of leading fireman should be carried out by selected qualified firemen; and that additional posts of sub-officer should be created.

49. After considering the advice given by the Central Fire Brigades Advisory Councils the Secretaries of State decided that the abolition of the rank of leading fireman was not operationally acceptable. Provision for the retention of the rank was therefore made in the revised pay structures, which the Cunningham Report recommended as the basis for negotiations in the National Joint Council. The revised pay scales for all ranks have been agreed and are now in operation.

50. Other recommendations made in the report which are receiving active consideration include variable manning, better use of firemen by employment on fire prevention duties, job evaluation for officer ranks, standardisation of conditions of service and housing rules.



## Legislation

51. Of special importance to the Fire Service was the Fire Precautions Act which received Royal Assent on 27th May 1971. The Act is designed to strengthen and rationalise the law relating to fire precautions and means of escape from fire in places of entertainment and public resort, and in certain types of residential premises. In place of a variety of statutory controls applying to those premises and administered and enforced in different ways by different authorities, the Act introduced a uniform and effective means of control, based largely on a fire certificate procedure, similar to that of the Offices, Shops and Railway Premises Act 1963. Responsibility for enforcement will rest with the fire authorities.

52. The Act is to be applied by designating orders to premises used as places of entertainment and public resort such as cinemas, theatres, dance halls and bingo halls; to certain types of residential establishments such as hotels and boarding houses, hospitals and homes offering residential care; and to certain dwellings such as high blocks of flats. The Act does not apply to ordinary dwelling houses, to houses in multiple occupation as defined in the Housing Acts nor to premises covered by the Factories Act 1961 and the Offices, Shops and Railway Premises Act 1963.

53. Once an order has been made designating a particular class of use, premises covered by the order will require to have a fire certificate issued by the fire authority. The fire certificate will cover not only means of escape from fire but also measures for ensuring that those means can be safely and effectively used at all material times and may also cover matters such as the fire fighting equipment and fire alarms; the training of staff; and restriction on the number of persons permitted in the premises.

54. The Scottish Central Fire Brigades Advisory Council were consulted about implementation of the Act and in particular about the classes of premises in respect of which designating orders will be made. Consultation with the Advisory Council will also take place concerning the voluntary codes of practice which will normally be published with each designating order. These codes will be drawn up in consultation with all those principally concerned, including representative organisations likely to be affected.

55. By the end of the year, an advanced stage had been reached with the arrangements for the application of the provisions of the Act to hotels and boarding houses.

56. In addition the following orders and regulations affecting the Fire Service were made during the year:

- (i) The Firemen's Pension Scheme Order 1971 (S.I. 1971 No. 145) consolidated, repealed and replaced the Firemen's Pension Scheme Order 1966, as amended, which however, continues to have effect in relation to awards, or claims to awards, applicable to retirement or death before 15th February 1971. The main changes in the Order make fresh provision for a fireman's widow who is entitled to an augmented award where the husband's death is the result of an injury received while saving life and also take account of the introduction of decimal currency.



(ii) The Increase of Pensions (Fire Services) (Amendment) Regulations 1971 (S.I. 1971 No. 146) enable increases under the Pensions (Increase) Acts to continue to apply to certain flat-rate awards already in payment.

(iii) The Firemen's Pension Scheme (Amendment) Order 1971 (S.I. 1971 No. 1329) amends earlier Orders to take account of the Pensions (Increase) Act 1971 and increases certain flat rate awards.

(iv) The Increase of Pensions (Police and Fire Services) Regulations 1971 (S.I. 1971 No. 1330) modifies the application of the Pensions (Increase) Act 1971 to certain fire service pensions.

(v) The Firemen's Pension Scheme (Amendment) (No. 2) Order 1971 (S.I. 1971 No. 1468) makes amendments consequential on the National Insurance Act 1971.

#### **Benevolent Fund**

57. During the year contributions to the Scottish Group of the Fire Services National Benevolent Fund fell slightly to £12,400. Great credit is due to all who have worked so enthusiastically to achieve these results.

