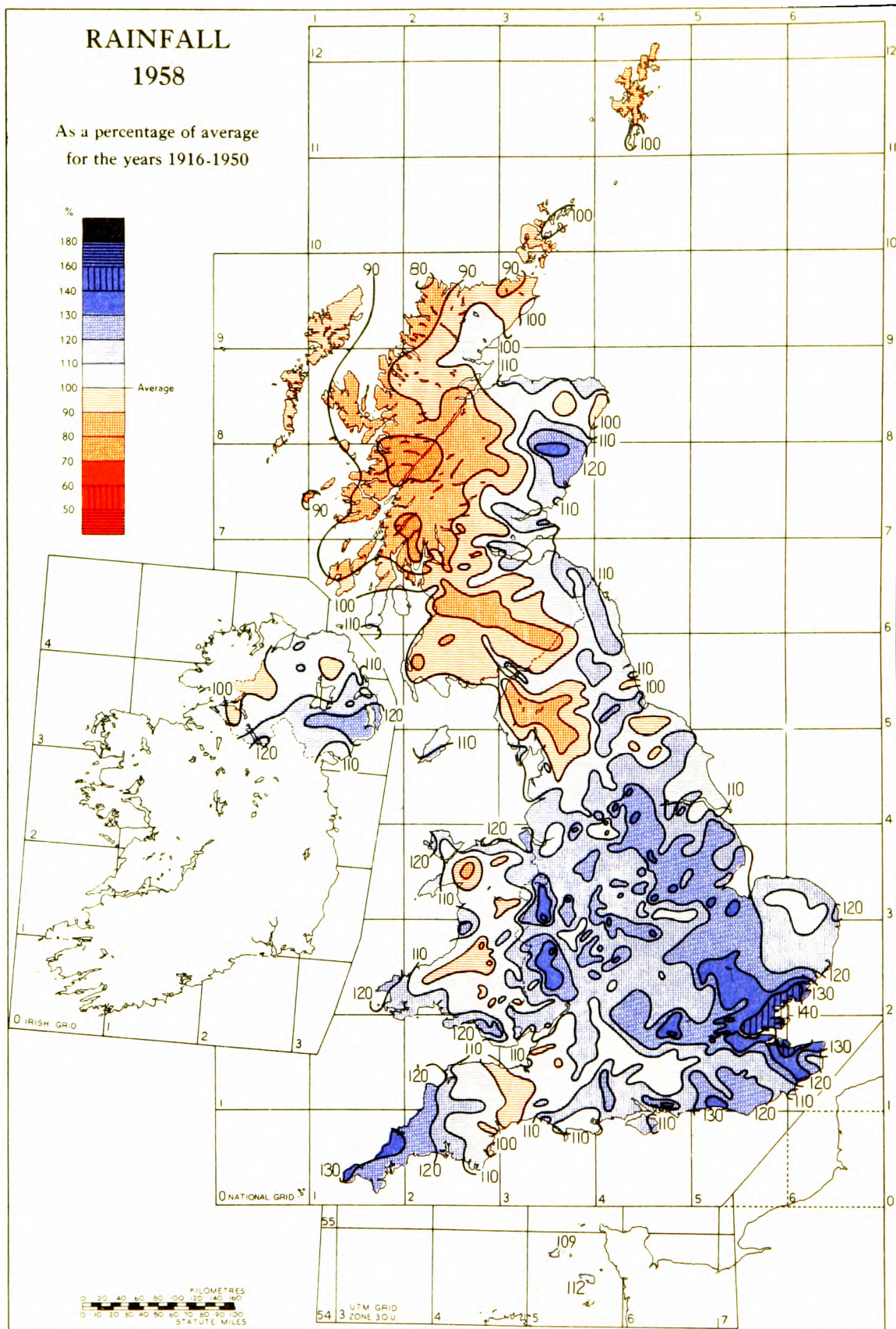


RAINFALL

1958

As a percentage of average
for the years 1916-1950



M.O. 721

AIR MINISTRY

METEOROLOGICAL OFFICE

BRITISH RAINFALL

1958

THE NINETY-EIGHTH ANNUAL VOLUME

*Report on the
Distribution of Rain*

in space and time over Great Britain
and Northern Ireland during the year 1958
as recorded by about 6,000 observers

WITH MAPS

LONDON

HER MAJESTY'S STATIONERY OFFICE

1963

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BRITISH RAINFALL 1958

PART I

1 Rainfall Work of the Meteorological Office

“BRITISH RAINFALL.” Various changes have been introduced into this Volume of British Rainfall. The first and most important is a change in the standard average period to which percentages refer, from the 35 years 1881–1915 to the more recent 35-year period 1916–50. The previous average period, 1881–1915, has been used for rainfall comparisons in the Meteorological Office for nearly 40 years having been first used in *British Rainfall* in 1920. It seems likely that the new period, 1916–50, will be in general use for at least a decade, and for some purposes for much longer. It is probable that future work on rainfall averages will be based on decades made up into 30-year periods.

Another change is the amalgamation of Section 8 (Monthly rainfall for the year), and Section 10 (Total rainfall during the year) to form an enlarged Section 8 dealing with Monthly and Annual rainfall. Some of the tables in the new section have been enlarged and revised. The former Section 11, Evaporation and Percolation has now become Section 10. Tables have been renumbered as appropriate.

A third important change is an alteration in the meaning of monthly percentage values given in Tables 8D and 9A. In previous years each value of monthly rainfall in these tables was expressed as a percentage of the long period monthly average, but commencing 1958 both monthly and annual rainfall, for each station and for each country as a whole, are expressed as percentages of the appropriate long period *annual* average (now 1916–50).

The isopleths of the monthly maps appearing in this volume, however, are still based on

long period *monthly* averages. The maps therefore remain roughly comparable with the corresponding maps of previous years, though not strictly so in detail, since the 35-year period of average has been changed. Within the next few years the maps may also be changed to correspond with the monthly percentages in the tables. This is not yet settled.

The collection and checking of the grid references of the sites of all rainfall stations has now been completed. This work was commenced several years ago and the great majority of the references were published for the first time in *British Rainfall* 1957. The completed list is published in the present volume in the 100-metre form of reference as before. Some corrections have been made and some minor adjustments may still be necessary, but it is hoped that there are now no gross errors and that the positions of all stations are known within one or two hundred yards.

Delay in publication of this volume is mainly due to shortage of staff and to development work in the processing and presentation of rainfall data which is still going on. In order to bring the publication up to date as quickly as possible it is proposed to combine *British Rainfall* for 1959 and 1960 in one volume. This will mean some alteration in the lay-out of the General Table in Part II so that rainfall for the two years can be accommodated on a single line for each station. To do this it has been decided to retain the name of the station and grid reference of the rain-gauge site, but to omit the name of the responsible authority.

As regards later years, if present trials of machine processing of rainfall data and other work prove entirely satisfactory, the general lay-out of *British Rainfall* 1961 will be very considerably revised. It is planned to present much more of the information in the form of self-explanatory tables, diagrams and maps, with substantial reductions of the text of most sections. It is also proposed, beginning with *British Rainfall* 1961, to introduce a complete change in the order and grouping of rainfall stations in the General Table. Continuity with the old system will be retained, for the time being at least, by the use of a system of county code numbers, already introduced in *British Rainfall* 1957 in conjunction with the map immediately preceding the General Table. Apart from this, the use of county boundaries will be dropped, and the order and grouping of stations will be based entirely on a system of numbering linked with the division of the country into natural drainage areas. Further explanation will be given in *British Rainfall* 1961.

THE OBSERVERS AND CONTRIBUTORY AUTHORITIES. The information presented in this volume is based on the collection of nearly 6,000 returns of rainfall received from stations in all parts of the country. The goodwill of the private observers and other authorities, who voluntarily forward their observations to the Meteorological Office for use and preservation, is gratefully acknowledged. Without their ready co-operation the compilation of *British Rainfall* would not be possible. This volume contains data from about 100 new stations sent in by private observers from all parts of the United Kingdom but particularly from southern England.

The descriptions given in *British Rainfall* in earlier years of Meteorological Office representation on various committees, and co-operation with other organisations, remain broadly valid. Co-operation of this kind is often linked with research projects, but also important are those activities which involve

the maintenance and steady improvement of the permanent national rain-gauge network. Especially noteworthy in this connection are the close links which are maintained with the Surface Water Survey and the individual River Boards in England and Wales whereby suggestions are made for the improvement and extension of River Board rain-gauge networks under the terms of the River Boards Act, 1948. Similar links exist between the Meteorological Office and most, if not all, of the larger water supply undertakings which contribute extremely useful rainfall data for the areas in which they are interested.

INSPECTIONS. During the twelve months ending 30th June, 1959 the rainfall station inspectors visited over 672 stations. A large number of sites for new stations were selected including new sites for the installation of open scale rain recorders.

The stations visited covered a wide area but were mainly in the West Riding of Yorkshire, Derbyshire, the Midlands, Wales and Northern Ireland. Arrangements for inspections were made by a number of engineers serving water supply undertakings including:

The Metropolitan Water Board.
City of Birmingham.
Sheffield Corporation.
Derwent Valley Water Board.
Leeds Corporation.
Bradford Corporation.
South Staffordshire Water Board.
Nottingham Corporation.
City of Plymouth.
North of Scotland Hydro-Electric Board.
Scottish River Purification Boards.

Arrangements were made by the engineers to various River Boards for inspections of stations recommended for their gauging schemes, and the selection of new sites in areas poorly represented in the general rainfall station network. These included the Trent, Severn, Devon, Hampshire, South-west Wales and Dee and Clwyd River Boards.

SNOW SURVEY OF GREAT BRITAIN. A report on the Snow Survey of Great Britain appeared in *British Rainfall* for the first time in the volume for 1957. A similar report for the season 1957–1958 is published in Part III of the present volume. The basic information from which the Survey is prepared is obtained from Monthly reports made throughout the season, voluntary observers giving daily records of snowfall and snow cover within sight of their observing stations. Advance copies of this Survey were sent to these contributing observers at the end of 1958. Additional snow data are also obtained from returns made by voluntary climatological stations and official Meteorological office stations.

SURFACE WATER YEAR BOOK. The Meteorological Office has continued to make its contributions to the *Surface Water Year Book*, prepared by the Surface Water Survey of the Ministry of Housing and Local Government. The Year Book contains flow data for a steadily increasing number of river-gauging stations, a number approaching 200 in the late 1950's and planned to reach about 400 within a few years. Estimates of monthly and annual areal rainfall are prepared for as many as possible of the corresponding drainage areas, though there are still some areas for which the rainfall data are inadequate for the estimation of areal values.

INQUIRIES. Inquiries regarding rainfall in various parts of the country, dealt with by Headquarters or by the Meteorological Office, Edinburgh, followed the customary pattern and covered the very wide fields indicated in earlier volumes of *British Rainfall*. In particular, in connection with schemes for new or augmented sources of water supply information about rainfall was supplied to the responsible authorities for parts of the Mersey Basin, Derbyshire, and Ross and Cromarty,

and in the valleys of the Shin, Tay, Forth, Neath and Colne.

Information was supplied for publication in *Water and Water Engineering* and in the *Meteorological Magazine* while monthly reports of rainfall in Great Britain and Northern Ireland were supplied to the British Waterworks Association and to various Government Departments. Detailed reports were supplied each month to the Metropolitan Water Board and to the Lee Conservancy and tables of data were supplied to the Thames Conservancy. A comprehensive annual report was also prepared for the Metropolitan Water Board. The regular monthly issue of rainfall maps and data to industrial firms, Government Departments, consulting engineers and local authorities continued.

The exchange of information with the Director of Meteorological Services of the Irish Republic continued.

OBITUARY. During the twelve months ending 30th June, 1959 reports were received of the death of 48 observers who had contributed to *British Rainfall* over many years. Of these the following five observers kept rainfall records for 35 years or more.

R. Thurts, Esq. maintained a rainfall record at The Avenue, Lewes, Sussex, from 1921 until April, 1958. His son-in-law is carrying on this record.

Mrs. R. B. Turton of Kildale Hall, Yorkshire contributed records to *British Rainfall* for 48 years from 1910. G. L. Horton, Esq. is continuing the record.

E. W. Darby, Esq. sent rainfall records from the Croft, Carhampton, Somerset for 50 years from 1907 to 1957. He died in 1959.

Cecil Holman, Esq. began rainfall observations at Hatfield Longdon, Exeter, in 1921 and kept them until 1958.

Hugh P. Youngman, Esq. recorded the rainfall at Red House, Charsfield, Suffolk for 52 years from 1906. This long record is being maintained.

2 The Distribution of Rain in Time

THE NUMBER OF RAIN-DAYS AND WET-DAYS IN 1958

To obtain a homogeneous series of statistics the following definitions are used in *British Rainfall*:

A **rain-day** is a period of 24 hours, commencing normally at 9 a.m., during which $\cdot 01$ in. or 0.2 mm. or more of rain is recorded.

A **wet-day** is a period of 24 hours, commencing normally at 9 a.m., during which $\cdot 04$ in. or 1.0 mm. or more of rain is recorded.

The former definition dates from the year 1865, the latter was adopted in 1919.

Maps showing the annual distribution of wet-days over the country have been included in *British Rainfall* since 1919. Maps showing the distribution of annual and monthly average numbers of rain-days have been published in the *Climatological Atlas of the British Isles*, but similar maps of wet-days have not been prepared.

Information as to the number of rain-days and wet-days in 1958 is set out in this volume in various forms. The General Table of rainfall shows the annual numbers of rain-days and wet-days at stations where daily observations are recorded. The distribution of the number of wet-days is shown on the map reproduced on p. 5.

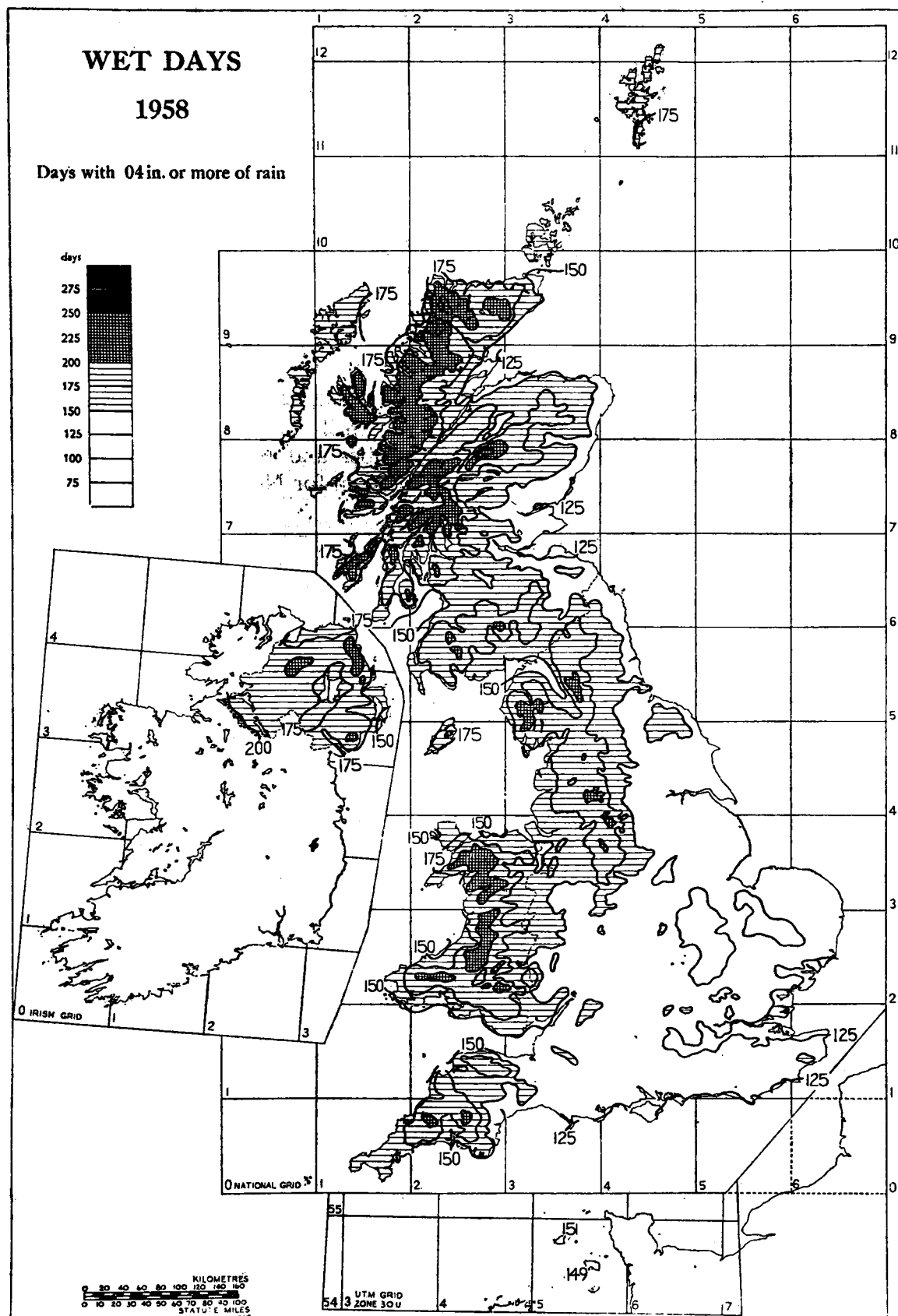
A comparison of the number of wet-days over England and Wales in each month of 1958 with corresponding figures for the previous 15 years and also with the average values for 35 years (1916–1950) is facilitated by Table 2A.

