

HO 227

Citable Reference	Description	End Date
HO 227	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Reports dealing with the protection of civilians from the effects of a possible nuclear war. Topics studied include casualty assessment, the effects of radio-active fallout, shelter survival requirements, and Fire Service equipment and organisation. The series also includes notes of discussions with allied civil defence authorities. The SA/PR series of reports, dating from 1950, deals with the protection of the civil population against the effects of a possible nuclear war. Topics studied include casualty assessment in a variety of circumstances; the effects of radioactive fallout and possible counter-measures; shelter survival requirements; and Fire Service equipment and organisation. The series also contains notes of discussions with civil defence authorities in the USA, Canada, and the Federal German Republic.	1973
HO 227/1	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). The effect of a limit on the travelling distance allowed between private house and communal buildings on the spectrum of protective factors. Missing at transfer.	1960
HO 227/2	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Refuge space in communal buildings of various classes in a sample of six towns.	1960
HO 227/3	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Passing information direct from Royal Observer Corps group to sub-region: trial 14 February 1960.	1960
HO 227/4	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Advisory Group on Structural Research for Civil Defence: theoretical treatment of blast-induced earth shock.	1960
HO 227/5	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Operation of the scientific team at region.	1960
HO 227/6	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Estimated casualties from an attack with two 3 megaton bombs on each of 71 different bases, with one 3 megaton bomb on each of 16 cities. Missing at transfer.	1960
HO 227/7	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). The adaptation of basement garages under new office buildings for use as shelters.	1960
HO 227/8	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series).	1960

Radiac fallout simulator.

HO 227/9 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1960
Fallout casualty calculations.

HO 227/10 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1960
Structural research for civil defence: notes of a lecture to regional scientific training officers September 1960.

HO 227/11 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1960
Hamburg shelters: some notes on occupancy, prepared May 1960.

HO 227/12 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1960
Report on war games Nos 1 and 2.

HO 227/13 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1951
Protection from air attack available in Westminster Hospital.

HO 227/14 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Proposals for revised public control drills in a fallout area.

HO 227/15 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
The role of civil defence in defence strategy: Commonwealth Advisory Committee on Defence Science.

HO 227/16 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
The accuracy of the present procedure for issuing black warnings.

HO 227/17 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Ventilation and filtration requirements for local authority control centres.

HO 227/18 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Transmission of information round the control (Working Party on Sub-Regional Controls).

HO 227/19 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
The standard of fallout protection to be provided at regional, sub-regional and area controls.

HO 227/20 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Notes on a visit on 20-23 February to civil defence departments and establishments in the Federal German Republic.

HO 227/21 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Provision of scientific staff for regions and sub-regions: Working Party on Sub-Regional Controls.

HO 227/22 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Provisional procedures for the scientific team at sub-region.

HO 227/23 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Attenuation of thermal radiation by the atmosphere.

HO 227/24 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Science in civil defence.

HO 227/25 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
The proposed use of deposition measurements taken at Royal Observer Corps posts.

HO 227/26 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Royal Observer Corps trainer, user trial.

HO 227/27 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Civil defence studies. Missing at transfer.

HO 227/28 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Notes on proposed habitability trials in Tottenham civil defence sub-area control centre.

HO 227/29 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Flight duration for photographic reconnaissance over a fallout area.

HO 227/30 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Conference of regional fire commanders (designate): some technical aspects of decontamination.

HO 227/31 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Inter-departmental Committee on Shelter against Fallout: the effect on casualties of moving people from bungalows and pre-fabs into communal refuge.

HO 227/32 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1960
Note by Scientific Adviser's Branch on washdown installations.

HO 227/33 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
The effect of exposure on the sensitivity of printing-out paper used in the Home Office ground zero indicator.

HO 227/34 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
The safety of underground headquarters. Missing at transfer.

HO 227/35 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
The effect of high explosive bombs on the estimation of ignition ranges for megaton explosions. Missing at transfer.

HO 227/36 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
The effect of peripheral dispersion on casualties from heavy nuclear attack.

HO 227/37 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Immediate casualties from 50 and 100 megaton low airbursts on London.

HO 227/38 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Safety drill when taking fallout deposition measurements.

HO 227/39 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Deposition measurements: safety.

HO 227/40 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1962
Basic assumptions for use in the assessment of the radiological hazard to food from fallout.