58. The Group continues to carry on its excellent work, particularly with regard to the Widows' and Orphans' Scheme, as is testified by the regular flow of letters of appreciation from beneficiaries under the Scheme.

#### **The Fire Services' Sports and Athletics Association**

59. During 1971 the Fire Services' Sports and Athletics Association organised football and cricket matches both inter-brigade and inter-country. Rugby union football, swimming, golf, table tennis, volley ball and athletic events have recently been introduced and the Association is now well established. The activities of the Association are well supported by members of the Service and its formation has proved it to be a worthwhile venture.

# ESTABLISHMENT AND STRENGTH OF FIRE BRIGADES

31st December, 1971

TABLE I

	BRIGADE																		TOTALS				
	ANOUS		CENTRAL		FIRE		GLASGOW		LANARKSHIRE		NORTH-EASTERN		NORTHERN		PERTH AND KINROSS		SOUTH-EASTERN		SOUTH-WESTERN		WESTERN		
	Establishment	Actual Strength	Establishment	Actual Strength	Establishment	Actual Strength	Establishment	Actual Strength	Establishment	Actual Strength	Establishment	Actual Strength	Establishment	Actual Strength	Establishment	Actual Strength	Establishment	Actual Strength	Establishment	Actual Strength	Establishment	Actual Strength	
Whole-time—Elsewhere than at Fire Stations	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEN	1	16	1	16	1	16	1	16	1	16	1	16	1	16	1	16	1	16	1	16	1	16	1
Firemasters ... ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Assistant Firemasters ... ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Divisional Officers (Grade I) ... ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Divisional Officers (Grade II) ... ..	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2
Divisional Officers (Grade III) ... ..	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2	4	2
Assistant Divisional Officers ... ..	7	27	6	26	5	25	4	24	3	23	2	22	1	21	1	20	1	19	1	18	1	17	1
Station Officers ... ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sub-Officers ... ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Leading Firemen ... ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Firemen ... ..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Junior Firemen ... ..	10	26	10	26	2	18	2	18	3	21	3	21	3	21	3	21	3	21	3	21	3	21	3
Total ... ..	33	23	27	26	18	19	42	45	26	24	27	24	14	14	24	22	31	28	27	19	18	311	273
WOMEN	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Group Officers ... ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Assistant Group Officers ... ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Senior Leading Firewomen ... ..	2	1	—	—	1	4	2	4	1	2	4	4	1	1	1	1	1	1	1	1	3	8	7
Leading Firewomen ... ..	7	7	—	—	3	8	2	10	2	10	5	7	6	6	5	5	4	4	4	4	7	68	72
Firewomen ... ..	9	9	—	—	11	11	16	17	13	13	10	12	7	7	6	4	9	8	8	8	10	99	99
Total ... ..	9	9	—	—	11	11	16	17	13	13	10	12	7	7	6	4	9	8	8	8	10	99	99