To study the distribution of rain-days and wet-days throughout the year, 82 stations have been selected to represent, as uniformly as possible, conditions over Great Britain and Northern Ireland. The same stations have

been used in the preparation of Table 3c, Droughts and Dry Spells, and of Table 4c, Rain Spells and Wet Spells. The numbers of rain-days and wet-days recorded at these stations are given in Table 2B. The monthly mean values for England and Wales, Scotland and Northern Ireland are shown in the table. Computed average numbers of rain-days and wet-days for the period 1916–1950 are also given. The monthly rainfall amounts for the 82 stations are included in Table 8c.

The map of the annual number of wet-days in 1958 shows a distribution which, in the main, is similar to that in earlier years. Broadly speaking the number of wet-days increases from the south-east to the north-west and from the plains of the east coast to the mountainous regions of the west. The mean number of wet-days in 1958 over England and Wales as a whole was 145, 7 more than the average and 13 more than in 1957. Scotland had 167 wet-days, 8 less than the average and 4 less than in the previous year. For Northern Ireland the total of 182 was 4 less than the average but 6 more than for 1957.

There were fewer than 125 wet-days in the Thames Estuary, the lower Thames Valley, over parts of East Anglia and the East Midlands and also in Lothian and around the Firth of Tay. More than 225 wet-days were reported from the north-west Highlands and the Grampians. Amongst the selected stations the number of wet-days ranged from 110 at Shoeburyness to 213 at Belleek. The maximum monthly total was 27 at Loch Duich (Ratagan) in January, the minimum was 3, recorded during April at a number of stations in the Midlands and the South of England. The number of wet-days was greatest in England and Wales generally during December



with a mean of 16, in Scotland during January and December with 18 and in Northern Ireland during August and December with 19. The mean numbers were least in England and Wales during April with only 6 days, in Scotland during November with 9 and in Northern Ireland in March, April, October and November with 11.

The mean value of 198 rain-days for England and Wales for 1958 was 12 more than average and 19 more than for 1957. The 219 days for Scotland was 4 less than the average (which was equalled in 1957) and for Northern Ireland the 245 days were 7 days more than average and 20 more than in the previous year.

Rain-days totals for the year were less than 150 in small areas around London and

exceeded 275 in the Grampians, the Sperrin Mountains and near Lough Erne. At the selected stations they ranged from 157 at Whittlesea Mere to 280 at Belleek. The maximum monthly total was 29 at Stornoway Airport during January and at Belleek during August, whilst the minimum was 5, reported from Southampton and Teignmouth for April.

The months with greatest mean number of rain-days in England and Wales were August and December each with 20, in Scotland, January, August and December each with 22, and in Northern Ireland, August and December each with 24. The smallest numbers were 10 in April for England and Wales, 14 in September and November for Scotland and 16 in April for Northern Ireland.

Table 2A. Monthly Number of Wet-Days (Days with .04 inch or more) over England and Wales 1943-1958

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1943	20	8	5	8	10	10	9	14	12	12	15	8	131
1944	13	9	4	9	6	11	11	9	13	16	19	12	132
1945	13	13	6	8	13	14	8	10	11	10	5	15	126
1946	12	12	7	8	10	15	10	16	16	6	18	16	146
1947	14	8	20	11	11	11	11	2	9	5	12	12	126
1948	22	10	6	9	9	15	8	14	9	11	9	13	135
1949	9	7	7	9	10	4	6	7	6	15	16	14	110
1950	7	16	8	15	9	8	12	16	18	9	18	13	149
1951	15	17	17	12	12	7	7	16	11	6	20	14	154
1952	15	6	11	10	10	9	6	12	13	14	13	16	135
1953	6	9	4	12	9	10	14	10	11	9	10	8	112
1954	10	14	12	4	11	12	13	15	16	15	18	12	152
1955	12	13	7	7	15	10	3	5	9	9	8	16	114
1956	17	7	6	7	5	11	12	18	11	9	7	15	125
1957	13	15	13	3	9	7	15	13	15	10	7	12	132
1958	13	14	9	6	13	14	12	15	13	12	8	16	145
Average*	14	11	10	11	10	9	11	11	11	13	13	14	138

* Average for 35 years, 1916-1950.

Table 2b. Number of Rain-days (.01 in. or more) and of Wet-days (.04 in. or more) in 1958

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Total Rain-fall.
ENGLAND AND WALES															in.
London2	St. Pancras (Camden Square) .	14 10	15 11	10 8	9 5	13 8	17 14	15 13	17 14	13 10	15 12	11 7	16 14	165 126	32.96
Kent1	Dover (Waterloo Crescent) . . .	15 13	17 16	17 9	13 9	13 10	14 11	13 8	21 14	10 5	17 14	9 8	20 17	179 134	36.13
"4	Edenbridge (Falconhurst)	16 10	15 11	14 7	10 7	10 7	20 14	14 9	19 14	13 10	17 13	9 9	18 17	175 128	37.40
Sussex3	Worthing (Beach House Park)	16 10	15 10	12 9	11 7	16 10	13 7	12 8	22 19	13 12	14 12	8 6	17 15	169 125	34.36
Hampshire . . .1	St. Catherine's Pt. Lighthouse	19 14	15 12	9 6	6 4	17 11	13 11	10 8	21 19	14 14	16 10	11 10	17 16	168 135	35.11
"4	Southampton (East Park)	14 11	16 13	9 6	5 4	18 10	15 12	12 8	20 16	15 12	15 14	13 11	17 14	169 131	36.39
"8	South Farnborough (R.A.E.) . . .	15 9	16 10	12 9	7 4	17 12	17 9	14 9	17 14	15 12	15 9	13 9	17 11	175 117	29.59
Hertford2	Harpden (Rothamsted)	16 9	18 13	12 10	9 7	17 8	17 15	17 11	20 15	17 13	19 11	14 9	22 15	198 136	32.20
Oxford3	Oxford (Radcliffe Met. Stn.) . . .	17 11	17 13	12 8	8 5	19 13	18 15	20 14	21 18	14 13	15 13	14 9	21 16	196 148	31.51
Northampton 4	Wellingborough (Swanspool) . . .	16 10	15 13	13 11	9 3	15 10	17 16	14 10	17 13	17 14	17 13	12 6	22 14	184 133	30.58
Huntingdon . .1	Whittlesea Mere	14 10	13 10	12 8	9 4	9 9	16 16	15 12	16 10	14 11	14 9	9 6	16 14	157 119	26.65
Cambridge . . .2	Cambridge (Botanic Gardens)	17 11	19 11	11 9	12 9	16 10	17 15	14 9	17 11	13 9	17 11	12 5	20 16	185 126	29.01
Essex3	Shoeburyness	15 10	16 12	11 8	9 7	14 7	15 12	10 6	20 11	13 8	16 11	10 5	16 13	165 110	29.82
"5	Earls Colne (Grammar School)	12 11	18 15	11 7	8 5	13 9	16 14	14 12	18 13	11 10	12 11	9 6	16 14	158 127	30.20
Suffolk4	Lowestoft (Grammar School)	18 15	17 14	14 10	13 8	15 10	13 10	14 10	14 10	13 10	16 12	10 5	19 14	176 128	26.36
Norfolk3	Sandringham House Gardens . . .	22 16	19 15	15 13	10 7	15 13	18 15	16 11	15 9	12 10	17 14	10 8	21 15	190 146	30.53
Devon, S.5	Teignmouth (Den Gardens) . . .	21 13	19 10	16 10	5 3	13 7	17 10	14 10	19 16	17 14	14 11	18 11	19 18	192 133	33.71
Devon, N.1	Ilfracombe (Bowling Green) . . .	21 15	19 15	11 5	9 6	17 14	16 13	16 9	24 21	17 15	18 13	12 10	21 19	201 155	44.98
Cornwall1	Bude School House	24 16	18 13	13 7	11 7	18 11	18 13	17 13	24 19	15 12	17 13	16 10	21 19	212 153	43.04
"2	St. Austell (Poltair Public Gdns.)	27 22	23 16	20 17	9 6	20 16	18 15	20 13	27 21	20 18	16 12	15 14	23 22	238 192	61.82
"4	Scilly (St. Mary's Coast. Stn.)	25 16	19 12	24 20	12 6	19 9	17 14	16 11	25 18	18 18	18 15	19 13	26 19	238 171	40.53
Somerset1	Bath (Henrietta Park)	16 12	20 13	10 8	10 6	20 11	19 13	17 13	22 17	19 11	16 12	16 8	21 17	206 141	35.75
"3	Taunton (Vivary Park)	19 13	17 14	12 5	6 3	10 9	15 11	17 12	20 11	17 14	13 9	23 12	20 13	189 126	27.93
Hereford1	Ross-on-Wye	18 10	15 13	8 7	7 3	19 12	18 14	17 11	18 10	17 13	16 10	14 9	20 14	187 126	34.62
Shropshire . . .3	Shrewsbury (Monkmoor)	20 10	19 12	13 10	8 4	20 12	19 17	19 16	18 14	18 13	19 11	13 8	20 16	206 143	33.36
Warwick1	Wellesbourne	20 12	18 13	11 8	6 3	17 11	17 13	16 13	18 12	14 11	16 9	16 8	23 12	192 125	29.71
Leicester4	Loughbor'gh (Nanpantan Res.)	17 14	16 12	15 8	8 5	14 12	19 15	17 13	16 13	17 15	15 10	12 8	15 13	181 138	31.39
Lincoln3	Potterhanworth (Old Hall)	18 12	16 13	17 11	9 4	16 12	23 19	16 15	16 15	16 13	19 10	13 5	19 14	198 143	30.58
Nottingham . .5	Mansfield (Carr Bank)	14 11	15 13	12 9	10 5	19 14	22 20	16 13	19 11	16 16	15 13	12 7	22 16	192 148	33.02
Cheshire2	Northwich (Winnington)	21 18	21 14	10 8	8 5	20 15	21 20	19 14	17 15	19 18	19 16	13 10	17 16	205 169	34.27
"3	Birkenhead (Bidston Obs'y.) . . .	20 16	17 13	14 8	7 5	17 12	20 18	20 14	20 17	16 16	21 12	13 8	19 12	204 151	36.27
Lancs, C.1	Squires Gate Airport	21 15	22 15	9 7	9 7	19 15	18 13	19 13	21 15	18 15	20 14	13 7	21 15	210 151	36.31

Table 2B. Number of Rain-days ($\cdot 01$ in. or more) and of Wet-days ($\cdot 04$ in. or more) in 1958 (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Total Rain-fall.
ENGLAND AND WALES (continued)															in.
Yorks, W.R.. 8	Wakefield (Clarence Park)	17 14	16 13	13 11	9 4	18 10	19 17	15 12	18 14	16 10	14 11	11 6	19 16	185 138	30·86
" E.R.. 3	Hull (Pearson Park)	15 11	16 13	13 10	10 8	17 13	17 13	16 14	18 14	15 11	13 11	7 4	17 12	174 134	28·59
" N.R.. 2	Felixkirk (Mount St. John) . . .	16 13	20 13	15 10	13 8	18 15	17 13	18 12	18 17	13 13	13 11	12 7	19 15	192 147	31·52
" N.R.. 5	Scarborough	17 12	23 18	18 12	12 6	17 15	18 15	13 9	17 11	14 10	11 9	10 5	23 14	193 136	28·49
Durham 2	Durham (University Obs'y.) . .	14 9	20 16	18 10	12 7	18 15	18 15	19 12	20 16	14 12	12 9	12 3	18 16	195 140	26·15
Northumb.. 6	Ilderton (Lilburn Tower Gdns.)	14 11	24 16	19 13	11 8	19 15	15 14	20 15	19 17	11 11	10 9	5 5	15 14	182 148	35·55
Cumberland . 1	Geltsdale	20 15	21 18	14 8	14 12	26 21	18 13	21 19	22 15	18 15	21 16	13 10	24 19	232 181	38·42
" 2	Keswick (High Hill)	17 14	18 18	11 11	12 7	26 20	20 17	19 17	21 16	18 15	21 16	11 7	22 20	216 178	51·26
Westmorland 2	Ambleside	18 16	21 18	12 9	11 11	24 19	19 14	19 16	20 17	17 14	21 19	11 9	18 17	211 179	67·93
Glamorgan . 7	Cardiff (Penylan)	18 16	20 15	7 6	10 5	23 14	16 12	19 16	26 21	18 16	17 13	14 8	22 16	210 158	47·01
Carmarthen . 2	Llandeusan (Pontcrynfe) . . .	27 16	25 16	15 10	10 3	24 17	20 15	22 18	25 20	21 16	18 13	18 9	18 15	243 168	59·45
Pembroke . . . 4	Haverfordwest (Hospital Gds.)	21 15	18 16	15 14	9 7	17 14	15 10	20 13	28 20	19 19	15 12	15 14	25 22	217 176	52·90
Radnor 1	Birmingham W.W. (Tyrm'dd)	25 19	23 18	19 12	16 9	25 20	19 17	23 17	26 17	20 16	23 17	19 10	21 16	259 188	64·15
Montgomery . 5	Lake Vyrnwy (Exper. Station)	23 18	22 19	15 11	9 5	25 19	19 16	20 15	24 16	20 18	22 16	19 9	23 16	241 178	62·62
Merioneth . . 5	Aberdovey (Plas Penhelig) . . .	25 21	24 20	16 10	14 8	23 17	14 14	21 17	25 19	20 19	23 15	16 12	20 15	241 187	54·50
Anglesey . . .	Llanerchymedd (Llwydiarth Esgob)	24 15	25 19	13 7	11 4	23 16	20 17	16 13	20 15	21 17	17 12	16 10	22 15	228 160	44·27
England and Wales	Mean of 48 Stations	19 13	18 14	13 9	10 6	18 13	17 14	17 12	20 15	16 13	17 12	13 8	20 16	198 145	...
	Average (1916-1950)	19 14	15 11	14 10	15 11	13 10	12 9	15 11	15 11	15 11	17 13	17 13	19 14	186 138	...
ISLE OF MAN	Douglas (Borough Cemetery).	22 18	23 20	14 11	15 10	19 15	20 14	18 14	22 19	16 15	19 15	20 11	22 16	230 178	50·79
SCOTLAND															
Wigtown . . . 1	Castle Kennedy (Lochinch) . .	25 24	20 16	13 10	14 13	18 14	19 17	17 15	21 15	16 12	20 16	19 12	23 18	225 182	50·33
Kirkcudbright 5	Lochnutton (Dumfries W.W.) .	21 16	19 14	12 10	11 9	22 19	21 18	19 16	16 13	14 12	18 12	13 8	21 19	207 166	44·87
Peebles 2	Stobo Castle	19 13	21 16	15 12	14 9	23 15	20 14	23 20	20 18	17 15	21 9	9 5	22 20	224 166	38·84
Berwick 4	Marchmont House	20 9	20 15	18 14	11 5	24 17	17 12	20 12	18 14	14 12	15 13	12 8	20 18	209 149	34·13
Lanark 5	Strathaven (Glengavel Res.) . .	21 17	23 19	15 9	11 11	15 13	18 15	19 15	22 16	16 12	24 21	11 10	22 20	217 178	47·38
Renfrew 3	Greenock (Prospect Hill) . . .	22 18	21 18	10 7	13 10	19 17	15 13	21 17	21 17	15 10	19 17	16 10	24 20	216 174	55·66
Stirling 1	Falkirk (Arncliffe)	16 12	17 11	16 9	9 7	17 12	16 10	21 17	21 17	13 10	14 11	10 7	20 18	190 141	38·34
Argyll 11	Inveraray Castle Gardens . . .	21 20	19 17	9 9	17 13	18 16	17 9	23 20	24 20	15 12	27 20	19 13	25 23	234 192	67·37
" 14	Islay (Eallabus)	25 22	23 20	15 9	14 11	15 14	19 16	19 15	19 15	13 11	25 21	20 12	27 23	234 189	46·79
" 14	Mull (Gruline)	26 24	22 20	14 11	17 14	19 17	16 10	18 14	21 19	17 15	25 24	20 10	25 23	240 201	64·67