HO 227/41 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1962
Requirements for space, ventilation, heating and lighting in a communal refuge.

HO 227/42 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1962
Preliminary estimates of sand and earth needed for the improvement of private houses, refuge and communal shelters. Missing at transfer.

HO 227/43 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1962
Accession lists.

HO 227/44 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1962
Report on SAR-REZ liquid plastic.

HO 227/45 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1962
Civil defence considerations in the design of new buildings.

HO 227/46 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1962
Detection of biological warfare agents: note on antibody technique.

HO 227/47 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1962
Space allowance and ventilation in communal refuges.

HO 227/48 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Scientific Intelligence Officer conference September 1961.

HO 227/49 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1962
Television in war.

HO 227/50 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1962
The scientific data and basic information required in preparing for protection by shelter against fallout: summary of presentation to NATO Shelter Working Party.

HO 227/51 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1962
The Soviet strategic air threat to the United Kingdom.

HO 227/52 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1961
Some possibilities of plastic sandbags.

HO 227/53 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1962
Day and night populations of the administrative County of London.

HO 227/54	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Deposition measurements in exercise `Fallex 62'.	1962
HO 227/55	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Items arising from a `brain washing' session on survival.	1962
HO 227/56	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Calculation of the protective factor of simple buildings and shallow basements.	1962
HO 227/57	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Visit to United States of America.	1962
HO 227/58	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Report by panel on requirements for protective helmets.	1955
HO 227/59	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). The ultimate strength of domestic doors.	1962
HO 227/60	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Probability of becoming a casualty due to a 3 megaton groundburst weapon having various CEP's as a function of distance from the target.	1962
HO 227/61	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Annuli for calculation of prompt casualties from groundburst bombs.	1962
HO 227/62	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Some effects of fallout on the operation of mobile fire columns.	1962
HO 227/63	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Neutron-induced activities in soil: an examination of its possible extent from contact burst bombs. Missing at transfer.	1962
HO 227/64	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Some calculations and tables on the neutron-induced activity in fallout due to soil and sea water.	1962
HO 227/65	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Delayed fallout in the casualty area.	1962
HO 227/66	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). The use of the British Broadcasting Corporation for the passage of fallout information.	1962
HO 227/67	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Machine computation for fallout exercises.	1963
HO 227/68	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). The use of helicopters and aircraft in civil defence operations.	1963
HO 227/69	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series).	1963

The optimum siting of mobile fire column bases.

HO 227/70 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1963
The effect of the fallout threat from remote bombs on the deployment of mobile fire columns.

HO 227/71 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1963
Draft submission to Medical Research Council on wartime doses of radiation.

HO 227/72 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1963
Glass breakage by blast.

HO 227/73 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1963
Machine computation for fallout exercises.

HO 227/74 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1963
Fallout and radiological counter-measures Vol 1.

HO 227/75 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1963
Protection of cities against thermal flash: USA feasibility studies.

HO 227/76 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1963
Casualties from 'Fallex 63' attack.

HO 227/77 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1963
The preparation of 7½" x 10" slides.

HO 227/78 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1964
The implication of clean bombs for civil defence.

HO 227/79 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1964
Nuclear burst detection system: specification of bearing accuracy.

HO 227/80 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1964
Note on a visit to the Emergency Measures Organisation, Ottawa.

HO 227/81 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1964
The requirements for scientists in the new civil defence control scheme.

HO 227/82 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1964
Note on the effects of various periods of stay in and out of communal shelter on the amounts of gamma radiation received by the occupants.

HO 227/83 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1964
Working Party on Shelter Survival Requirements.

HO 227/84 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1964
Flash bang time.

HO 227/85 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1964
The use of vehicles with high protective factors for civil defence.