*Comptroller General*  
14/12/71

Whole-time—at Fire Stations

Men	10	15	15	15	131	171	172	224	208	195	183	920	763	249	140	138	37	37	52	53	382	362	180	175	250	235	2803	2575	
Divisional Officers (Grade III)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Assistant Divisional Officers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Station Officers	8	5	21	21	24	156	171	224	208	195	183	920	763	249	140	138	37	37	52	53	382	362	180	175	250	235	2803	2575	
Sub-Officers	15	15	21	27	28	31	28	103	65	18	22	11	11	6	6	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Leading Firemen	15	13	24	24	24	31	28	103	65	18	22	11	11	6	6	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Firemen	131	136	171	156	127	119	725 <sup>f</sup>	609	183	181	112	110	27	27	42	43	291	270	43	43	291	270	135	129	193	176	2137	1956	
<b>Total</b>	171	172	224	208	195	183	920	763	249	140	138	37	37	52	53	382	362	180	175	250	235	2803	2575	—	—	—	—	—	
<b>WOMEN</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Leading Firewomen	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Firewomen	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>Total</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>Total—Whole-time men (including Junior Firemen)</b>	204	195	251	234	213	202	962	808	278	273	167	162	51	51	76	75	435	393	208	202	269	253	3114	2848	—	—	—	—	
<b>Total—Whole-time Women</b>	9	9	—	1	11	14	49	51	13	13	10	12	7	7	6	4	9	8	9	9	9	16	15	139	140	—	—	—	
<b>Total—Whole-time</b>	213	204	251	235	224	213	1011	859	291	286	177	174	58	58	82	79	444	401	217	211	285	268	3253	2988	—	—	—	—	
<b>Part-time</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>RETAINED</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Station Officers	3	3	4	1	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Sub-Officers	8	7	18	14	11	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Leading Firemen	13	13	25	18	19	18 <sup>d</sup>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Firemen	96	80	186	102	128	102	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>Total</b>	120	103	233	135	160	132	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>VOLUNTEER MEMBERS</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Assistant Divisional Officers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Station Officers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Sub-Officers	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Leading Firemen	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Firemen	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>Total</b>	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>Total—Part-time</b>	120	103	233	135	160	132	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
<b>Grand Totals</b>	324	298	484	369	373	334	962	808	397	376	652	589	286	789	252	293	726	648	652	607	540	648	5648	5759	—	—	—	—	
Men (including Junior Firemen)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Women	9	9	—	1	11	11	49	51	13	13	10	12	7	7	6	4	9	8	9	9	9	16	15	139	140	—	—	—	
<b>Totals</b>	333	307	484	370	384	345	1011	859	410	389	662	601	293	796	258	297	735	656	661	616	556	663	5787	5999	—	—	—	—	

a. Blocking 1 post for fireman at Falkirk Station  
 b. Acting  
 c. Temporary  
 d. 2 Temporary  
 e. 1 Deputy  
 f. Establishment temporarily reduced from 789-690 firemen subject to review (ref. A/OES/31/GLW of 23.8.66)  
 g. Includes 69 men on restricted availability + 12 men whole-time/part-time retained.

CHANGES IN WHOLE-TIME STRENGTH DURING YEAR  
ENDED 31st DECEMBER, 1971

TABLE 2

BRIGADE	LOSSES												GAINS													
	BY DEATH		BY RESIGNATION				BY Discharge		BY Retirement on Pension		BY Retirement on Gratuity		BY Transfer to Other Brigades				By Recruitment		By Transfer from Other Brigades				Totals			
	Attributable to Service	Not Attributable to Service	During First Year to Period		After 1st Year but under 10 Years' Service		With 10 or more Years' Service		Men	Women	Men	Women	In Scotland		Elsewhere		Men	Women	Men	Women	Men	Women	Men	Women		
			Men	Women	Men	Women	Men	Women					Men	Women	Men	Women									Men	Women
Angus ...	—	—	—	—	1	—	—	—	12	—	—	—	—	—	—	—	—	15	—	—	—	—	—	15	—	
Central ...	—	—	1	1	4	—	—	3	1	7	—	—	—	2	—	—	—	29	1	1	—	—	—	30	1	
Fife ...	—	—	—	1	3	—	—	—	1	—	—	—	—	5	—	—	—	14	2	—	—	—	—	15	2	
Glasgow ...	1	—	7	7	18	5	4	9	3	24	—	—	2	5	—	—	—	141	20	3	—	—	—	144	20	
Lanarkshire ...	—	—	5	—	2	2	—	1	—	3	—	—	—	1	—	—	—	22	3	1	—	—	—	23	3	
North-Eastern ...	—	—	—	—	2	4	—	2	1	13	—	—	1	—	—	—	—	21	7	1	—	—	—	22	7	
Northern ...	—	—	—	—	1	—	—	—	—	2	—	—	—	—	—	—	—	3	2	—	—	—	—	—	3	2
Perth and Kinross ...	—	—	1	2	—	3	—	—	—	1	—	—	—	—	—	—	—	4	3	—	—	—	—	—	4	3
South-Eastern ...	—	—	1	1	8	—	2	4	—	14	—	—	—	1	—	—	—	18	1	—	—	—	—	—	19	1
South Western ...	—	—	5	2	3	1	1	—	—	5	—	—	4	—	—	—	—	21	3	—	—	—	—	—	24	3
Western ...	—	1	2	2	10	2	1	7	—	3	—	—	1	—	—	—	—	38	3	3	—	—	—	—	41	3
Totals ...	1	2	22	16	52	17	10	26	5	85	—	—	9	18	—	—	—	326	45	9	—	—	—	—	340	45