Table 2B. Number of Rain-days (.01 in. or more) and of Wet-days (.04 in. or more) in 1958 (concluded)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year	Total Rain-fall.
SCOTLAND (continued)															
Argyll14	Tiree Airport	27 21	23 16	15 9	16 13	15 11	15 11	17 9	19 15	14 13	26 19	19 12	26 21	232 170	38.50
Fife3	Leuchars Airfield	13 8	15 12	17 11	9 5	14 10	18 13	17 14	20 13	15 9	11 8	8 4	17 13	174 120	29.66
Perth11	Aberfeldy (Tigh'n Eilean)	19 11	21 11	14 9	12 7	19 13	19 11	19 15	22 19	14 11	16 12	12 5	20 19	207 143	39.24
Aberdeen1	Braemar (Bank)	20 13	19 15	18 12	18 9	17 14	14 10	19 17	21 14	14 12	17 11	10 5	21 16	208 148	35.77
"2	Dyce (Crabstone)	19 17	23 18	23 12	16 11	19 15	14 6	19 14	21 16	13 10	16 13	14 7	19 13	216 152	37.28
"4	Peterhead (Mains of Buthlaw)	23 16	26 17	17 15	15 8	13 10	8 6	18 13	21 14	12 9	17 15	18 9	22 12	210 144	29.94
Banff3	Ballindalloch	21 15	21 18	15 11	16 15	18 16	13 11	19 16	22 20	12 9	14 11	12 9	20 17	203 168	36.25
Nairn2	Nairn (Achareidh)	19 13	22 14	14 7	19 11	19 8	15 10	16 11	22 18	14 8	16 12	12 7	20 13	208 132	26.65
Inverness2	Dalwhinnie	22 16	24 16	16 13	19 15	21 18	18 10	20 16	25 22	16 12	19 15	10 6	23 16	233 175	40.54
"6	Loch Ness (Garthbeg)	27 18	26 14	15 9	21 16	22 17	15 9	22 14	23 17	16 10	23 17	13 8	24 17	247 166	35.39
"17	Fort William (Sec. School)	23 20	20 16	14 9	19 13	21 15	12 6	21 14	27 19	18 14	27 23	18 11	23 18	243 178	59.15
Ross and Cromarty7	Inverbroom (Glackour)	26 23	18 17	9 9	23 19	24 23	10 8	18 14	22 18	9 8	23 21	15 12	19 19	216 191	54.14
"9	Loch Duich (Ratagan)	27 27	21 17	10 8	15 15	24 19	14 9	19 17	20 18	16 12	27 25	16 12	20 19	229 198	68.75
"10	Stornoway Airport	29 24	21 19	12 9	17 11	23 16	10 8	12 6	25 18	14 10	24 22	20 16	20 14	227 173	37.88
Sutherland1	Overscaig	27 24	27 22	17 13	18 17	26 21	11 8	15 11	22 20	12 11	22 22	16 13	20 17	233 199	54.20
"4	Tongue	26 23	23 20	15 10	20 17	26 21	12 8	14 9	25 18	12 8	21 15	15 10	22 17	231 176	36.97
Caithness2	Wick Airport	22 16	24 20	14 11	20 14	20 15	11 4	16 10	24 16	11 7	19 17	14 9	20 19	215 158	32.11
Scotland	Mean of 27 Stations	22 18	21 17	15 10	16 12	20 15	15 10	18 14	22 17	14 11	20 16	14 9	22 18	219 167	...
	Average (1916-1950)	21 18	18 14	17 13	17 13	16 12	16 12	18 14	19 14	19 15	21 17	20 16	21 17	223 175	...
NORTHERN IRELAND															
Fermanagh1	Newtownbutler (Crom Castle)	23 17	21 18	19 13	18 10	23 17	27 18	23 20	26 20	22 18	21 13	20 13	25 19	268 196	49.09
"1	Belleek	24 22	23 17	18 15	18 13	25 19	22 16	25 23	29 23	25 17	26 15	19 14	26 19	280 213	50.02
Armagh5	Armagh Observatory	19 17	18 15	15 10	15 9	18 13	20 18	22 16	25 18	20 15	15 7	15 9	21 19	223 166	40.91
Down5	Ballysallagh Reservoir	22 14	20 17	17 12	15 12	19 15	21 19	20 15	21 15	16 13	18 8	15 9	22 19	226 168	47.62
Antrim5	Ballymena (Harryville)	26 17	23 16	20 10	15 11	19 13	23 17	17 14	20 16	21 12	13 11	19 11	28 17	244 165	39.78
Tyrone3	Omagh (Edenfel)	24 18	18 14	12 7	14 13	19 15	22 18	23 21	23 18	20 17	17 11	15 11	23 21	230 184	42.82
Northern Ireland	Mean of 6 Stations	23 18	21 16	17 11	16 11	20 15	22 18	22 18	24 19	21 15	18 11	17 11	24 19	245 182	...
	Average (1916-1950)	23 18	18 14	18 14	18 14	17 14	17 13	20 16	21 16	20 15	22 17	21 17	23 18	238 186	...

3 Absolute Droughts and Dry Spells in 1958

The following definitions are used in *British Rainfall* in order to obtain a homogeneous series of statistics:

An **absolute drought** is a period of at least 15 consecutive days, to none of which is credited .01 in. of rain or more.

A **dry spell** is a period of at least 15 consecutive days, to none of which is credited .04 in. of rain or more.

More concise definitions of these terms would be: An *absolute drought* is a period of at least 15 days, none of which is a rain-day; a *dry spell* is a period of at least 15 days, none of which is a wet-day. The definition of an absolute drought was introduced in *British Rainfall*, 1887, while that of dry spell was first used in *British Rainfall*, 1919.

Details are given in Table 3c of the absolute droughts and dry spells which occurred at the 82 selected stations of Table 2b. Table 3a_B shows the total number of droughts and dry spells recorded at the selected stations in 1958 as compared with those of the 18 preceding years.

In previous volumes of *British Rainfall* it has been the practice to indicate spells already included for one calendar year and continued into the next by printing the relevant lines in Table 3c in italics. There were no such spells continued from 1957 into 1958.

Of the selected stations, 29 did not record a drought or a dry spell during the year and their names are omitted from Table 3c.

Absolute droughts were recorded at 12 of the selected stations in England and Wales, 5 in Scotland and 1 in Northern Ireland. No

station reported more than one drought, and the total 18 is less than one third of the average annual number reported by the selected stations during the 18 years 1940–1957. All the droughts occurred in one of two restricted periods, from early March to late April or from mid-November to early December. During the former period droughts were recorded by 9 of the selected stations, 5 in a belt from the Wirral to the Isle of Wight and the remainder in north-west Scotland where at Loch Duich (Ratagan) the longest drought of the year, 33 days, was recorded. During the latter period the 9 stations affected were widely scattered.

Dry spells were recorded at 53 of the 82 selected stations, 32 in England and Wales, 17 in Scotland and 4 in Northern Ireland. Some stations had more than one dry spell during the year—Wellingborough and Wellesbourne, for example, each had three—but the total number recorded, 71, was only about half the average number recorded by the selected stations during the period 1940–1957. They occurred in one of four periods. During the first, from early March to late April, there were 25 dry spells recorded at selected stations, mostly located in southern and eastern England and in western Scotland where at Loch Duich (Ratagan) the longest dry spell of the year was recorded. During the second period, which lasted from late May or early June to mid-June, dry spells were confined to Scotland, being reported by 3 stations there. The second half of October can be regarded as the third period when dry spells were reported by 10 stations, 8 in the Midlands and south and south-west England, and 2 in Northern Ireland. During the fourth period, which began in mid-November, 33 stations had dry

spells: the area affected was extensive embracing much of east and south-east England, Yorkshire (except the West Riding), the western counties of Scotland from Renfrewshire to Ross and Cromarty, and a large part of Northern Ireland.

Table 3AB. Droughts and Dry Spells at 82 Stations, 1940-1958

Year	ABSOLUTE DROUGHTS*				DRY SPELLS†			
	Number at 82 Stations	Mean Duration	Longest	Stations without one	Number at 82 Stations	Mean Duration	Longest	Stations without one
		Days	Days			Days	Days	
1940	40	20	31	53	83	23	48	39
1941	82	21	31	25	196	21	37	1
1942	96	20	30	26	206	22	36	9
1943	61	21	41	47	129	22	47	28
1944	25	17	21	62	96	19	37	41
1945	33	19	24	55	125	20	35	14
1946	57	17	25	36	132	18	29	10
1947	114	25	44	3	179	25	53	1
1948	29	17	23	57	107	19	32	18
1949	75	20	37	27	162	22	55	12
1950	41	16	21	49	106	17	27	24
1951	27	16	23	56	94	18	32	12
1952	32	17	23	61	119	18	23	24
1953	71	24	36	20	163	23	43	7
1954	44	20	27	43	97	21	29	15
1955	111	20	36	15	224	22	44	2
1956	12	17	21	72	69	19	36	43
1957	46	17	40	47	159	18	42	19
1958	18	18	33	64	71	18	33	29

* 15 days without a rain-day.

† 15 days without a wet-day.

Table 3c. Droughts and Dry Spells in 1958

County and River Division	Station	Absolute Droughts			Dry Spells		
		Began	Ended	Lasted days	Began	Ended	Lasted Rain in. days
ENGLAND AND WALES							
London .....2	St. Pancras (Camden Square) .....	...	...	...	Mar. 9	Mar. 23	15
Kent .....1	Dover (Waterloo Crescent)	Nov. 13	Nov. 27	15	Apr. 10	Apr. 24	15
Sussex .....3	Worthing (Beach House Park)	Nov. 20	Dec. 7	18	Nov. 13	Nov. 30	18
Hampshire .....1	St. Catherine's Pt. Lighthouse	Apr. 6	Apr. 23	18	Nov. 13	Dec. 7	25
"4	Southampton (East Park) .....	...	...	...	Apr. 6	Apr. 23	18
"8	South Farnborough (R.A.E.)	Apr. 6	Apr. 23	18	Oct. 15	Oct. 30	16
Oxford .....3	Oxford (Radcliffe Met. Station) .....	...	...	...	Apr. 6	Apr. 24	19
Northampton....4	Wellingborough (Swanspool) .....	...	...	...	Nov. 24	Dec. 8	15
Huntingdon .....1	Whittlesea Mere .....	...	...	...	Oct. 13	Oct. 29	17
Cambridge .....2	Cambridge (Botanic Gardens) .....	...	...	...	Apr. 6	Apr. 24	18
Essex .....4	Earls Colne (Grammar School) .....	...	...	...	Oct. 14	Oct. 29	16
Suffolk .....4	Lowestoft (Grammar School) .....	...	...	...	Apr. 6	Apr. 24	19
Norfolk .....3	Sandringham House Gardens	Nov. 13	Nov. 27	15	Nov. 13	Dec. 4	22
Cornwall.....2	St. Austell (Poltair Public Gardens) .....	...	...	...	Nov. 13	Nov. 29	17
Somerset .....1	Bath (Henrietta Park) .....	...	...	...	Oct. 14	Oct. 29	16
"3	Taunton (Vivary Park) .....	...	...	...	Nov. 20	Dec. 6	16
Hereford .....1	Ross-on-Wye .....	...	...	...	Apr. 6	Apr. 22	17
Shropshire .....3	Shrewsbury (Monkmoor) .....	...	...	...	Oct. 14	Oct. 29	16
		...	...	...	Oct. 14	Oct. 31	18
		...	...	...	Apr. 6	Apr. 24	19
		...	...	...	Apr. 1	Apr. 15	15

Table 3c. Droughts and Dry Spells in 1958 (continued)

County and River Division	Station	Absolute Droughts			Dry Spells		
		Began	Ended	Lasted	Began	Ended	Lasted
ENGLAND AND WALES (continued)	Warwick .....1	Apr. 6	Apr. 22	days 17	Apr. 5	Apr. 23	days 19
		...	...	...	Oct. 14	Oct. 29	16
	Leicester .....4	...	...	...	Nov. 24	Dec. 8	15
	Lincoln .....3	...	...	...	Apr. 6	Apr. 22	17
		...	...	...	Apr. 10	Apr. 24	15
		...	...	...	Nov. 13	Dec. 7	25
	Nottingham .....5	...	...	...	Apr. 1	Apr. 16	16
	Cheshire .....2	Mar. 30	Apr. 15	17	Mar. 30	Apr. 15	17
	"3	Apr. 1	Apr. 15	15	Mar. 30	Apr. 15	17
	Lancs, C. ....1	...	...	...	Mar. 30	Apr. 15	17
		...	...	...	Nov. 16	Dec. 6	21
	Yorks, E.R. ....3	Nov. 16	Dec. 1	16	Nov. 12	Dec. 7	26
	" N.R. ....5	...	...	...	Nov. 12	Dec. 29	18
	Cumberland ....1	Nov. 16	Nov. 30	15	Nov. 16	Nov. 30	15
SCOTLAND	Wigtown .....1	Nov. 16	Nov. 30	15	Nov. 14	Nov. 30	17
	Peebles .....2	Nov. 16	Dec. 1	16	Nov. 15	Dec. 6	22
	Lanark .....5	Nov. 16	...	...	Nov. 13	Dec. 7	25
	Renfrew .....3	Nov. 16	Dec. 1	16	Nov. 15	Dec. 7	25
		...	...	...	Nov. 13	Dec. 7	25
		...	...	...	Mar. 28	Apr. 15	19
		...	...	...	Nov. 14	Dec. 1	18
	Castle Kennedy (Lochinch) .....	...	...	...	Nov. 21	Dec. 7	17
	Stobo Castle .....	...	...	...	Nov. 13	Nov. 30	18
	Strathaven (Glengavel Reservoir)	Nov. 17	Dec. 2	16	Nov. 16	Dec. 2	17
	Greenock (Prospect Hill) .....	...	...	...	Mar. 5	Mar. 25	21
	Falkirk (Arnotdale) .....	...	...	...	Nov. 20	Dec. 5	16
	Inveraray Castle Gardens	Mar. 7	Mar. 25	19	Nov. 17	Dec. 6	20
	Islay (Eallabus) .....	...	...	...	Mar. 7	Mar. 25	19
	Mull (Gruline) .....	...	...	...	Nov. 16	Nov. 30	15
		...	...	...	Nov. 16	Nov. 30	15

Table 3c. Droughts and Dry Spells 1958 (concluded)

County and River Division	Station	Absolute Droughts			Dry Spells			
		Began	Ended	Lasted	Began	Ended	Lasted	Rain
SCOTLAND (continued)				days			days	in.
Fife .....3	Leuchars Airfield .....	...	...	...	Nov. 12	Dec. 9	28	.07
Perth .....11	Aberfeldy (Tigh'n Eilean) .....	...	...	...	Nov. 15	Nov. 30	16	.06
Banff .....3	Ballindalloch .....	...	...	...	June 1	June 15	15	.01
Inverness .....6	Loch Ness (Garthbeg) .....	...	...	...	Nov. 13	Nov. 28	16	.06
"17	Fort William (Secondary School) .....	...	...	...	Mar. 9	Mar. 25	17	.07
Ross and Cromarty .....7	Inverbroom (Glackour)	Mar. 11	Apr. 2	23	May 27	June 10	15	.07
"9	Loch Duich (Ratagan) .....	...	...	...	Mar. 11	Apr. 2	23	.00
"10	Stornoway Airport	Mar. 12	Apr. 13	33	June 1	June 15	15	.03
Sutherland .....4	Tongue	Mar. 16	Apr. 6	22	Mar. 12	Apr. 13	33	.00
		...	...	...	Mar. 16	Apr. 13	29	.05
		...	...	...	Nov. 13	Nov. 28	16	.05
NORTHERN IRELAND								
Armagh .....5	Armagh Observatory .....	...	...	...	Oct. 16	Oct. 31	16	.06
Down .....4	Ballysallagh Reservoir	Nov. 21	Dec. 6	16	Nov. 19	Dec. 6	18	.04
Antrim .....5	Ballymena (Harryville) .....	...	...	...	Oct. 17	Oct. 31	15	.09
Tyrone .....3	Omagh (Edenfel) .....	...	...	...	Nov. 20	Dec. 7	18	.08
		...	...	...	Nov. 14	Dec. 7	24	.17
		...	...	...	Nov. 16	Dec. 1	16	.04

4 Rain Spells and Wet Spells in 1958

The definitions of the terms "rain spell" and "wet spell" as used in this section are analogous to those of the terms "absolute drought" and "dry spell" which are used in the previous section. Thus:

A **rain spell** is a period of at least 15 consecutive days to each of which is credited .01 in. of rain or more.

A **wet spell** is a period of at least 15 consecutive days to each of which is credited .04 in. of rain or more.

In other words, a *rain spell* contains at least 15 consecutive rain-days and a *wet spell* contains at least 15 consecutive wet-days.

Table 4c contains particulars of all rain spells and wet spells during 1958 which were reported from the 82 selected stations of Table 2b. Stations from which no rain spells or wet spells were reported are omitted from this table.

The date of commencement of the rain-spell at Tongue, Sutherland, which began in December 1957, is given in Table 4c in the form 18.XII.57.

In 1958 the total number of rain spells at the selected stations was 77, and of these 9 ranked as or included wet spells. Averages in this series for the years 1940-1957 are 95 rain spells and 22 wet spells per annum.

The longest rain spells were of 31 days' duration at Birmingham Waterworks (Tyrmynydd), Loch Ness (Garthbeg) and Omagh (Edenfel). Rainfall during the 31 days was

6.91 in. at Tyrmynydd, 3.06 in. at Loch Ness, and 5.45 in. at Omagh.

