

DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH

AND

FIRE OFFICES' COMMITTEE JOINT FIRE RESEARCH ORGANIZATION

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OF.

PRELIMINARY ANALYSIS FOR FIRE REPORTS FROM FIRE BRIGADES IN THE UNITED KINGDOM 1962

by

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The results of a preliminary analysis of reports show that during 1962 the Fire Brigades attended 151 303 fires in England and Wales, 13 508 in Scotland and 2 374 in Northern Ireland. The number of incidents attended by each Fire Brigade is given in Table I

Three members of the Fire Service in the United Kingdom were killed whilst attending fire incidents; two members of London Fire Brigade were knocked down and killed by an electric train whilst tackling a fire involving the timbers of a railway bridge and one member of the Angus Brigade was killed as a result of a fall from a roof at a fire in a dwelling. In England and Wales 257 members of the Fire Brigades were injured at incidents and the corresponding figures for Scotland and Northern Ireland were 44 and 4 respectively.

The Fire Services assisted in the rescue of 447 persons from dangerous situations in England and Wales, 130 in Scotland and 12 in Northern Ireland. Further details are given in tables 2 and 3.

The analysis has been made on those reports received up to 28th February, 1963 and the figures given are subject to slight revision when the outstanding reports have been received.

It should also be noted that two firemen, one each from the Lancashire and Liverpool Fire Brigades, were fatally injured as a result of the appliance on which they were riding becoming involved in a road accident on the way to the fire ground.

FIRES ATTENDED BY FIRE BRIGADES IN THE UNITED KINGDOM, 1962

Note: The figures in this table are based on reports received up to the 28th February, 1963; they are subject to slight revision as further information is received.

Column 1 shows the number of attendances at fires other than those confined to heathland or grassland.

Column 2 shows the number of attendances at fires confined to heathland or grassland.

Column 3 shows the total number of attendances.

Fire Brigade	1	2	3
England and Wales - County Fire Brigades			
Anglesey	83	23	1.06
Bedfordshire	786	251	1 037
Berks. and Reading	1 081	482	1 563
Brecon Co. and Radnor	145	65	210
Buckinghamshire	881	527	1 408
Caernarvonshire	226	137	363
Cambridgeshire	454	27	481
Cardiganshire and Carmarthenshire	370	188	558
Cheshire	1 800	1 254	3 054
Cornwall	549	325	874
Cumberland	392	167	559
Denbigh and Montgomery	461	164	625
Derbyshire	1 233	649	1 882
Devonshire	947	301	1 248
Dorsetshire(1)	495	638	1 133
Durham Co.	1 855	1 098	2 953 266
Ely, Isle of	254	12)
Essex Flintshire	3 520	2 202	5 722
•	299	231	530
Glamorganshire Gloucestershire	1 406	721	2 127
	897	496	1 393
Hampshire Herefordshire		1 584	3 179
Hertfordshire	310	41.	351 2 627
	1 697	930 66	
Huntingdonshire Kent and Canterbury	24.3		309
Lancashire	3 490 5 105	1 414	4 904 8 013
Leicestershire and Rutland	589	2 908 221	810
Lines. (Holland)	203		222
Lines. (Kesteven)	263	19 82	34.5
Lincs. (Lindsey)	600	24.3	843
London C.C.			
Merioneth	12 442 77	864 23	13 306 100
Middlesex	4 931	1 491	6 422
Monmouthshire	506	278	784
Norfolk	676	168	704 844
Northamptonshire	609	206	815
Northumberland	864	499	1 363
Nottinghamshire	924	1 014	1 938
Oxfordshire	441	114	555
Pembrokeshire	141	74	215
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⁽¹⁾Dorset: number of reports dated up to 26.10.62 other than grassland.

Table 1 (contd.)

FIRES ATTENDED BY FIRE BRIGADES
IN THE UNITED KINGDOM, 1962

Fire Brigade	1	2	3
County Fire Brigades (contd.)			
Peterborough, Soke of Salop Somersetshire Staffordshire Suffolk, East Suffolk, West and Ipswich Surrey Sussex, East Sussex, West Warwickshire Westmorland Wight, Isle of Wiltshire Worcester Co. and Worcs. C.B. Yorks (East Riding) Yorks (North Riding) Yorks (West Riding) Scilly, Isles of	977 2 606 618 793 1 161 113 160 923 1 090 440 881	1 481 302 1 648 423 317 580 36	200 960 1 136 3 156 1 279 4 254 1 041 1 110 1 741 149 249 1 141 1 700 505 1 108 4 589
England and Wales - County Borough Fire Brigades Barnsley Barrow in Furness Bath Birkenhead Birmingham Blackburn Blackpool Bolton Bootle Bournemouth Bradford Brighton Bristol Burnley Burton on Trent Bury Cardiff Carlisle Chester Coventry Croydon Darlington Derby Dewsbury Doncaster Dudley Eastbourne	117 258 184 680 2 903 489 397 242 851 405 1 133 350 120 245 738 223 624 600 277 688 190 208 148 122	96 106 223 811 112 144 136 141 205 1660 86 33 154 174 335 137 109 60 627 20	213 364 208 9714 623 1 050 1 436 153 1 453 1 454 1 507 1 274 1 275 1 275

Table 1 (contd.)