**SUMMARY OF FIRES AND SPECIAL SERVICES WHICH HAVE OCCURRED DURING THE YEAR  
ENDED 31st DECEMBER, 1971**

**TABLE 3**

FIRE AREA	Fires requiring the attendance of										Total Fires	Chimney Fires	False Alarms			Total Fire Calls	Special Services	Total Calls 1971
	1 Pump	2 Pumps	3-4 Pumps	5 Pumps	6-8 Pumps	9-10 Pumps	11-20 Pumps	Malicious	With good intent	Total								
Angus ...	1,702	29	9	—	1	—	—	—	227	349	299	227	349	576	565	2,616	3,181	
Central ...	2,177	57	5	—	—	—	—	—	465	352	2,239	465	500	965	213	3,556	3,769	
Fife ...	1,097	43	7	3	1	—	—	—	266	425	1,151	266	282	548	262	2,124	2,386	
Glasgow ...	7,507	—	24	2	8	3	3	—	1,031	506	7,547	1,031	2,663	3,694	1,198	11,747	12,945	
Lanarkshire ...	2,892	83	11	1	—	—	—	—	601	323	2,987	601	778	1,379	354	4,689	5,043	
North-Eastern ...	1,483	32	8	1	—	—	—	—	170	786	1,524	170	282	452	149	2,762	2,911	
Northern ...	616	17	2	—	—	—	—	—	79	344	635	79	89	168	136	1,147	1,283	
Perth and Kinross	394	9	1	—	—	—	—	—	47	255	404	47	118	165	130	824	954	
South-Eastern ...	3,367	391	57	3	4	—	—	—	515	961	3,822	515	947	1,462	627	6,245	6,872	
South Western ...	1,540	25	6	—	—	—	—	—	239	634	1,571	239	248	487	165	2,692	2,857	
Western... ..	2,242	21	2	2	—	—	—	—	368	385	2,267	368	799	1,167	184	3,819	4,003	
Totals ...	25,017	707	132	12	14	3	3	—	4,008	5,270	25,888	4,008	7,055	11,063	3,983	42,221	46,204	

**FIRE PREVENTION INSPECTION WORK UNDERTAKEN BY FIRE BRIGADES  
DURING THE YEAR ENDED 31st DECEMBER, 1971**

**TABLE 4**

	FIRE AREA											Totals
	Angus	Central	Fire	Glasgow	Lanarkshire	North-Eastern	Northern	Perth & Kinross	South-Eastern	South-Western	Western	
Number of Premises (excluding those inspected under Factories Act and Offices, Shops and Railway Premises Act) subjected to:	Full Survey ...	30	—	186	705	5	49	107	6	17	28	1,151
	Specific Inspection ...	355	67	514	783	811	1,018	467	738	410	858	6,303
	Routine Inspection ...	3	—	—	—	2	—	50	—	—	—	55
	Follow-up Inspection ...	48	24	102	75	—	—	174	—	—	1	424
(a) Industrial or Business Premises or Undertakings	Means of Escape:	20	28	89	23	70	21	32	76	31	41	452
	Number of new Certificates Issued	63	46	17	10	67	20	4	43	46	30	346
	Number of Certificates Revised ...	116	74	116	17	180	33	17	51	64	7	675
	Number of certificates subjected to Review ...	186	140	21	102	247	65	45	330	62	87	1,558
Factories Act	General Fire Prevention:	91	18	9	54*	134	49	48	94	14	—	512
	Number of Factories Inspected ...	29	64	57	284	52	12	45	408	109	65	1,262
Offices, Shops and Railway Premises Act	Number of Certificates Issued ...	86	4	6	32	2	5	6	7	1	1	206
	Number of Local Authority Premises or Undertakings (other than (c) and (d)) subjected to:	70	33	35	868	48	41	23	23	46	59	1,330
Number of Schools subjected to:	Routine Inspection ...	—	5	—	3,292	1	—	—	—	—	—	3,293
	Follow-up Inspection ...	6	—	—	695	8	—	—	—	1	—	715
Number of Hospitals and Homes subjected to:	Full Survey ...	25	11	128	54	70	25	9	1	3	2	328
	Specific Inspection ...	30	108	121	108	326	92	98	89	64	96	1,176
	Routine Inspection ...	7	46	117	34	34	47	71	—	—	—	1,244
	Follow-up Inspection ...	1	20	6	25	35	—	—	—	4	—	168
Number of Hospitals and Homes subjected to:	Full Survey ...	45	5	22	22	6	18	3	57	1	4	183
	Specific Inspection ...	26	32	11	51	150	76	98	98	40	144	780
	Routine Inspection ...	—	18	49	11	115	10	10	10	—	—	192
	Follow-up Inspection ...	1	15	—	11	20	24	24	—	12	—	85