Seventeen stations distributed over south-west and north-east England, the western areas of Wales and Scotland and the eastern counties of Northern Ireland experienced rain spells between the beginning of the year and early March. Within this period Overscraig had three distinct rain spells totalling 55 days, and Aberdovey and Stornoway each had two totalling 34 and 39 days respectively. During the latter part of April rain spells occurred in the north of Scotland, while during May and early June they were reported by nine stations in Wales, northern England, western Scotland and Northern Ireland. Between mid-July and early September, 14 stations recorded rain spells, 1 in Scotland, 4 in Northern Ireland, 5 in Wales, and the remainder in south-west, south-east or north-west England. Rain spells occurred at 24 stations between late September and mid-November, mostly in western districts of the United Kingdom. The last rain-spells of the year occurred between December 5 and 22 at stations in Cornwall and Co. Antrim.

Of the 9 wet spells reported during the year, 7 occurred at Scottish Stations, three during January; one of the stations, Inverbroom (Glackour), had further wet spells in April and May. Between late September and mid-October there were three wet spells reported from stations in south and west Scotland and in the Lake District. The longest wet spell of the year occurred during the summer months at Belleek; it lasted for 23 days from late July to mid-August.

Table 4AB. Rain Spells and Wet Spells at 82 Stations, 1940-1958

Year	RAIN SPELLS*						WET SPELLS†					
	Number at 82 Stations	Mean Duration days	Mean rain per day in.	Longest Duration days	Mean rain per day in.	Stations without one	Number at 82 Stations	Mean Duration days	Mean rain per day in.	Longest Duration days	Mean rain per day in.	Stations without one
1940	67	19	.27	47	.44	45	4	20	.34	24	.44	79
1941	43	19	.25	34	.26	54	4	16	.36	18	.34	78
1942	94	20	.27	47	.15	32	22	17	.36	24	.54	63
1943	98	22	.27	42	.28	42	15	21	.37	26	.63	71
1944	95	21	.26	67	.19	35	21	18	.63	25	.49	66
1945	86	19	.26	40	.24	35	22	16	.35	20	.41	65
1946	134	21	.28	42	.18	22	42	19	.38	37	.40	57
1947	82	20	.26	34	.20	26	21	17	.35	25	.25	64
1948	107	21	.30	54	.37	37	28	19	.38	31	.28	63
1949	109	22	.30	41	.44	48	32	20	.40	34	.54	68
1950	139	21	.30	50	.35	35	38	19	.41	38	.64	61
1951	112	19	.28	49	.47	23	23	18	.42	32	.39	66
1952	115	20	.24	40	.34	36	24	18	.38	26	.31	66
1953	65	20	.29	31	.18	50	16	19	.44	29	.56	67
1954	151	21	.30	116	.35	33	42	18	.41	37	.38	59
1955	51	18	.20	27	.25	45	6	17	.34	21	.24	76
1956	62	20	.29	32	.36	45	10	20	.45	29	.25	74
1957	107	20	.27	37	.16	27	29	19	.37	24	.47	59
1958	77	19	.23	31	.22	43	9	18	.30	23	.27	75

* At least 15 days, each credited with .01 in. or more.

† At least 15 days, each credited with .04 in. or more.

Table 4c. Rain Spells and Wet Spells in 1958

County and River Division	Station	Rain Spells				Wet Spells				Max. in a day during Rain Spells	
		Began	Ended	Lasted	Total Rain	Began	Ended	Lasted	Total Rain	Date	Rain
ENGLAND AND WALES											
Kent .....4	Edenbridge (Falconhurst)	Sept. 28	Oct. 13	16 days	in. 4.14	...	...	...	in. ...	Sept. 29	.90
Hampshire ...1	St. Catherine's Pt. Lighthouse	Sept. 28	Oct. 13	16	2.93	...	...	...	...	Oct. 6	.43
Hertford ....2	Harpندن (Rothamsted)	July 25	Aug. 9	16	1.50	...	...	...	...	July 25	.35
Cornwall .....1	Bude (School House)	Sept. 27	Oct. 14	18	4.54	...	...	...	...	Oct. 6	.63
"2	St. Austell (Poltair Public Gdns.)	Jan. 14	Jan. 28	15	2.21	...	...	...	...	Jan. 27	.70
		July 24	Aug. 14	22	6.81	...	...	...	...	July 27	1.22
		Dec. 6	Dec. 20	15	5.25	...	...	...	...	Dec. 10	.85
"4	Scilly (St. Mary's Coastguard Stn.)	Jan. 14	Jan. 28	15	1.48	...	...	...	...	Jan. 21	.41
		Dec. 5	Dec. 20	16	3.32	...	...	...	...	Dec. 10	.88
Yorks, N.R. .5	Scarborough	Feb. 13	Feb. 28	16	2.56	...	...	...	...	Feb. 15	.39
Cumberland ..1	Geltsdale	May 17	June 2	17	1.92	...	...	...	...	May 23	.55
		Sept. 28	Oct. 12	15	3.15	...	...	...	...	Oct. 6	.68
"2	Keswick (High Hill)	Sept. 28	Oct. 12	15	6.42	...	...	...	...	Sept. 28	1.24
Westmorland 2	Ambleside	Sept. 28	Oct. 11	18	5.48	...	...	...	...	Aug. 9	.93
		July 25	Aug. 12	15	9.31	Sept. 28	Oct. 12	15	9.31	Oct. 12	2.02
		Sept. 28	Oct. 15	15	2.30	...	...	...	...	Aug. 13	.45
Glamorgan ..7	Cardiff (Penylan)	Sept. 27	Oct. 13	17	6.08	...	...	...	...	Oct. 3	.97
		Jan. 3	Jan. 22	20	3.72	...	...	...	...	Jan. 4	1.03
Carmarthen ..2	Llandeusan (Pontcrynfe)	July 25	Aug. 15	22	4.29	...	...	...	...	July 27	.72
		Sept. 27	Oct. 15	19	7.74	...	...	...	...	Sept. 28	1.40
		Aug. 17	Sept. 2	17	4.71	...	...	...	...	Sept. 2	.92
		May 4	May 20	17	2.66	...	...	...	...	May 15	.86
Pembroke ....4	Haverfordwest (Hospital Gds.)	July 25	Aug. 24	31	6.91	...	...	...	...	Aug. 18	.85
Radnor .....1	Birmingham W.W. (Tyrmynydd)	Sept. 28	Oct. 16	19	7.12	...	...	...	...	Oct. 12	.96
		May 4	May 24	21	6.41	...	...	...	...	May 11	1.14
		July 25	Aug. 8	15	3.67	...	...	...	...	July 27	1.20
Montgomery .5	Lake Vyrnwy (Experimental Stn.)	Sept. 27	Oct. 13	17	5.12	...	...	...	...	Oct. 12	.87

5 Duration of Rainfall in 1958

The duration of rainfall is obtained by measurement of the records of autographic gauges. On these records the amount of rain is measured vertically and the duration of the rainfall is measured horizontally, using scales which are printed upon the charts. The pen of an autographic gauge writes a horizontal line on the chart during the time that no rain is falling, and a sloping line whenever rain is passing into the receiver of the gauge. The inclination of the slope to the horizontal varies with the intensity of the rain.

Duration of rainfall as discussed in this Section is defined as the length of time during which rain is falling at a rate of not less than 0.1 mm. per hour, i.e., .004 inch per hour. Tabulations at all the official stations are made according to this convention, which was first brought into use in *British Rainfall* 1920. The convention was adopted because, for very light rainfall, it was found to be almost impossible to define the exact point on the chart where the change from "no rain" to "rain" occurred. By taking a definite limiting slope of the trace as the criterion the difficulty is avoided to a great extent and it is found possible to obtain measurements from different gauges and from different observers which are comparable amongst themselves. The limit 0.1 mm. (.004 inch) per hour is low enough to ensure that no fall of practical importance is excluded.

Table 5A gives the monthly and annual totals of duration of rainfall at 145 stations. Other records of duration are received but the published list gives good representation over the country.

For the purpose of Table 5A, the month commences at 9 a.m. G.M.T. on the first day of the month and ends at the same hour on the first day of the following month.

Table 5B gives the monthly and annual rates of rainfall at 15 stations included in Table 5A.

Values of the average monthly and annual duration 1931–1940 at 50 stations and the corresponding mean rates of rainfall at 14 well distributed stations were given in *British Rainfall* 1948. Average monthly and annual duration of rainfall 1941–50 are available for 27 of the original 50 stations and were printed as Table 5C in *British Rainfall* 1957. In Table 5D, in *British Rainfall* 1957 were given the corresponding mean rates of rainfall for 13 of the original 14 stations, supplemented by additional records from Renfrewshire and the Hebrides.

The duration of rainfall in 1958 was less than average over most of western, central and southern Scotland, and also in the extreme north-west of England. In Dumfriesshire, Renfrewshire and Tiree totals were more than 100 hours below the 1941–50 averages. In other areas duration totals exceeded the average by amounts varying between about 20 and 170 hours. The smallest excesses of less than 50 hours, were in southern England, Norfolk and the east Midlands, the largest excesses occurring in south Wales, particularly in Glamorgan and Brecknockshire.

The annual duration exceeded 1,000 hours locally in Monmouthshire, Brecknockshire, Caernarvonshire, Dunbartonshire and Dumfriesshire and also in Renfrewshire. At Snowdon (Cwm Dyli) the total was 1,441 hours.

February was the month with the greatest duration over most of the United Kingdom but in south-east England the highest monthly duration occurred in one of the four months January, February, June or December. In many parts of Scotland, including practically

all of the north and west of the country, maximum durations were recorded in January or February. The Central Lowlands and the south-east of Scotland had their greatest monthly totals of duration in December, and areas around the Moray Firth in July or August.

The largest individual monthly totals in the table was recorded in February at Snowdon (Cwm Dyli), 223 hours. The largest monthly total in England was 143 hours at Squires Gate in February, and in Scotland, 189 hours at Calder Water (Muirshiel Mill) in January. In Northern Ireland the largest monthly total was 113 hours during June at Aldergrove.

Minimum monthly duration totals over most of England, Wales, the south-east of Northern Ireland and south-west Scotland occurred in March or April, but in October or November in north-east England, much of Northern Ireland and in south and east Scotland as far north as Rattray Head. Northern counties of Scotland had minimum monthly durations in June or July, so too, did a few areas around London.

The lowest monthly total shown in the Table of 145 Stations, 13 hours, was recorded at Clyst Honiton in April. In Wales, the lowest monthly total was 14 hours at Swansea in April and in Scotland, 20 hours at Dyce (Aberdeen Airport) in November. Also in November, Ballykelly Airfield recorded 30 hours, the lowest monthly total in Northern Ireland.

Table 5B sets out the mean monthly and annual values of rate of rainfall at 15 stations chosen to show broadly the variation in rates throughout the country. The values are obtained by dividing the total fall for the month or the year by the duration given in Table 5A.

The mean rates for the year at the 15 stations vary from .081 inch per hour at Snowdon (Cwm Dyli) to .043 in. per hour at Aldergrove Airfield. For individual months there are even wider variations from station to station, illustrated in Table 5B by the range from .123 in. per hour at Snowdon (Cwm Dyli) in September to .021 in. per hour at Mildenhall Airfield and Bristol (Filton) in March.

Table 5A. Duration of Rainfall at 145 Stations during 1958 (Monthly and Annual values)

County and River Division	Station	Height above Sea	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
London1	Greenwich (Maritime Museum)	24	55	62	35	34	33	60	32	46	44	40	44	55	540
"2	Kensington Palace	80	62	65	34	32	38	62	35	45	43	42	44	59	561
"2	Hampstead Observatory	450	66	64	38	34	39	69	36	44	43	43	52	61	589
"2	St. Pancras (Camden Square)	110	61	67	37	33	37	66	37	43	41	42	45	57	566
Surrey2	Lingfield (Sewage Works)	155	62	67	36	31	38	63	25	45	51	58	40	72	588
"4	Caterham (Alderstead Heath)	577	83	73	57	32	40	79	43	45	48	57	46	69	672
"4	Croydon Airport	201	78	52	41	26	43	57	33	36	52	64	52	70	604
"5	Earlswood (Sewage Farm)	196	81	83	41	31	40	61	32	41	55	61	44	67	637
"5	Dorking (Pixham Lane Sewage Works)	138	80	80	36	24	34	45	32	32	46	52	39	59	559
"5	Leatherhead (Elmer Softening Works)	168	64	57	47	23	36	52	38	38	57	67	48	66	593
"5	Weybridge (Weylands Sewage Works)	50	62	52	28	27	39	52	35	42	45	45	37	48	512
"5	Kingston (Canbury Gardens)	23	60	55	28	21	28	50	20	43	40	37	36	47	465
"5	Kew Observatory	18	56	57	32	23	35	52	27	42	43	35	40	49	491
"6	Shooterhill (Sewage Works)	383	86	66	59	26	46	52	46	63	52	52	45	79	672
"6	Guildford (Woking Road)	98	40	50	35	20	34	62	27	44	42	46	48	55	503
"8	Camberley (Sewage Works)	198	74	76	47	26	42	54	31	42	54	45	45	48	584
Kent1	Folkestone (The Leas)	128	61	76	36	40	24	58	49	40	26	51	37	61	559
"4	West Malling Airfield	304	68	64	30	33	29	57	36	39	34	51	39	61	541
"5	Dartford (Central Park)	17	42	52	17	32	27	60	37	44	34	39	37	52	473
Sussex1	Thorney Island Airfield	10	75	70	42	16	40	43	32	41	39	36	38	50	522
"2	Horsham (Sewage Disposal Works)	120	81	63	44	23	33	51	28	43	44	50	42	69	571
"3	Worthing (Beach House Park)	25	69	62	34	25	42	45	30	55	35	40	38	60	535
"5	Hastings (White Rock)	149	75	61	28	40	29	42	32	41	31	48	40	62	529
Hampshire2	Hurn (Bournemouth Airport)	33	67	67	38	19	46	47	29	43	50	46	54	61	567
"6	Liss	195	75	62	39	22	43	47	69	52	57	67	48	90	671
"8	South Farnborough (R.A.E.)	226	61	59	41	18	40	47	29	44	46	39	45	50	509
Berkshire3	Maidenhead (Sewage Works)	81	65	65	37	25	34	49	26	38	47	36	36	50	508
"5	Abingdon Airfield	210	85	93	49	26	39	62	43	57	42	45	75	68	684
Middlesex1	Isleworth (Mogden Works)	33	57	51	27	21	33	51	26	40	42	37	43	47	475
"1	London Airport	82	88	59	41	20	34	50	23	38	49	34	43	76	555
"1	Harmondsworth (Road Research Lab.)	80	63	56	34	22	35	62	25	39	44	38	45	47	510
"1	Hanwell	36	50	56	22	20	34	54	19	38	42	41	42	56	474
"1	Brent Reservoir	138	57	52	25	29	33	57	36	50	52	44	48	57	540
"2	Southgate (Oakwood Park)	220	56	49	31	32	38	80	61	46	62	55	42	53	605

Table 5A. Duration of Rainfall at 145 Stations during 1958 (Monthly and Annual values) (continued)

County and River Division	Station	Height above Sea	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Hertford.....1	Garston (Building Research Station)	ft. 250	hr. 70	66	38	37	39	59	38	38	44	43	48	57	577
".....3	Stevenage (Broomin Green)	307	67	64	37	38	36	75	53	32	40	42	41	54	579
Buckingham .3	Eton (Tangier Island)	67	72	64	45	23	46	42	24	34	48	36	37	47	518
Oxford.....4	Benson Airfield	219	80	83	40	26	36	65	35	45	41	45	62	59	617
Northampton 4	Wittering Airfield	260	79	95	48	20	39	79	49	30	32	34	36	59	600
Bedford.....3	Cardington	93	59	79	48	27	28	77	38	30	30	36	38	62	552
Essex.....1	Stansted Airport	330	69	102	43	53	47	93	53	43	49	53	59	64	728
".....5	Colchester (Waterworks)	38	66	76	24	33	35	80	50	44	33	42	32	63	578
Suffolk.....2	Ipswich (Belstead Hall)	123	56	50	21	22	28	46	38	31	28	37	39	48	444
".....3	Felixstowe	10	88	81	28	32	31	46	42	27	32	55	47	60	569
".....5	Mildenhall	15	60	94	29	29	49	71	51	45	36	38	41	55	598
Norfolk.....1	West Raynham Airfield	250	61	106	35	30	47	41	44	32	38	33	35	61	563
".....4	Marham Airfield	76	49	101	27	27	40	47	41	26	32	30	38	49	507
Wiltshire ....1	Lynham Airfield	456	75	95	44	27	58	52	49	60	53	55	56	68	692
".....3	Salisbury (Sewage Works)	147	68	65	36	20	49	43	33	41	52	51	65	56	579
".....3	Porton (C.D.E.E.)	363	71	85	44	20	59	36	39	41	41	50	51	56	593
".....3	Boscombe Down Airfield	417	79	73	47	17	44	38	41	47	47	47	59	60	599
Dorset.....3	Portland Bill	32	55	67	26	16	24	28	25	25	43	42	47	52	450
Devon, S.....2	Plymouth (Mount Batten)	90	75	92	54	20	47	58	46	71	57	48	51	65	684
".....6	Exmouth (Salterton Road)	195	61	80	37	16	38	46	36	41	46	32	45	53	531
".....6	Clyst Honiton (Exeter Airport)	106	59	75	36	13	39	57	31	43	41	34	50	61	539
Devon, N.....2	Chivenor Airfield	20	54	97	27	24	48	76	33	66	55	57	73	74	684
Cornwall ....1	St. Mawgan Airfield	337	95	106	56	25	51	66	48	87	75	55	67	75	806
Somerset.....3	Bickenhall	231	78	99	46	23	47	49	36	47	57	38	60	70	650
".....3	Bridgwater (Northmoor Pumping Stn.) ..	23	65	82	25	21	37	47	31	49	49	33	69	59	567
".....4	Washford (Torre)	155	59	107	48	27	62	70	36	56	63	48	59	74	709
".....4	Minehead (Blenheim Gardens)	37	74	93	48	24	66	57	27	44	49	51	49	66	648
Gloucester ..5	Horfield	248	47	80	29	21	45	44	36	48	46	30	44	48	518
".....5	Bristol (Filton)	192	58	108	54	32	55	59	46	70	58	46	63	75	724
".....7	Little Rissington Airfield	740	88	121	55	19	68	79	63	69	54	50	83	72	821
Hereford ....1	Ross-on-Wye	223	51	92	34	17	39	41	35	23	49	31	58	58	528
Shropshire ..4	Shawbury Airfield	235	63	112	34	16	50	79	71	35	57	39	50	60	666
Stafford.....3	Keele (University College of N. Staffs.) ..	587	77	116	44	23	59	87	73	32	50	50	53	69	733
Worcester ...3	Pershore Airfield	114	73	75	30	24	46	50	48	38	48	38	65	55	590