HO 227/86	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Assessment of casualties resulting from a range of attacks in the UK. Missing at transfer.	1965
HO 227/87	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Comparison of fallout prediction method with the Miles probability method. Missing at transfer.	1964
HO 227/88	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Effect of the new Home Defence Review Committee assessment of the weight of attack on the United Kingdom on the probable operations of mobile fire columns.	1965
HO 227/89	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Estimate of probable availability of Fire Service personnel upon rota and disposition of fire fighting resources in survival period.	1965
HO 227/90	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). The number of fires caused by nuclear attack atmospheric attenuation.	1965
HO 227/91	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Notes on the operation of the Bhangmeter.	1961
HO 227/92	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Submission to the Medical Research Council on wartime emergency doses of radiation.	1965
HO 227/93	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Sampling and statistical information for survival.	1966
HO 227/94	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Pilot shelter survey 1964/65.	1965
HO 227/95	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Interim report of the Working Party on Shelter Survival Requirements.	1965
HO 227/96	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). Wartime emergency doses of radiation. Missing at transfer.	1965
HO 227/97	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). The value of area decontamination in reducing casualties from radioactive fallout.	1965
HO 227/98	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). United Kingdom comments on Project `Flambeau': extent of Home Office interest.	1965
HO 227/99	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). The use of the Bhangmeter in wartime nuclear surveillance systems.	1965
HO 227/100	Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). The protection against fallout radiation afforded by core shelters in a typical British home. Missing at transfer.	1965

HO 227/101 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1965
Working Party on Air Reconnaissance: radiological air reconnaissance for civil defence.

HO 227/102 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1966
Some simplified theories about mass fires.

HO 227/103 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1966
Proposed civil defence experiments in 'Flambeau'.

HO 227/104 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). An 1966
estimate of the effectiveness of the rescue section of the Civil Defence Corps.

HO 227/105 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1966
Summary and critical review of the basis of the new Medical Research Council concept on recovery from the effects of gamma radiation.

HO 227/106 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1966
Distribution of basement fallout shelters by size.

HO 227/107 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1966
The calculation of fallout risks for a set of localities.

HO 227/108 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1966
The biological effects of nuclear radiation.

HO 227/109 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1966
Notes on technical report by Smith and Jeffreys: The Selection and Recruitment of Shelter Managers.

HO 227/110 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1966
Experimental basis for conclusions in the selection and recruitment of shelter managers.

HO 227/111 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1966
Expected proportion of population of Great Britain outside 3 p s i blast zone having a dose rate 7 greater than 310 per hour for 2 moderately heavy attacks.

HO 227/112 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1966
Comments on Management Research Group report: A Review of Biological Warfare.

HO 227/113 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). A 1967
preliminary analysis of some 'Flambeau' data.

HO 227/114 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1967
Extracts from a draft report entitled Operation Antler, the Attenuation of Residual Radiation by Structures.

HO 227/115 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1967

Casualty assessment by computer: summary of progress and plans for future procedure.

HO 227/116 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1967
 Final report of the Working Party on Shelter Survival Requirements.

HO 227/117 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1967
 The selection and siting of communal shelters.

HO 227/118 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1967
 Report of the Working Party on Scientific Advice and Assistance for Life-saving Purposes.

HO 227/119 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1967
 Full explanation of form SAB/PF1.

HO 227/120 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1967
 Abbreviated explanation of form SAB/PF1.

HO 227/121 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1967
 The beta radiation hazards in fallout.

HO 227/122 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1967
 The ideal fire fighting unit. Missing at transfer.

HO 227/123 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1967
 Fire brigade costs and organisation arrangements.

HO 227/124 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1967
 Fire damage and financial loss in buildings and preliminary study of large fires. Missing at transfer.

HO 227/125 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1967
 Notes on the changed role and organisation of the Civil Defence Corps.

HO 227/126 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1967
 Summary of work on Fire Service equipment June-September 1967.

HO 227/127 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1967
 Transcript of tape, 'Flambeau' burn.

HO 227/128 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1968
 Mass fires: the state of the art.

HO 227/129 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1968
 The likelihood of fire spread to houses through the roof.

HO 227/130 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1968
 Water calorimeters and burning rates in 'Flambeau 1967'.

HO 227/131 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1968

The effect of building age on the frequency of fires in dwellings.

HO 227/132 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1968
Wartime doses of radiation: revised submission to the Medical Research Council.

HO 227/133 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1968
Infra-red flame photography in 'Flambeau' burn.

HO 227/134 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). A 1967
comparison of the costs of running jobs on the 1905 and Atlas computers.

HO 227/135 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1968
The requirement for calculators in Scientific Adviser's Branch.

HO 227/136 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1968
Notes on pneumatic sirens for national warnings, for consultation with the
Aerodynamics Division of the National Physical Laboratory.

HO 227/137 Home Office: Scientific Adviser's Branch and successors: Reports (SA/PR Series). 1973
War games systems analysis and related subjects.