(e)  
Number of Cinemas, Theatres and Other Places of Public Entertainment or Assembly, subjected to:

Full Survey ...	39	240	16	45	18	23	16	6	484
Specific Inspection ...	86	69	380	125	68	184	109	48	1,326
Routine Inspection ...	220	818	30	—	14	65	4	—	1,509
Follow-up Inspection ...	38	26	2	—	16	—	1	—	113
<b>Total</b>	<b>391</b>	<b>1,123</b>	<b>408</b>	<b>170</b>	<b>106</b>	<b>333</b>	<b>114</b>	<b>52</b>	<b>3,432</b>
Full Survey ...	6	326	52	3	75	17	5	11	569
Specific Inspection ...	314	16	611	175	635	202	94	114	3,073
Routine Inspection ...	29	—	4	—	43	—	—	—	76
Follow-up Inspection ...	25	46	—	—	131	—	2	—	300
<b>Total</b>	<b>375</b>	<b>388</b>	<b>667</b>	<b>178</b>	<b>853</b>	<b>219</b>	<b>99</b>	<b>115</b>	<b>3,928</b>
Full Survey ...	15	1,403	151	145	218	111	43	52	2,921
Specific Inspection ...	634	1,114	2,326	1,527	1,389	1,324	763	1,319	13,988
Routine Inspection ...	415	818	186	—	64	65	4	—	5,369
Follow-up Inspection ...	69	210	4	—	416	—	20	1	1,805
<b>Total</b>	<b>633</b>	<b>3,555</b>	<b>341</b>	<b>1,672</b>	<b>2,087</b>	<b>1,701</b>	<b>107</b>	<b>55</b>	<b>24,183</b>

(f)  
Number of Miscellaneous Premises or Undertakings (not included elsewhere in the Table) subjected to:

(g)  
Gross Totals

Note:—For the purpose of this table the terms "Full Survey", "Specific Inspection", "Routine Inspection" and "Follow-up Inspection" are used as follows:—

Full Survey. A thorough and comprehensive examination of the premises and processes at risk, as regards fire prevention arrangements which are in operation or require to be made, covering for instance fire appliances and equipment, water supplies, means of escape, storage conditions and good housekeeping.

\*In addition 390 minor inspections.

Specific Inspection. An examination of the premises and plant for the purposes indicated above but limited to one or more particular aspects of fire prevention.

Routine Inspection. An examination made as a rule periodically for the purpose of ascertaining whatever particular precautions which should be in operation are, in fact, being maintained.

Follow-up Inspection. An inspection made following a survey or specific inspection to note progress or advise on detail.