Table 5A. Duration of Rainfall at 145 Stations during 1958 (Monthly and Annual values) (continued)

County and River Division	Station	Height above Sea	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
Warwick4	Elmdon (Birmingham Airport)	324	62	89	53	17	41	59	60	27	51	42	50	59	610
"4	Birmingham (Handsworth Park)	424	67	119	73	23	71	82	49	30	44	39	36	57	690
Leicester4	Leicester (De Montfort Square)	250	66	79	46	14	26	74	50	28	28	37	35	58	541
"4	Loughborough (Nanpantan Reservoir)	269	69	72	67	18	39	60	59	29	36	40	40	49	578
Lincoln3	Boston (Church Road Pumping Stn.)	8	57	79	43	22	44	57	55	26	30	32	21	56	522
"3	Cranwell Airfield	203	62	92	52	16	37	71	69	27	25	28	26	55	560
"4	Manby Airfield	55	50	103	48	21	45	55	77	23	38	39	36	60	595
Nottingham .5	Watnall	366	77	91	48	22	53	82	66	28	37	45	39	75	663
"6	Finningley Airfield	32	69	112	68	15	43	89	83	42	24	32	16	78	671
Cheshire1	Appleton Reservoir	120	58	109	45	17	40	76	57	30	39	43	40	67	621
"1	Ringway (Manchester Airport)	248	85	119	55	24	42	89	67	51	43	54	36	71	736
"3	Barrowmore	114	58	53	38	13	41	74	53	33	36	38	30	51	518
"3	Wallasey (Harrison Park)	57	88	120	69	24	55	71	57	51	48	48	36	56	723
Lancs, S.2	Speke (Liverpool Airport)	77	76	110	50	21	59	83	67	48	51	55	37	62	719
"2	Liverpool (Monument Place)	124	89	103	47	23	51	83	61	50	43	47	35	65	697
"3	Patricroft (Eccles Sewage Works)	71	105	95	33	40	53	64	61	50	48	36	31	57	673
Lancs, C.1	Preston (Moor Park)	108	86	135	49	37	94	69	50	69	56	63	48	70	826
"1	Squires Gate (Blackpool Airport)	33	87	143	46	36	89	83	48	72	56	61	43	76	840
"1	Colne (Judge Fields)	559	75	135	34	17	82	73	53	87	82	101	55	80	874
Yorks, W.R. .7	Sheffield Waterworks (Rivelin)	564	91	113	76	20	54	104	85	46	48	50	24	81	792
"7	Langsett Reservoir	820	93	132	89	25	67	92	82	46	47	46	24	90	833
"9	Leeds (Farnley Hall)	405	59	123	57	16	69	75	72	43	44	42	25	80	705
"9	Leeds (Roundhay Park)	425	66	105	53	17	56	73	72	40	37	31	21	79	650
"9	Skipton (Town Hall)	367	62	136	41	17	79	66	66	50	54	65	30	80	746
Yorks, E.R. .3	Driffield Airfield	69	74	122	72	32	45	67	57	31	36	37	17	76	666
Yorks, N.R. .2	Dishforth Airfield	106	52	121	43	22	58	69	43	42	45	39	22	65	621
"2	Felixkirk (Mount St. John)	540	52	85	66	28	60	55	45	43	45	38	25	58	600
"2	Grinton Lodge	861	75	118	36	20	106	93	64	65	65	63	27	97	829
"2	Middlesbrough (South Bank)	41	42	71	55	23	48	47	29	32	31	26	20	51	475
"6	Darlington (Waterworks)	161	35	83	36	20	60	64	32	40	38	27	12	61	508
Durham1	Middleton St. George Airfield	93	48	85	50	28	77	60	47	43	46	32	23	71	610
"1	Acklington Airfield	138	48	70	84	43	67	63	43	31	35	31	19	72	606
Northumb. .5	Silloth Airfield	25	60	82	43	32	52	68	60	46	38	44	34	67	626
Cumberland .1	Keswick (High Hill)	254	87	137	34	49	106	75	52	81	82	92	37	103	935
"2	St. Bees Head Lighthouse	400	74	106	41	26	69	91	48	56	50	58	51	61	731

Table 5A. Duration of Rainfall at 145 Stations during 1958 (Monthly and Annual values) (continued)

County and River Division	Station	Height above Sea	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
Monmouth . . . 2	Tredegar (Bedwellty Park)	1028	86	145	49	31	101	87	83	96	108	100	60	136	1082
Glamorgan . . . 3	Swansea (Victoria Park)	32	73	97	25	14	69	74	73	71	81	55	59	69	760
" . . . 5	Rhose Airfield	220	60	98	21	25	69	62	42	81	62	66	67	98	751
" . . . 7	Cardiff (Penylan)	202	91	129	26	32	105	56	81	130	76	88	63	81	958
Cardigan 2	Aberporth	376	90	103	21	23	82	65	71	73	81	63	62	64	798
Brecknock . . . 4	Taf Fechan (Pontsticill)	1031	112	187	57	35	107	91	113	128	96	101	74	125	1226
" . . . 7	Swansea Waterworks (Cray Reservoir)	1043	118	177	48	33	138	85	96	87	115	95	67	111	1170
Caernarvon . . . 5	Snowdon (Cwm Dyli)	310	178	223	65	53	150	107	114	138	116	109	90	98	1441
Anglesey	Holyhead (Valley Airfield)	32	68	114	22	25	86	85	52	52	68	41	44	63	720
Isle of Man . . .	Ronaldsway Airport	55	77	102	33	30	54	72	40	60	49	47	39	72	675
Channel Islands	St. Peter (Jersey Airport)	273	100	98	67	23	54	45	19	55	31	48	56	59	655
Wigtown 3	West Freugh Airfield	52	80	100	54	44	59	89	63	76	56	45	49	84	799
Kirkcudbright 3	Dalry (Glenlee)	181	112	69	45	42	84	106	65	83	65	88	66	115	940
Dumfries 5	Eskdalemuir Observatory	794	114	122	69	67	101	102	93	92	79	73	56	112	1080
Berwick 3	Swinton House	200	24	51	68	40	41	59	52	39	36	27	20	79	536
Midlothian . . . 5	Midealder (Howden)	400	49	57	45	52	59	88	111	69	52	41	32	114	769
" . . . 5	Turnhouse (Edinburgh Airport)	114	36	72	66	49	54	93	100	69	47	27	29	102	744
Lanark 4	Crawford (Camps Reservoir)	969	87	76	26	45	69	74	84	67	53	52	27	75	735
" 5	Thorntonhall	453	66	86	39	38	60	77	78	68	44	46	23	79	704
" 5	Bothwell (Sewage Works)	112	60	63	25	36	61	76	84	71	53	36	19	76	660
Ayr 2	Prestwick Airport	30	66	102	43	35	51	71	73	55	35	47	22	64	664
Renfrew 2	Calder Water (Muirshiel Mill)	782	189	135	78	64	95	101	100	117	55	127	78	178	1317
" 2	Renfrew (Glasgow Airport)	26	82	76	32	40	70	71	84	70	48	56	26	99	754
" 3	Greenock (Prospect Hill)	199	106	77	49	47	73	71	82	74	53	79	41	105	857
Dunbarton . . . 3	Loch Sloy (Sloy Power Station)	40	140	85	58	94	111	73	106	125	81	137	84	169	1263
Stirling 1	Falkirk (Arncliffe)	101	86	62	67	31	91	64	86	85	39	52	39	132	834
Argyll 11	Loch Fyne (Lepinmore)	30	141	51	23	30	54	65	80	89	54	106	43	127	863
" 14	Tiree Airport	29	128	84	33	45	58	68	46	61	45	70	43	68	749
Fife 3	Leuchars Airfield	33	42	58	87	47	52	55	73	56	33	27	21	71	622
Aberdeen . . . 2	Dyce (Craibstone)	300	110	95	94	49	68	39	97	83	38	34	24	85	816
" 2	Dyce (Aberdeen Airport)	185	80	87	85	39	49	29	92	63	32	28	20	80	684
" 4	Rattray Head (Coastguard Station)	85	130	80	72	39	50	22	63	59	29	38	27	55	664
Moray 5	Kinloss Airfield	15	64	82	22	41	58	37	72	83	27	38	25	41	590
Inverness 5	Dalcross Airport	34	68	59	36	39	64	25	85	106	33	50	29	41	635
" 19	Benbecula Airport	18	132	74	43	40	69	56	24	69	52	76	61	64	760

Table 5A. Duration of Rainfall at 145 Stations during 1958 (Monthly and Annual values) (concluded)

County and River Division	Station	Height above Sea	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		ft.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
Ross and Cromarty .10	Stornoway Airport	11	124	84	54	48	87	35	25	69	49	63	50	49	737
Caithness .2	Wick Airport	119	100	110	58	40	61	25	48	73	29	55	33	68	700
Orkney .2	Grimsetter Airport	84	121	112	61	45	67	21	52	62	30	79	38	81	769
Shetland .5	Lerwick Observatory	269	147	85	52	41	95	20	69	81	46	70	56	80	842
Armagh .5	Seagahan Reservoir	525	89	112	37	34	59	91	71	87	71	46	35	85	817
Antrim .5	Aldergrove Airfield	220	86	107	55	43	54	113	74	65	71	35	47	90	840
Londonderry .5	Ballykelly Airfield	10	76	95	52	43	38	80	67	57	35	37	30	67	677

Table 5B. Mean Rate of Rainfall at 15 Stations during 1958 (Monthly and Annual values)

County and River Division	Station	Rain-fall 1958	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		in.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.	in. per hr.
London .2	St. Pancras (Camden Square)	32.96	.037	.038	.030	.052	.061	.078	.061	.091	.090	.069	.044	.054	.058
Suffolk .5	Mildenhall Airfield	26.24	.027	.031	.021	.026	.049	.059	.069	.051	.073	.046	.030	.042	.044
Devon, N. .2	Chivenor Airfield	39.87	.049	.041	.033	.035	.059	.052	.066	.077	.094	.075	.053	.056	.058
Gloucester .5	Bristol (Filton)	33.74	.044	.030	.021	.031	.059	.060	.053	.038	.107	.047	.036	.045	.047
Leicester .4	Loughborough (Nanpantan Reservoir)	31.39	.040	.048	.028	.042	.061	.062	.073	.066	.090	.063	.034	.061	.054
Yorks, N.R. .2	Dishforth Airfield	28.19	.038	.040	.036	.035	.053	.047	.048	.048	.072	.042	.026	.049	.045
Cumberland .2	Keswick (High Hill)	51.26	.073	.044	.036	.035	.047	.053	.062	.083	.079	.059	.033	.038	.055
Cardigan .2	Aberporth	42.48	.044	.039	.039	.030	.046	.053	.063	.058	.090	.059	.046	.051	.053
Caernarvon .5	Snowdon (Cwm Dylli)	116.98	.077	.088	.052	.084	.070	.056	.081	.071	.123	.106	.079	.075	.081
Dumfries .5	Eskdalemuir Observatory	55.04	.056	.041	.028	.037	.043	.037	.072	.066	.078	.064	.038	.048	.051
Argyll .14	Tiree Airport	38.50	.045	.042	.023	.046	.046	.048	.039	.051	.092	.058	.063	.068	.051
Aberdeen .2	Dyce (Aberdeen Airport)	36.71	.036	.044	.059	.042	.064	.051	.068	.043	.080	.056	.037	.063	.054
Ross and Cromarty .10	Stornoway Airport	37.88	.054	.042	.039	.037	.058	.043	.058	.047	.069	.059	.045	.064	.051
Shetland .5	Lerwick Observatory	38.76	.038	.027	.032	.040	.041	.032	.053	.043	.096	.069	.048	.049	.046
Antrim .5	Aldergrove Airfield	36.02	.040	.035	.027	.029	.051	.041	.053	.043	.057	.059	.034	.047	.043

6 Heavy Falls in Short Periods in 1958

Heavy falls of rain in short periods are of great importance because of the inconvenience or damage which they may cause. Information given in this section supplements that in Section 7, Heavy Falls on Rainfall Days, which deals with falls of longer duration and usually relates to widespread flooding rather than sudden damage over limited areas.

Table 6A indicates the classification used since January 1, 1936, and described in full in an article in Part IV of *British Rainfall* 1935. The diagram showing the full classification was printed in the volumes for 1935 to 1938.

A list of falls of "very rare" intensity lasting for *one hour or less* which were recorded between 1873 and 1938 was published in *British Rainfall* 1938, and a supplementary table giving similar data for the years 1939 to 1946 was printed in *British Rainfall* 1946. Table 6E includes details of "very rare" falls

from 1870 to 1935 which were of duration *two hours or less*. Values in italics indicate that a qualifying comment, regarding precision of measurement, was made on the original report. Data for the years 1936 to 1956 were published in Table 6E in *British Rainfall* 1957.

Table 6B gives particulars of falls recorded in 1958 which reached at least the intensity "noteworthy". In each case the entry gives the largest amount recorded with a mean intensity "noteworthy", "remarkable" or "very rare", an entry in the highest category being in general preferred. In a few cases longer falls, in a lower category, are also given, in italics. Entries are credited to the calendar day rather than the "rainfall day" and times quoted are G.M.T.

In Table 6B there are 160 entries compared with 53 in 1957 and an average of 56 for the 33-year period 1925-57. Of the 160 entries,

Table 6A. Lower Limits of Intense Rainfalls

Time	Noteworthy			Remarkable			Very Rare		
	Amount		Rate	Amount		Rate	Amount		Rate
min.	in.	mm.	in./hr.	in.	mm.	in./hr.	in.	mm.	in./hr.
5 or less	·43	10·9	5·16	·68	17·3	8·16	1·06	26·8	12·72
10 " "	·54	13·8	3·24	·85	21·6	5·10	1·31	33·2	7·86
20 " "	·68	17·3	2·04	1·06	26·8	3·18	1·61	40·9	4·83
30 " "	·77	19·7	1·54	1·19	30·3	2·38	1·82	46·2	3·64
40 " "	·85	21·6	1·27	1·30	33·2	1·95	1·98	50·3	2·97
50 " "	·91	23·2	1·09	1·40	35·6	1·68	2·12	53·8	2·55
60 " "	·97	24·5	·97	1·48	37·6	1·48	2·24	56·8	2·24
70 " "	1·01	25·7	·87	1·55	39·4	1·33	2·34	59·5	2·01
80 " "	1·05	26·8	·79	1·61	40·9	1·21	2·44	61·9	1·83
90 " "	1·09	27·8	·73	1·67	42·4	1·11	2·52	64·0	1·68
100 " "	1·13	28·8	·68	1·72	43·8	1·03	2·60	66·0	1·56
110 " "	1·16	29·6	·63	1·77	45·0	·97	2·67	67·8	1·46
120 " "	1·19	30·4	·59	1·82	46·2	·91	2·73	69·4	1·37

59 were for the period June to August, 11 more than the average. The remaining 101 occurred in September, 92 on the 5th.

Table 6c also includes falls which have reached a category "noteworthy" or higher, but these falls have been excluded from Table 6b either because there is some doubt about the magnitude or duration of the falls or because the duration is known to have exceeded two hours. Unless otherwise stated, entries in Tables 6b and 6c are referred to without distinction in the following descriptive text.