FIRES ATTENDED BY FIRE BRIGADES
IN THE UNITED KINGDOM, 1962.

Fire Brigade	1	2	3
County Borough Fire Brigades (contd.)			
East Ham Exeter Gloucester Great Yarmouth Grimsby Halifax Hastings Huddersfield Kingston upon Hull Leeds Leicester Lincoln Liverpool Manchester Merthyr Tydfil Middlesbrough Newcastle on Tyne and Gateshead Newport (Mon.) Northampton Norwich Nottingham Oldham Oxford Plymouth Portsmouth Preston Rochdale Rotherham St. Helens Salford Sheffield Smethwick and West Bromwich Southampton Southend Southport South Shields Stockport Stoke on Trent Sunderland Swansea Tynemouth Wakefield Wallasey Walsall Warrington West Ham West Hartlepool Wigan Wolverhampton York Total number of fires attended in	220 252 151 274 260 252 254 260 1 225 260 1 225 260 1 225 260 260 274 277 277 277 277 277 277 277 277 277	53 23 42 61 86 42 13 40 13 13 42 13 13 13 13 13 13 13 13 13 13 13 13 13	273 275 276 177 3340 1 524 1 635 1 6
England and Wales	109 346	41 957	151 303

Table 2 NATURE OF INJURIES OF CASUALTIES IN FIRES ATTENDED BY FIRE BRIGADES IN THE UNITED KINGDOM $1962^{(1)}$

	England and Wales			Scotland			Northern Ireland		
Nature of injury	Fire Brigade	Other Casualties	Total	Fire Brigade	Other Casualties	Total	Fire Brigade	Other Casualties	Total
Fatal Casualties									
Burns and scalds Overcome by gas or smoke Other and undefined injuries	- - 2	414 118 31	414 118 33	- 1	46 29 3	46 29 4	- - -	7 2 2	7 2 2
Total	2	563	565	1	78	79	_	11	11
Non-Fatal Casualties									•
Burns and scalds Bruises, cuts, abrasions Dislocations, sprains, fractures Overcome by gas or smoke More than one of above injuries Shock only(2) Other and undefined injuries	54 116 31 18 6 1	2 144 243 36 200 75 349 87	2 198 359 67 218 81 350 118	15 19 3 - - 7	146 15 18 14 18 13 20	161 34 21 14 18 13 27	2 1 - -	25 4 - 1 2 1	27 5 1 2 1
Total	257	3 134	3 391	44	244	288	4	33	37
Total casualties	259	3 697	3 956	45	. 322	367	4.	44 -	48

⁽¹⁾ Provisional figures subject to possible slight revision as further information is received

⁽²⁾ Casualties who suffered shock in addition to other injuries are classified according to the nature of the other injury

Table 3

PERSONS RESCUED OR ESCAPED BY EMERGENCY MEANS FROM FIRES ATTENDED BY FIRE BRIGADES IN THE UNITED KINGDOM, 1962

Note: The figures in this table are based on reports received up to the 28th February, 1963; they are subject to slight revision as further information is received.

	Number of Persons					
Appliances or Methods Used		Scotland	Northern Ireland	United Kingdom		
Rescue with Fire Brigade assistance from		_				
Buildings	_					
Automatic escape lines	2	<u>-</u>	-	2		
Escape (hand operated)	36	1.3		49		
Ladder: extension	67	11	-	78		
first floor	24	1	- 1	25		
hook		_	~	1		
turntable (mechanical)	13	10	-	23		
other or undefined	48	5	2	55		
Ladder and line	6	=		6		
Oxyacetylene cutting gear	-	2	-	2		
Other apparatus h	10		-	10		
Without apparatus	233	74	8	315		
Ships	3	14	-	17		
Road vehicles	4	_	-	4		
Grassland	ļ		2	2		
${\tt Total}$	447	130	12	589		
Rescue without Fire Brigade assistance from	ĺ	[í í			
Buildings	}			<i>.</i> .		
Carried or assisted out	586	91	20 !	697		
Jumping sheet	12	1	<u> </u>	13		
Ladder	153	5	2	160		
Lowered from windows, roof etc.	153	21	6	180		
Other or undefined methods	22	.2	ns	24		
Ships	11		-	11		
Road vehicles	29	5		34		
Caravans	9			9		
Total	975	125	28	1 128		
Escape by emergency means from]				
Aircraft						
Baled out	10	1		11		
Through exits or from debris	12	-	_	12		
Buildings	Λ.		[['		
Climbing over roof	36 '	3		39		
Fixed fire escape	18	_	_	1.8		
Jumping from upstairs window	235	5	3	24.3		
Ladder	41	_	-	41.		
Sliding down drainpipe, sheets etc. Through ground floor windows	20	2	10	22 58		
Other or undefined methods	76	4	10	90 81		
Ships	47 76 8	-	-,	58 81 8		
Road vehicles	32 6	1	1	31 ₁		
Caravans			·			
Total	541	17	15	573		
Total persons rescued or escaped	1 963	272	55	2 290		