**FIRE SERVICES**  
**Statement of Expenditure and Income for the Local Financial Year Ended May, 1971**  
**REVENUE EXPENDITURE**

TABLE 5

Fire Brigade Authority	Staff Item 060 -Item 051	Fire Service Pensions and Gratuities Item 051	Property Running Item 120	Clothing and Personal Equip- ment Item 142	Water Supplies Item 147	Communi- cations Item 144 and 156	Transport Running Costs Item 216	Admini- strative and other Expenses Item 148, 162, 240 and 335	Revenue Contri- butions to Capital Item 360	Loan Charges on Capital Item 380	Total Gross Expendi- ture Item 440	Income Item 470	Net Expendi- ture Item 482
	£	£	£	£	£	£	£	£	£	£	£	£	£
Angus	352,068	45,097	36,324	6,651	1,183	8,880	9,614	24,259	15,360	61,711	561,147	39,056	522,091
Central	413,494	29,030	41,159	8,544	1,044	3,403	15,962	30,401	56,471	—	599,508	23,368	576,140
Fife	384,268	33,725	26,470	6,321	527	11,815	8,733	19,116	62,895	—	553,870	38,132	515,738
Glasgow	1,433,977	174,399	130,560	39,999	1,255	12,569	36,367	66,168	56,632	96,898	2,048,824	129,955	1,918,869
Lanarkshire	486,391	50,396	48,651	12,250	305	1,082	19,567	34,330	68,899	—	721,871	33,027	688,844
North-Eastern	355,836	35,520	46,243	5,050	4,820	8,500	12,650	21,051	43,750	62,520	595,940	21,370	574,570
Northern	152,199	6,338	11,722	3,459	1,314	2,345	7,036	11,708	1,764	37,609	235,494	8,158	227,336
Perth and Kinross	168,694	5,928	12,053	2,771	—	2,582	9,485	5,820	25,794	28,006	261,133	7,741	253,392
South-Eastern	753,462	47,181	52,002	11,581	4,556	6,507	23,132	32,937	108,091	—	1,039,449	49,152	990,297
South Western	414,817	33,514	37,810	9,071	1,322	10,456	19,504	19,766	453	88,432	635,145	22,830	612,315
Western	456,710	38,887	51,655	9,150	4,075	2,409	16,550	27,106	24,114	97,500	728,156	32,795	695,361
Totals	5,371,916	500,015	494,649	114,847	20,401	70,548	178,600	292,662	464,223	472,676	7,980,537	405,584	7,574,953

These figures have been supplied by fire authorities to the Department and are subject to audit by the Auditor.



**CAPITAL EXPENDITURE**

Fire Brigade Authority	Stations	Houses	Transport	Communications	Water Supply	Others	Total
	£	£	£	£	£	£	£
Angus	128,736	—	15,360	—	243	—	144,339
Central	14,348	610	19,639	—	21,874	—	56,471
Fife	44,494	2,174	8,856	—	7,371	—	62,895
Glasgow	62,496	—	47,762	—	8,870	—	119,128
Lanarkshire	27,046	—	29,803	—	12,050	—	68,899
North-Eastern	16,600	29,330	30,750	—	13,000	—	89,680
Northern	39,521	—	20,543	730	14,333	2,450	77,577
Perth and Kinross	107,608	—	22,350	—	3,444	—	133,402
South-Eastern	72,359	—	23,257	219	12,256	—	108,091
South Western	29,525	—	44,254	4,880	8,401	—	87,060
Western	39,800	—	11,291	—	12,025	—	63,116
<b>Totals</b>	<b>582,533</b>	<b>32,114</b>	<b>273,865</b>	<b>5,829</b>	<b>113,867</b>	<b>2,450</b>	<b>1,010,658</b>

The figures of Capital Expenditure include Revenue Contributions to capital shown in the table of Revenue Expenditure.

Table 10. — *Production of various crops in the Punjab, 1920-21 to 1923-24*

Crops	1920-21	1921-22	1922-23	1923-24	1920-21		1921-22		1922-23		1923-24	
					Area	Production	Area	Production	Area	Production	Area	Production
Wheat	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000	
...	...	...	...	...	...	...	...	...	...	...	...	
Total	...	...	...	...	...	...	...	...	...	...	...	

UNITED STATES DEPARTMENT OF JUSTICE

INVESTIGATION OF THE  
ACTS OF VIOLENCE  
COMMITTED BY  
THE BLACK PANTHER PARTY  
AND ITS AFFILIATES  
IN CONNECTION WITH  
THEIR ACTIVITIES  
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