Thunderstorms were widespread over England and Wales on *June* 1st and there was heavy rain over southern England, the Midlands, East Anglia and Wales on the 2nd. Flooding was reported in South Wales, notably Cardiff and Port Talbot on the 1st, and from the Vale of Evesham and the Severn Valley on the 2nd. Further storms occurred on the 3rd, particularly in Cornwall where, with heavy rain over the North Cornwall Moors, the River Valency rose 15 ft. in 20 minutes and there was damage to property in Boscastle as the river overflowed its banks. Similarly the River Camel rose rapidly and overflowed, flooding Camelford and Wadebridge; the lower parts of the towns were 3 ft. under water. During these first three days of the month "noteworthy" falls were reported from Llansantffraid, Montgomeryshire, East Dereham, Norfolk, and Downton Castle, Herefordshire. East Anglia had further heavy falls on the 4th when there was flooding in the Gorleston and Wroxham areas, and again on the 6th, when flooding occurred in the Stour Valley. A heavy rainstorm on the evening of the 7th brought floods to the Manchester area. Streets in the Ardwick area were flooded to a depth of 3 ft., and trains were diverted because of floodwater, 4 ft. deep, on the track between Fallowfield and Wilbraham. Houses were inundated and roads damaged following a "remarkable" fall at Bo'ness, West Lothian, on the 9th. During heavy rain and thunderstorms over south-east England, including the London

area, on the 10th, a "noteworthy" fall was recorded at Tunbridge Wells. Only northern Scotland escaped rain on the 11th and 12th; and although falls were heavy in a large number of places, none were reported which reached the "noteworthy" category, nor did any of the heavy falls on the north Kent and Essex coasts on the afternoon of the 20th, although there was flooding at a number of points, flood water reaching a depth of 2 ft. in the market place at Margate. Few houses at Litton, West Riding, escaped damage by flood water during a "remarkable" fall on the 22nd when 2.07 inches fell in 2 hours, accompanied at times by heavy hail. Writing of the storm Mr. G. S. Sweeting stated that "huge boulders weighing one cwt. or more swirled down the becks and piled up along the banks. Smaller boulders and rock fragments spread over into adjoining fields for 50 yards, in places forming delta-like fans". Further heavy rain and hail showers with some thunderstorms were reported from most parts of the country on the 23rd and 24th, and from Scotland on the 25th. There was little damage or flooding on the 23rd but on the 24th flood damage occurred at Wrexham, Wigan and Dundee where a further storm caused renewed flooding within 24 hours. At Bodfari a "noteworthy" fall caused temporary flooding and much damage to fields of root crops. The 27th brought heavy hail and thunderstorms to south-east England following a period of more continuous rain in this area the previous day. Only one fall, that at Nayland, Suffolk, reached the "noteworthy" category.

There was rain over most of England and Wales during the first three days of *July*, but amounts were small in the extreme south-west. In places thunderstorms, accompanied by heavy rain and hail, followed periods of several hours continuous rain. Flooding was widely reported from both urban and rural areas in the Midlands, East Anglia, Lincolnshire and the West Riding, and to a lesser extent over Lancashire and North Wales. One of the most badly affected areas was Sheffield where

flooding was reported as the worst since the city's great flood in 1864 when the Dale Dyke reservoir burst its banks. Rain commenced during the early afternoon of the 1st and continued until noon the next day with only a break of little over an hour during the morning of the 2nd. Rain was heavy at times and some of the heaviest rain occurred over the Totley and Burbage Moors where, around midnight on the 1st-2nd more than 1 inch fell in less than 30 minutes. Fed by this heavy rain the River Sheaf burst its banks in a number of places, and there was flooding in the Millhouses, Abbeydale, Heeley and Lowfield areas. Further into the city where the Sheaf joins the Don, thousands of houses were flooded, bridges destroyed and the Midland Railway Station put out of action for several hours by flood-water and debris. Flood-waters subsided during the late morning, but with a further period of nearly 20 hours slight rain the Sheaf once again overflowed its broken banks and there was further flooding on a much reduced scale. Livestock were drowned and there was widespread damage to houses and business premises by flooding over a wide area of Derbyshire, particularly in the north, where the rainfall pattern followed that of the West Riding—more than 2 inches in many places on the 1st with heavy thunderstorms late in the day. The most seriously affected areas were the village of Hathersage, Poolsbrook and the Sheepbridge and Whittington areas of Chesterfield. The same rainfall pattern was preserved over Lincolnshire and parts of the East Riding. Damage to the crops was extensive and there was severe flooding in many parts of Lincolnshire. On the 3rd the heaviest storms occurred over the Midlands, the Welsh mountains and in Somerset. From this area six "noteworthy" falls were reported. There were also two "remarkable" falls, one at Shrewsbury and the other at Dobbins Lane, about 2 miles south of Wendover. Further heavy showers and thunderstorms followed in south-western districts between the 4th and 6th, but no falls

reached the "noteworthy" category. Mainly dry weather followed until the 10th, interrupted by some slight rain on the 9th. After rain between the 11th and 13th, generally showery weather followed in all areas until around the 20th. Showers were heavy at times with hail and thunderstorms. One "noteworthy" fall was reported from Bwlchyllan, Cardiganshire, on the 14th and from the Alcester area on the Worcestershire-Warwickshire border on the 15th, but from neither area was there any report of extensive damage or flooding. On the following day there were "remarkable" falls at Lingfield, Surrey, Cooling, Kent, and Royston, Hertfordshire, but from reports of purely local flooding and damage to standing crops, the storms appear to have affected only a very limited area. A small depression, moving east, brought rain to most districts of England and Wales on the 21st. In eastern England the rain was heavy and accompanied by thunder; a "noteworthy" fall was recorded at Rotherham, where torrential rain gave rise to widespread, but not serious, flooding for the second time within a few weeks. Showers affected most of Great Britain on the 22nd, and thunderstorms were again reported in east and south-east England; Boxted, Essex had a "noteworthy" fall and this was followed by a second "noteworthy" fall at this station within seven days.

The month of *August* opened with two showery days. Few areas escaped heavy rain, and thunderstorms were widespread, but only one fall, that at Larne, County Antrim, on the 1st, is known to have reached the "noteworthy" category. The storm produced no serious damage, although there was local and temporary flooding of the main roads in the immediate vicinity of the rainfall station. On the 10th, after one of the hottest days of the year, violent thunderstorms broke out over Sussex, Wales, the north Midlands, northern England and southern Scotland. Noteworthy falls were recorded at two points in Nottinghamshire, Kegworth and Nottingham, at Keswick, Cumberland and at Keele,

Staffordshire. During a "remarkable" fall at Waddington, Lincolnshire, 1.23 inches fell in 20 minutes. Some of the worst flooding on the 10th occurred in the central lowlands of Scotland and in Blackpool. One of the most seriously affected areas was the Mere Road district of Blackpool; flood water was waist deep here soon after the commencement of the hour-long storm. The Cricket Club's ground was flooded in a matter of minutes, water pouring onto the pitch from the surrounding roads; it was still under water the next morning. In the Castlemilk area of Glasgow flood water stretching 100 yards along one of the main roads reached a depth of 4 ft. at some points. A bus and car had to be abandoned in 5 ft. of flood water under a railway bridge at Hynland. Further east Falkirk, badly flooded in July, was again flooded, while at Bo'ness the streets were deep in running water after two hours of continuous thunder, lightning and heavy rain. Storms were again widely reported on the 11th and 12th, particularly from the south-east of England on the 12th, where there was much damage by lightning. Although there were few heavy falls of rain and relatively little damage by flood-water, hailstones nearly one inch in diameter caused severe local damage at Luton, Bedfordshire. Further widespread thunderstorms developed between the 19th and 22nd. Early in the period the storms were confined mainly to south-west England, South Wales, the Midlands and Norfolk. Torrential rain in Devon and Cornwall on the 19th closed many roads and caused damage to property over a wide area, the Cornwall County Fire Brigade receiving calls for assistance from flooded householders in St. Austell, Bude, Truro, Liskeard, Lostwithiel and Saltash. The most seriously affected area was along the Cornwall-Devon border, bounded by Bude, Holsworthy and Clovelly. The River Strat overflowed at Stratton drowning farm animals, washing away furniture and flooding the low lying parts of the village. At Derrill, near Holsworthy, a cottage was flooded to a depth of several feet and one wall

partly demolished by the weight of flood water. A timber and asbestos shop was washed away and 70 houses were flooded when a tributary of the River UMBER burst its banks at Coombe Martin, North Devon. In spite of the widespread nature of the heavy rain in Devon and Cornwall, only one "noteworthy" fall was reported from the two counties, at Truro where there was some flooding in the western side of the city. Further north-east "noteworthy" falls were reported from Bridgewater and Broomfield, Somerset. Bristol, also, was affected by heavy rain. Manhole covers were forced up by storm water, and flood-water up to a depth of 1 foot held up traffic. Flooding, in places to a depth of 6 feet, was reported from the Swansea area in Glamorgan, while landslides, collapsed bridges and blocked roads were reported from other parts of south and west Wales, particularly from Carmarthenshire. "Noteworthy" falls occurred at Salisbury, Wiltshire, where the most vulnerable points in the city were flooded, and also at Stonehouse, Gloucestershire. Storms on the 20th affected eastern and northern England and some southern counties of Scotland, while isolated storms were reported from Wales, mainly in the north; in Carmarthenshire, bridges were damaged and swept away for the second time in 24 hours. In Yorkshire, heavy rain was accompanied by thunder and three people were killed by lightning. High winds accompanied the storms. At Bradshaw, near Halifax, Yorkshire a whirlwind lifted a haystack, and at another farm, five poultry huts were carried over a farmhouse roof. In Lincolnshire, where a "remarkable" fall was recorded at Wold Newton, villagers in the wolds had to take refuge in the upstairs rooms of their houses when houses and roads were flooded to a depth of 4 feet in places. Mr. Parson Wright who maintains the rainfall station at Wold Newton Manor said that the storm could be compared in intensity with only two previous storms within his memory, one on May 29, 1920, the day of the catastrophic Louth flood, and the other in 1940. By the evening of the 20th the

storms had moved north to southern Scotland. Following very heavy rain, a landslide blocked the main Edinburgh–Carlisle railway line for a distance of more than 100 yards near Newcastleton, Roxburghshire. Flood water washed away parts of the main Glasgow–Carlisle road at Milnbank, Lanarkshire, leaving long stretches under water.

Torrential rain and thunderstorms were again reported from many parts of England and Wales on the 22nd. In the London area where a “noteworthy” fall was recorded at Golders Green, scores of houses were struck by lightning and there was much flooding, fire brigades receiving some 300 calls for assistance. Counties to the south of London were also affected. A landslip at Blackheath, following heavy rain, blocked railway lines and traffic was diverted for several hours. Another at Crowbridge partly blocked the Tunbridge Wells–Brighton line whilst at Brighton itself a “noteworthy” fall was recorded; some flooding was reported in the town and also in the nearby Shoreham area. In Kent the Medway villages of Snodland and Halling were flooded in places to a depth of 2 feet.

The storms of the London area also affected the adjacent counties of Middlesex and Hertfordshire where, in the latter county a “noteworthy” fall was recorded at Bishops Stortford. Very heavy rain fell in parts of Buckinghamshire, one storm at Brill reaching the “very rare” category.

Further west, damage and flooding were reported from the Cotswolds—at Stonehouse for the second time within a week—whilst rain and hail storms in Wiltshire included a “noteworthy” fall at Devizes Grammar School. A “remarkable” fall occurred at Curdridge, near Southampton, but no serious flooding was reported. In the extreme south-west the River Strat burst its banks for the second time in four days, inundating a holiday hotel at Stratton. More than forty houses in the village were also flooded, some to a depth of 5 feet. Nearby Bude was also flooded as was the village of Bridgerule, the lower part of which was under 4 feet of water for several

hours. Rather surprisingly, no falls recorded in the area were worthy of note.

Torrential rain and thunderstorms affected East Anglia, particularly Essex and Suffolk. A Colchester man was struck by lightning and killed on the local golf course during a storm which, at the nearby Waterworks, was of “noteworthy” intensity. Traffic on the main road from Great Yarmouth to London was diverted for 4 hours because of flooding at Kelsale, near Saxmundham, Suffolk. Intense rain commenced soon after noon and was followed by heavy rain until the early evening; the road was blocked to all traffic except heavy lorries until late evening. The village of Peasenhall, in the same area, was isolated as a stream of water 30 feet wide and 5 feet deep poured down the main street, overturning a small van. To the west of Saxmundham, at Sweffling, the worst flooding since 1924 was reported. Further south, a “noteworthy” fall was recorded at Campsea Ash, near Woodbridge.

The Midlands did not escape the thunderstorms and heavy rain which, commencing in the afternoon, continued late into the night. At one time all roads leading to Kenilworth were under water. In the Stechford area of Birmingham many houses were damaged by lightning and the main Birmingham to Coventry road was flooded, seriously delaying traffic. In the north-west of England, where storms reached their peak in the afternoon but continued into the evening, trains were diverted because sections of line were under water near Chester. Hundreds of buildings were flooded and houses struck by lightning during a violent storm over the Wirral. Families were marooned for more than an hour in Wallasey Village as water 3 feet deep swirled round their houses. Of the many areas of Lancashire from which storm damage was reported, the Wythenshawe area of Manchester probably suffered most—a girl was drowned when a bridge across a swollen stream was dislodged by flood-water and families in Moor Road were evacuated where houses were flooded to a depth of

4 feet. At Manchester Airport, about 3 miles to the south of Wythenshawe, a "noteworthy" fall was recorded. To the north of Manchester, at Bacup, the River Irwell overflowed its banks and flooded houses and shops in the town centre.

Storms were widespread in the West Riding. Miners temporarily abandoned the workings of a drift mine at Elsecar, near Barnsley, as flood water poured in from adjacent fields following torrential rain. Roofs and chimney stacks on a number of houses were damaged during a violent thunderstorm at Leeds, and at Harrogate, where a "very rare" fall was recorded during the early evening, rapid flooding occurred in low lying areas with some minor subsidence of roads.

Thunderstorms were reported from south and east Wales. A "noteworthy" fall at Presteigne, Radnorshire, caused much damage to crops and some temporary flooding.

Showers with scattered thunderstorms continued on the 23rd, 24th and 25th, but on a reduced scale. Minor flooding was reported in the south on the 24th, mainly in and around London but also from Salisbury, Wiltshire, where streets were flooded for the third time in 5 days. On the 25th, Camworthy near Bude, Cornwall, was flooded for the third time in 6 days: the usually quiet stream which runs through the village was turned into a raging torrent by the exceptionally heavy rain and at one time water in the main street was $3\frac{1}{2}$ feet deep.

Thunderstorms which moved north from France to south and south-east England on the 28th left a trail of damage from sudden flooding and lightning, particularly the latter. Power supplies to most of the Isle of Wight were cut off for nearly an hour following damage to overhead power lines on the mainland. Pedigree cattle were killed by lightning near Watford. Lightning injured a number of people in Essex, Bedfordshire and Norfolk. Flooding was also reported from these counties: at Norwich traffic was brought to a standstill and sections of the ring road were flooded to a depth of 1 foot.

Outbreaks of thundery rain which reached the South-West Approaches late on *September* 2nd, moved slowly north and east across Wales and into Northern Ireland and the west Midlands, thereafter decreasing in intensity, although there was some heavy rain in south-east England early on the 4th. The rain was accompanied by thunder and lightning in south-west Wales. Roads and houses were flooded and power supplies disrupted. In Llanfair Caereinion, Montgomeryshire, a lorry was washed down a hill by flood water, tore away part of the front wall of a house and finally came to rest blocking the main street. Many shops were severely damaged, and their contents washed out into the streets. Heavy rain was also reported from the Cotswolds on the 3rd. Torrential at times, the rain came as a most unwelcome break in a relatively dry spell which had given a chance to catch up with the delayed harvesting. Two "noteworthy" falls were reported on the 3rd, one from Lake Vyrnwy in Montgomeryshire and the other from across the county border with Shropshire, at Anchor, near Craven Arms.

Violent storms with heavy hail, accompanied in some places by gale force winds, reached the Isle of Wight early in the afternoon of the 5th and moved north-eastwards across south-east England reaching north Kent and Essex during the evening. Another belt of storms reached the Sussex coast late the same afternoon and moved rather more rapidly and on a more northerly track across Kent and into Essex where the two belts of storms effectively merged to bring the heaviest rainfall of the day to these areas, as shown on the map in Part III. In most places nearly all the rain credited to the 5th fell in two or three hours, setting a new record for the number of "noteworthy" falls or higher category falls reported in one day: these were, in fact, "noteworthy", "remarkable" and "very rare" falls. A full description of the storm is given in the *Meteorological Magazine* for October 1960 and in Part III of this volume.

The next falls worthy of note were recorded in widely separated areas on the 14th. There

were "remarkable" falls at Bwlchyllan, near Lampeter, Cardiganshire, and at Wye, Kent, while a "noteworthy" fall was reported from Bexhill, Sussex. Severe flood damage was reported from Aberayron, to the north of Bwlchyllan: minor flooding and some damage to soil structure occurred in the vicinity of Wye.

Table 6D gives frequencies of falls within stated categories for 33 stations which have been selected from those in Table 5A. The falls are not necessarily continuous nor are

they always confined to one calendar day. Not more than one fall of each specified amount is credited to any day; if more than the specified amount fell on any day, that part of it which fell in the shortest time is used for the table. An entry in any of the first four columns under the heading 5 mm. (0.2 inch) naturally recurs in the column or columns to the right, and there is a similar recurrence of the entries under the headings 10 mm. (0.4 inch), 15 mm. (0.6 inch), 20 mm. (0.8 inch) and 25 mm. (1.0 inch).

Table 6B. Heavy Falls in Short Periods in 1958

County and River Division	Station	Date	Amount	Began at	Duration	Rate
	(a) EYE OBSERVATIONS		in.	G.M.T.	min.	in./hr.
Cardigan.....2	Nantcwnlle (Bwlchyllan)	July 14	·65	17 50	15	2·60
Glamorgan .....3	Clydach	Aug. 19	1·56	12 55	20	4·68*
Nottingham .....2	Kegworth (Kingston Hall)	Aug. 10	·90	15 45	20	2·70
Somerset .....3	Broomfield (Higher Merridge) ...	Aug. 19	·85	13 05	20	2·55
Somerset .....3	Langport (Drayton)	July 3	·84	21 30	20	2·52
Sussex .....1	Chichester (West Street)	Sept. 5	·75	16 10	20	2·25
Dorset .....3	Dorchester (Queens Avenue)	Sept. 22	·73	13 50	20	2·19
Sussex .....2	Byeworth (Edgehill)	Sept. 5	1·09	17 05	25	2·62
Yorks, W.R. ....7	Wincobank (Sewage Works)	Aug. 22	1·00	17 00	25	2·40
Derby .....7	Breaston (Woodland Avenue)....	Aug. 10	·84	16 40	25	2·02
Sussex .....2	Kirdford (Hills Green)	Sept. 5	2·00	17 00	30	4·00†
Sussex .....1	Chichester (Apuldram)	Sept. 5	1·68	16 15	30	3·36*
Essex .....4	Rivenhall (Park Gate Farm)	Sept. 5	1·63	20 00	30	3·26*
Surrey .....2	Godstone (Pumping Station)	Sept. 5	1·42	18 00	30	2·84*
Sussex .....3	Upper Beeding (Sele Gardens) ...	Sept. 15	1·25	00 00	30	2·50*
Wiltshire .....1	Devizes Grammar School	Aug. 22	1·07	17 10	30	2·14
Worcester .....3	Alcester (Cookhill)	July 15	1·00	19 00	30	2·00
Lincoln .....2	Spalding (Surveyor's Depot)	Aug. 20	1·00	12 50	30	2·00
Norfolk .....1	East Dereham (The Laboratory) .	June 2	·90	18 00	30	1·80
Hampshire .....5	Hayling Island	Sept. 5	·80	16 00	30	1·60
Yorks, E.R. ....3	Skirlough	Aug. 24	·77	15 30	30	1·54
London .....2	Isle of Dogs (Island Gardens)....	Sept. 5	·84	18 37	33	1·53
Surrey .....5	Reigate (Wray Park Road)	Sept. 5	1·83	17 45	35	3·14*
London .....1	Tooting Bec (Moring Road)	Sept. 5	·90	18 55	35	1·54
Kent .....5	Erith (Crossness)	Sept. 5	1·68	18 50	37	2·72*
Gloucester .....2	Tytherington (Keven)	July 3	·95	18 45	39	1·46
Kent .....5	Erith (Sewage Works)	Sept. 5	1·67	19 25	40	2·51*
London .....2	Barking Outfall	Sept. 5	1·41	18 45	40	2·11*
Huntingdon ....1	St. Ives (Tenterleas)	Sept. 5	1·04	14 50	40	1·56
Surrey .....5	Merstham (Merstham Lodge) ...	Sept. 5	1·00	18 00	40	1·50
Hertford .....2	Chorleywood (Berry Lane)	July 3	·91	17 10	40	1·36
Kent .....5	Bromley	Sept. 5	2·30	18 18	45	3·07†
Shropshire ....3	Shrewsbury (Bicton Heath)	July 3	1·49	15 45	45	1·99*
Surrey .....5	Mickleham	Sept. 5	1·20	17 45	45	1·60
Sussex .....3	Worthing (Ferring)	Aug. 12	1·09	14 30	45	1·45
Kent .....4	Tunbridge Wells (Hurstwood La.)	June 10	1·07	12 40	45	1·43
Yorks, E.R. ....3	Hull (Springhead)	July 2	1·01	00 15	45	1·35
Nottingham .....5	Nottingham (The Castle)	Aug. 10	·93	16 45	45	1·04
Yorks, W.R. ....7	Sheffield (Norton Lees)	Aug. 22	·92	17 13	47	1·17
Surrey .....4	Caterham (White Knobs Way) ..	Sept. 5	2·15	18 00	50	2·58†
Surrey .....4	Caterham (Dome Hill Peak)	Sept. 5	1·61	17 40	50	1·93*
Kent .....5	Penge Recreation Ground	Sept. 5	1·55	18 10	50	1·86*
Buckingham ....2	Wendover (Dobbins Lane)	July 3	1·31	15 15	55	1·43*
Surrey .....4	Carshalton (Pumping Station) ...	Sept. 5	1·04	17 50	55	1·13
Sussex .....2	Midhurst (June Lane)	Sept. 5	1·72	16 20	56	1·84*
Sussex .....4	Horsted Keynes (Cinder Hill) ...	Sept. 5	2·33	18 40	60	2·33†
Somerset .....3	Kingston St. Mary (Yarford Orc.)	July 4	2·09	15 00	60	2·09*
Cornwall .....2	Liskeard (Minions)	Aug. 19	1·90	12 30	60	1·90*
Lancashire, S. ...3	Bury (Sewage Works)	Aug. 22	1·89	13 40	60	1·89*
Hertford .....4	Royston (East Brooklands)	July 16	1·70	14 00	60	1·70*

* "Remarkable" fall.

† "Very Rare" fall.

Table 6B. Heavy Falls in Short Periods in 1958 (continued)

County and River Division	Station	Date	Amount	Began at	Duration	Rate
(a) EYE OBSERVATIONS						
<i>(continued)</i>						
			in.	G.M.T.	min.	in./hr.
Sussex .....1	Bosham (Cobnor)	Sept. 5	1.68	15 40	60	1.68*
Hampshire .....5	Curdrige (Sunnyside)	Aug. 22	1.57	15 00	60	1.57*
Middlesex .....1	Hampstead Gdn. Sub. (Hurst Cl.)	Aug. 22	1.48	11 00	60	1.48
Essex .....4	Bradwell-on-Sea (Bellropes)	Aug. 22	1.44	10 15	60	1.44
Worcester .....2	Halesowen (Furnace Hill)	Sept. 6	1.35	00 30	60	1.35
Suffolk .....3	Campsea Ash	Aug. 22	1.30	11 20	60	1.30
Essex .....6	Nayland (Horkesley Park)	June 26	1.23	13 00	60	1.23
Nottingham .....5	Beeston (Bramcote Drive)	Aug. 10	1.11	16 30	60	1.11
Kent .....4	Hartlip (Matts Hill Pumping Stn.)	Sept. 5	1.11	20 00	60	1.11
Sussex .....2	Rudgwick (Swaynes)	Sept. 5	1.10	17 00	60	1.10
Essex .....3	Thorpe Bay	Sept. 5	1.03	20 30	60	1.03
Somerset .....2	Bridgwater (Puriton)	Aug. 19	1.00	09 45	60	1.00
Cornwall .....2	Truro Waterworks (L. Tregurrow)	Aug. 19	1.25	12 15	65	1.15
Yorks, W.R. ...11	Harrogate (Bilton Sewage Works)	Aug. 22	2.50	16 05	70	2.14†
Cheshire .....1	High Lane (Light Alders Farm) ..	Aug. 21	1.27	18 30	70	1.09
Essex .....2	Theydon Bois (Thriffs Hill)	Sept. 5	1.13	18 30	70	.97
Sussex .....1	West Dean Park	Sept. 5	2.36	16 00	75	1.89*
Sussex .....1	Chidham (Chidmere)	Sept. 5	1.63	16 00	75	1.30*
Essex .....1	White Roding (Colville Hall)	Sept. 5	1.25	20 00	75	1.00
Gloucester .....3	Stonehouse (Wycliffe College) ...	Aug. 22	1.22	16 00	75	.98
Essex .....2	Canvey Island	Sept. 5	1.11	20 15	75	.89
Cheshire .....3	Bidston (The Woodlands)	Aug. 22	1.05	07 45	75	.84
Hereford .....1	Presteigne (Middlemoor)	Aug. 22	1.04	14 00	75	.82
Kent .....5	Horton Kirby (Court Lodge)† ...	Sept. 5	> 3.50	18 00	90	2.33†
Essex .....3	Wickford (Dollymans Farm)	Sept. 5	3.27	19 30	90	2.18†
Essex .....2	Grays (Connaught Av. Depot) ...	Sept. 5	2.35	18 30	90	1.57*
Sussex .....1	Chichester (Sewage Dis. Works) .	Sept. 5	2.20	15 30	90	1.47*
Essex .....4	Hatfield Peverel (Lower Farm) ..	Sept. 5	2.19	19 30	90	1.46*
Kent .....2	Ashford (Gasworks)	Sept. 15	2.15	00 00	90	1.43*
Kent .....5	Cobham (Jeskyns Court)	Sept. 5	2.15	19 00	90	1.43*
Essex .....4	Witham (Faulkbourne)	Sept. 5	2.00	20 30	90	1.33*
Sussex .....1	Chichester (Funtington Pump. Stn.)	Sept. 5	1.57	15 30	90	1.05
Gloucester .....3	Stonehouse (Wycliffe College) ...	Aug. 19	1.25	15 00	90	.83
Warwick .....1	Alcester (The Pleck)	July 15	1.22	18 50	90	.81
Shropshire .....3	Anchor (Kerry Forest)	Sept. 3	1.13	15 00	90	.75
Essex .....4	Bocking Church Street	Sept. 5	1.13	19 30	90	.75
Kent .....5	Dartford (Christchurch Road) ...	Sept. 5	2.94	18 40	95	1.86†
Cardigan .....2	Nantcwnlle (Bwlchyllan)	Sept. 14	2.16	21 10	100	1.30*
Kent .....5	Meopham Pumping Station	Sept. 5	3.43	18 30	105	1.96†
Kent .....5	Wilmington (Orchard Way)	Sept. 5	2.74	18 30	105	1.56†
Sussex .....7	Forest Row (Rystcot)	Sept. 5	1.99	18 15	105	1.14*
Hereford .....2	Downton Castle (Estate Office) ..	June 2	1.37	14 15	105	.78
Kent .....4	Edenbridge (Pumping Station) ...	Sept. 5	3.16	18 00	110	1.72†
Kent .....5	Erith (Crossness)	Sept. 5	2.04	18 40	110	1.11*
Kent .....5	Penge (Recreation Ground)	Sept. 5	1.73	18 10	110	.94
Kent .....5	Seal (Kemsing Pumping Station) .	Sept. 5	2.43	18 30	115	1.27†
Essex .....2	East Ham (Sewage Works)	Sept. 5	1.71	17 45	115	.89
Kent .....5	Sevenoaks (Cramptons Road P.S.)	Sept. 5	3.78	18 30	120	1.89†
Kent .....5	Sevenoaks (Oak Lane)	Sept. 5	3.36	18 30	120	1.68†

* "Remarkable" fall.

† "Very Rare" fall.

‡ Gauge overflowed.

Table 6B. Heavy Falls in Short Periods in 1958 (*continued*)

County and River Division	Station	Date	Amount	Began at	Duration	Rate
(a) EYE OBSERVATIONS						
<i>(continued)</i>						
			in.	G.M.T.	min.	in./hr.
Essex .....2	Tilbury (Grays Sewage Works) ..	Sept. 5	3.17	19 00	120	1.58†
Essex .....4	Chelmsford (Galleywood)	Sept. 5	2.98	19 15	120	1.49†
Kent .....5	Farnborough	Sept. 5	2.95	18 20	120	1.47†
Essex .....2	Coryton	Sept. 5	2.63	19 00	120	1.31*
Essex .....3	Battlesbridge	Sept. 5	2.33	19 00	120	1.17*
Kent .....5	Keston (Westerham Road)	Sept. 5	2.24	18 15	120	1.12*
Sussex .....7	East Grinstead (Standen)	Sept. 5	2.14	18 00	120	1.07*
Lincoln .....4	Wold Newton Manor	Aug. 20	2.13	11 00	120	1.07*
Shropshire .....4	Newport (Chetwynd Park)	Aug. 10	1.96	15 30	120	.98*
Essex .....3	Rayleigh (Alanbank)	Sept. 5	1.80	19 00	120	.90
Surrey .....4	Croydon (Northampton Road) ..	Sept. 5	1.75	17 00	120	.87
Essex .....2	Orsett Hall	Sept. 5	1.57	18 00	120	.79
Essex .....3	Potton Island	Sept. 5	1.57	20 00	120	.79
Essex .....3	Burnham (Fisheries Laboratory) ..	Sept. 5	1.55	20 00	120	.77
London .....1	Deptford (Telegraph Hill)	Sept. 5	1.50	18 00	120	.75
Devon, S. ....6	Shillingford Rectory	June 6	1.39	14 00	120	.69
Sussex .....3	Brighton Waterworks (Shoreham)	Aug. 22	1.35	07 00	120	.67
Middlesex .....1	Harrow (Oakhurst)	Sept. 3	1.27	19 00	120	.63
Kent .....4	Chatham (Luton Waterworks) ...	Sept. 5	1.22	19 00	120	.61
Essex .....4	Little Leighs (Kelle)	Sept. 5	1.22	20 00	120	.61
Antrim .....2	Larne (Ballycarry)	Aug. 1	1.20	12 00	120	.60
(b) AUTOGRAPHIC RECORDS						
Surrey .....5	Earlswood (Sewage Farm)	Sept. 5	.90	17 47	15	3.60
Stafford .....3	Keele (Univ. College of N. Staffs.)	Aug. 10	.70	16 03	15	2.80
Surrey .....2	Lingfield (Sewage Works)	Sept. 5	.83	19 33	17	2.93
Somerset .....3	Bickenhall	July 3	.67	21 52	18	2.22
Surrey .....2	Lingfield (Sewage Works)	July 16	1.10	15 18	22	3.00*
Surrey .....4	Coulsdon (Midday Sun Allot.) ...	Sept. 5	1.14	18 06	25	2.74*
Kent .....4	Gillingham	Sept. 5	1.12	20 05	25	2.69*
London .....1	Deptford (Pumping Station)	Sept. 5	.99	18 20	30	1.98
Kent .....4	Strood (Waterworks)	Sept. 5	.92	18 55	35	1.58
Hertford .....3	Bishops Stortford (Castle Mound)	Aug. 22	.90	13 30	35	1.54
Surrey .....5	Dorking (Pixham Lane S.W.)	Sept. 5	1.45	17 29	37	2.35*
Surrey .....4	Caterham (Alderstead Heath) ...	Sept. 5	1.57	18 22	38	2.48*
Lincoln .....3	Waddington	Aug. 10	1.26	17 55	38	1.99*
Essex .....3	Shoeburyness	Sept. 5	1.38	20 32	39	2.11*
Cheshire .....1	Ringway (Manchester Airport) ...	Aug. 22	.98	14 09	39	1.51
Kent .....5	Bexleyheath (Danson Park)	Sept. 5	2.44	18 30	40	3.66†
London .....1	Eltham (High Street)	Sept. 5	1.62	18 15	40	2.43*
London .....1	Forest Hill Reservoir	Sept. 5	1.50	18 20	40	2.25*
Surrey .....5	Leatherhead (Elmer Softening W.)	Sept. 5	.87	18 00	40	1.31
Sussex .....5	Bexhill (Egerton Park)	Sept. 14	1.20	23 05	45	1.60
Surrey .....4	Croydon Airport	Sept. 5	1.51	17 52	48	1.89*
London .....1	Greenwich (Maritime Museum) ..	Sept. 5	1.34	18 20	50	1.61
Shropshire .....4	Oswestry (Llwyn Terrace)	Aug. 10	.99	16 09	51	1.16
Derby .....6	Burbage (Lower Burbage)	July 2	1.33	00 09	54	1.48
Essex .....4	Chelmsford (Sandford Mill)	Sept. 5	2.73	19 12	58	2.82†
Sussex .....7	Weir Wood Reservoir	Sept. 5	2.50	19 50	60	2.50†

* "Remarkable" fall.

† "Very Rare" fall.

Table 6B. Heavy Falls in Short Periods in 1958 (*concluded*)

County and River Division	Station	Date	Amount	Began at	Duration	Rate
(b) AUTOGRAPHIC RECORDS (<i>continued</i>)						
			in.	G.M.T.	min.	in./hr.
Cumberland2	Keswick (High Hill)	Aug. 10	1.42	17 40	60	1.42
Montgomery5	Lake Vyrnwy (Experimental Stn.)	Sept. 3	1.35	13 36	60	1.35
Wiltshire3	Salisbury (Sewage Works)	Aug. 19	1.17	21 30	60	1.17
Lancashire, S.2	Speke	Aug. 20	1.15	09 00	60	1.15
Essex5	Colchester (Waterworks)	Aug. 22	1.10	11 03	90	.73
Kent5	Dartford (Central Park)	Sept. 5	2.76	18 30	102	1.62†
Surrey2	Limpsfield and Oxted Sewage W.	Sept. 5	1.65	17 55	110	.90
Surrey4	Kenley (Refuse Disposal Works)	Sept. 5	2.02	18 12	114	1.06*
Surrey4	Caterham (Alderstead Heath)	Sept. 5	1.69	18 22	114	.89
Kent5	Bexleyheath (Danson Park)	Sept. 5	2.88	18 25	120	1.44†
Yorks, W.R.10	Litton (Manor Cottage)	June 22	2.07	15 05	120	1.03*
Essex2	Ilford (Valentines Park)	Sept. 5	1.69	18 45	120	.85
Surrey4	Purley (Oaks Depot)	Sept. 5	1.61	19 09	120	.81
Surrey6	Shottermill (Sewage Works)	Sept. 5	1.35	16 36	120	.67
Surrey4	Coulsdon (Midday Sun Allot.)	Sept. 5	1.35	18 00	120	.67
Surrey4	Woodcote Park (Golf Club)	Sept. 5	1.20	17 55	120	.60

* "Remarkable" fall.

† "Very Rare" fall.

Table 6C. Heavy Falls in Short Periods in 1958. Supplementary List

County and River Division	Station	Date	Amount	Duration	Category
			in.	hr. min.	
Montgomery5	Llansantffraid (Pen-y-Sarn)	June 1	.90	45	N
Flintshire2	Bodfari (Nantlys)	June 24	c. 1.25	c. 45	N
Norfolk2	Edingthorpe (The Warren)	July 1	1.59	3 0	N
Kent5	Cooling	July 16	2.18	1 11	R
Buckingham3	Slough (Upton)	July 16	1.33	c. 2 0	N
Yorks, W.R.7	Rotherham (Broom Lane)	July 21	c. 1.25	1 10	N
Essex6	Nayland (Boxted)	July 22	1.31	1 0	N
Essex6	Nayland (Boxted)	July 29	1.06	1 15	N
Devon, S.5	Chagford (Thornworthy)	Aug. 19	1.20	c. 2 0	N
Warwick4	Minworth Greaves	Aug. 22	3.15	5 0	R
		Aug. 22	c. 3.15	2 0	VR
Essex4	Great Bardfield (Great Lodge)	Aug. 22	2.50	3 0	R
Buckingham2	Brill (C.E. School)	Aug. 22	c. 2.05	45	VR
Yorks, W.R.7	Wincobank (Sewage Works)	Aug. 22	1.00	25	N
Kent5	Knockholt (Kent W.W.)	Sept. 5	5.14	c. 2 0	VR
Kent5	Sevenoaks (Chevening Gardens)	Sept. 5	3.55	2 30	VR
Kent5	Sidcup	Sept. 5	2.50	20	VR
Essex2	Rainham (Riverside Sew. Works)	Sept. 5	2.38	1 30	R
Essex2	Dagenham (Marley School)	Sept. 5	1.96	2 30	R
Essex4	Margaretting (Writtle Park)	Sept. 5	c. 1.90	2 30	N
London1	Woolwich	Sept. 5	1.80	41	R
Kent4	Mark Beach (Horseshoe Green)	Sept. 5	1.80	2 5	N
London1	Eltham	Sept. 5	1.62	40	R
Gloucester3	Chalford Hill	Sept. 5	.50	30	N
Devon, S.6	Shillingford (Rectory)	Oct. 3	1.45	c. 2 0	N

Table 6E. "Very Rare" Falls, 1870-1935

Year	Date	County and River Division	Station	Amount	Duration	Rate
				in.	min.	in./hr.
1870	Aug. 2	Aberdeen 1	Braemar	2·10	45	2·80
1872	July 26	Lancs, N. 4	Lancaster (Caton)	2·50	45	3·33
1873	July 28	Kincardineshire 1	Fettercairn	2·60	60	2·60
1874	July 11	Kent 4	Tonbridge	3·00	120	1·50
1875	June 29	Bedford 3	Cardington	2·50	60	2·50
	July 22	Wiltshire 1	Trowbridge (Sunnyside)	2·53	60	2·53
	Aug. 7	Kent 2	Harbledown	2·12	20	6·36
1876	July 16	Shropshire 3	Wenlock (Staunton Long Vic.) ..	2·65	105	1·51
1878	June 23	London 2	Camden Square	3·28	90	2·19
	June 23	Essex 1	Leyton Observatory	3·10	120	1·55
	July 23	Wiltshire 3	Pewsey	2·68	105	1·53
1880	July 22	Glamorgan 5	Cowbridge (Ash Hall)	2·90	30	5·80
	Sept. 15	Yorks, W.R. ... 7	Wath-upon-Dearne	3·00	120	1·50
1882	July 1	Somerset 1	Bath	1·90	30	3·80
1883	June 4	Kent 2	Ashford (Westwell)	2·65	90	1·77
1886	July 25	Cheshire 1	Sale (Brooklands)	2·58	60	2·58
	July 25	Yorks, W.R. ... 8	Wakefield (Stanley Vicarage)	2·50	60	2·50
1888	July 30	Norfolk 2	Aylsham (Woodgate)	3·09	100	1·85
	Aug. 1	Berkshire 3	Sandhurst Rectory	3·00	120	1·50
1889	June 7	Kent 4	Tonbridge (Ferndale)	2·60	60	2·60
	July 12	Bedford 2	Luton (Pumping Station)	3·16	70	2·71
	July 13	Warwick 1	Henley-in-Arden (Barrells)	3·64	65	3·36
1892	July 16	Somerset 2	Flax Bourton (Tyntesfield)	3·75	120	1·87
1893	July 3	Northampton... 4	Apethorpe Lodge	2·47	60	2·47
	July 11	Norfolk 1	Fakenham (Cranmer Hall)	2·40	75	1·92
	Aug. 10	Lancs, C. 1	Preston (Corporation Offices)	1·25	5	15·00
	Aug. 10	Lancs, C. 1	Preston (Corporation Offices)	2·09	35	3·58
1894	July 25	Yorks, W.R. ... 6	Tickhill (Sandbeck Park)	1·82	30	3·64
	Sept. 23	Buckingham ... 3	High Wycombe	2·75	90	1·83
1895	June 26	Wiltshire 5	Marlborough	2·71	50	3·25
	June 26	Worcester 1	Worcester (Diglis Lock)	2·75	60	2·75
	June 26	Montgomery ... 4	Churchstoke (Mellington Hall) ...	4·80	120	2·40
	June 27	Yorks, E.R. ... 3	Middleton-on-the-Wolds	2·00	30	4·00
1896	July 7	Yorks, N.R. ... 5	Guisborough (Hutton Hall)	3·07	75	2·46
1897	June 24	Bedford 2	Luton (Pumping Station)	1·65	20	4·95
	June 30	Yorks, W.R. ... 6	Tickhill	2·60	80	1·95
	July 20	Devon, S. 5	Chudleigh (Torquay W.W.)	2·75	70	2·36
	July 20	Wiltshire 3	Warminster (Rye Hill)	2·75	80	2·06
	July 21	Suffolk 2	Ipswich (Bishop's Hill)	2·95	60	2·95
1899	July 22	Dorset 3	Dorchester Waterworks	2·56	60	2·56
	July 23	Glamorgan 5	Barry W.W. (Biglis)	2·50	70	2·14
	July 23	Hampshire 5	Portsmouth (Milton)	3·25	120	1·63
1900	July 2	Kirkcudbright . 2	Glenhead of Trool	3·20	120	1·60
	July 12	Yorks, W.R. ... 10	Ilkley	3·75	75	3·00
	Aug. 20	Surrey 4	Caterham Valley (Bradenhurst) ..	2·30	45	3·07
1901	July 12	Berkshire 3	Maidenhead (Lowood)	3·63	60	3·63
	July 25	London 2	Camden Square	2·20	55	2·40
	July 25	Surrey 6	Farnham (Short Heath Lodge) ..	3·23	120	1·61
	July 29	Sussex 7	Wadhurst (Lower Cousley Wood) ..	3·25	55	3·55
	July 29	Oxford 4	Watlington (Pyrton Manor)	2·10	53	2·38

Table 6E. "Very Rare" Falls, 1870-1935 (*continued*)

Year	Date	County and River Division	Station	Amount	Duration	Rate
				in.	min.	in./hr.
1901	Aug. 10	East Lothian ...5	North Berwick Reservoir.....	3.00	120	1.50
	Aug. 10	Roxburghshire .3	Lilliesleaf (Riddell)	2.79	120	1.39
1902	July 1	Suffolk .....2	Ipswich (The Chantry).....	3.36	120	1.68
	Sept. 10	Surrey .....5	Surbiton (Vronvelin)	2.00	30	4.00
	Sept. 10	Surrey .....6	Weybridge (Heath Field).....	3.10	90	2.07
	Sept. 11	Essex .....5	Fingringhoe (Ballast Quay Farm)	3.41	120	1.71
1903	May 30	Surrey .....4	Beddington Corner (Millgreen) ..	3.50	60	3.50
	May 30	Surrey .....4	Wallington (Cotswold)	2.77	65	2.56
	June 11	Bedford.....3	Bedford (Milton Ernest)	2.77	90	1.85
	July 18	Stafford.....1	Betley Hall	2.53	50	3.04
	July 19	Hampshire .....7	Alton (Shalden Manor)	3.21	90	2.14
1904	July 24	Yorks, W.R. ...8	Slaithwaite (Inglewood)	2.36	60	2.36
	July 27	Kent .....5	Cooling (Broomy Farm)	2.66	45	3.55
1905	July 9	Middlesex .....2	Enfield (Carisbrooke).....	2.44	50	2.93
1907	July 21	Somerset .....1	Bath (Somerset Place)	2.49	70	2.13
1908	June 3	Montgomery ...5	Newtown (Gregynog House)	2.89	120	1.45
1909	June 1	Kirkcudbright ..3	Carsphairn (Shiel)	2.71	60	2.71
	July 25	Fifeshire .....3	St. Andrews (South Street)	2.81	120	1.41
	Sept. 29	Devon, N. ....1	Ilfracombe Reservoir	2.50	45	3.33
1910	June 9	Berkshire .....4	Caversham (Hemdean Road)	2.50	70	2.14
	June 9	Oxford .....4	Henley-on-Thames (Peppard) ...	2.93	90	1.95
1911	May 13	Yorks, N.R. ...3	Haxby (Moorlands)	3.25	120	1.63
	May 26	Hampshire .....5	Fareham (The Mount).....	3.00	60	3.00
	May 26	Hampshire .....5	Fareham (Cams Hall)	3.22	120	1.61
	May 26	Hampshire .....5	Fareham (Roche Court)	2.92	120	1.46
	May 27	Devon, S. ....2	Beer Alston (Rumleigh).....	2.61	90	1.74
	May 31	Surrey .....5	Epsom (Ashley Road)	2.44	50	2.93
	July 28	Gloucester .....7	Barrington Grove	2.26	60	2.26
	July 28	Middlesex .....2	Ponders End (Bylock Hall)	2.75	115	1.43
1912	July 12	Derby .....6	Baslow (The Beeches).....	2.20	40	3.30
	July 13	Suffolk .....1	Sudbury (Cornard Road)	2.01	40	3.01
1913	June 17	Suffolk .....5	Elveden Hall	2.85	58	2.95
	June 17	Lincoln .....2	Crowland (Bank House)	2.21	55	2.41
	June 17	Huntingdon ...1	Great Paxton	2.80	90	1.87
	Sept. 16	Northumberland 3	Newcastle (Town Moor)	2.65	90	1.77
1914	June 14	Surrey .....5	Richmond Park (Thatched Ho. L.)	2.70	90	1.80
	June 14	Surrey .....5	Richmond Park (Thatched Ho. L.)	3.20	120	1.60
	July 1	Shropshire .....4	Bridgnorth (Coton Hall)	3.10	120	1.55
	Aug. 14	Channel Islands..	Guernsey (St. Martin's Road) ...	1.50	15	6.00
1915	May 6	London .....2	Finsbury (New River Head)	3.12	90	2.08
	June 30	Suffolk .....5	Mildenhall	2.63	50	3.16
	July 4	Monmouth .....3	Abergavenny (The Chain)	2.20	30	4.40
	July 4	Oxford .....3	Hampton Poyle Rectory	2.91	65	2.69
	Aug. 12	Cumberland ....1	Carlisle (Scaleby Hall)	2.75	90	1.83
1917	June 16	London .....2	Hammersmith (The Creek)	2.75	90	1.83
	June 16	London .....2	Camden Square	2.75	113	1.46
	June 16	London .....2	Hammersmith Cemetery	3.10	120	1.55
1918	May 17	Stafford.....3	Stafford (Rising Brook)	2.27	60	2.27
	July 17	London .....1	Bermondsey (Shad Thames P. S.)	2.07	30	4.14
1920	May 25	Essex .....1	Hatfield Broad Oak (Barrington).	2.79	45	3.72

Table 6E. "Very Rare" Falls, 1870-1935 (concluded)

Year	Date	County and River Division	Station	Amount	Duration	Rate
				in.	min.	in./hr.
1924	May 26	Surrey .....5	Barnes (Castlenau)	2.56	70	2.19
	May 29	Lancs, C. ....2	Leyland (Worden Hall)	1.65	20	4.95
	May 29	Lincoln .....4	Louth (Hallington)	4.10	120	2.05
	May 31	Hereford .....1	Humber Rectory	2.99	105	1.71
	July 22	Surrey .....6	Guildford (Abbotswood)	2.39	57	2.52
1926	July 22	Surrey .....6	Wisley (R.H.S. Gardens)	4.07	120	2.03
	July 17	Somerset .....1	High Littleton Vicarage	2.99	120	1.49
1927	July 10	Hampshire .....4	Lyndhurst (Annesley Bank)	2.70	90	1.80
	July 10	Hampshire .....4	Lyndhurst (Allum Green)	2.84	120	1.42
	July 11	London .....2	Hammersmith (Pumping Station) ..	2.00	36	3.33
	July 11	London .....2	Kensington (Campden Hill)	2.00	38	3.16
	July 11	London .....2	Kensington (Holland House)	3.35	75	2.68
	July 11	Stafford.....2	Kinver (Prestwood)	2.94	100	1.76
1928	Aug. 14	Ayrshire .....5	Ayr (Doonholm)	1.83	30	3.66
	Aug. 1	Kent .....4	Ashurst Park	2.11	45	2.81
1930	Apr. 25	Yorks, W.R. ..10	Ilkley (Ben Rhydding)	1.84	30	3.68
	June 17	Nottingham ....5	Welbeck Abbey	2.78	60	2.78
	June 18	Nottingham ....5	Langold (Council School)	2.02	35	3.46
	June 14	Stafford.....3	Cannock (Sewage Works)	2.35	38	3.71
1931	July 7	Shropshire .....3	Burwarton Hall	3.04	120	1.52
	July 11	Lincoln .....3	Cranwell Airfield	2.93	60	2.93
1932	Aug. 12	Hertford .....2	Rickmansworth (Valley Road) ..	2.24	45	2.99
	Aug. 20	Worcester .....1	Malvern (The Library)	1.86	20	5.58
	Aug. 21	Brecknockshire .8	Glasbury (Gwernyfed Park)	2.25	60	2.25
	June 15	Hampshire .....5	Ovington Rectory	2.37	60	2.37
1933	June 21	Somerset .....7	Temple Combe Rectory	2.75	45	3.67
	June 22	Devon, S. ....6	Poltimore Rectory	2.25	45	3.00
	June 24	Hampshire .....9	Silchester House	2.50	25	6.00
	June 24	Norfolk.....1	Spooner Row (Wattleford Hall) ..	2.05	45	2.75
	July 21	Kent .....4	Chatham (Woolman's Wood) ...	2.11	30	4.22
	July 21	Kent .....4	Maidstone (Brenchley Gardens) ..	2.25	45	3.00
1934	Sept. 26	Wiltshire .....1	Chippenham (Monkton Park) ...	4.31	120	2.15
	July 12	Denbighshire ...3	Bettws-y-Coed (Rhydycrena)	3.18	120	1.59
	July 13	Denbighshire ...1	Wrexham (Waterworks Office) ..	2.75	60	2.75
	July 18	Warwick.....1	Stratford-on-Avon (Milcote)	2.25	25	5.40
	July 18	Warwick.....1	Rugby (Bilton Grange)	2.95	70	2.53
	July 18	Warwick.....1	Dunchurch Hall	2.92	105	1.67
	July 22	Kent .....5	West Wickham (Oak Lodge)	3.75	80	2.81
	July 22	Kent .....5	West Wickham (Woodland Way) ..	4.55	100	2.73
1935	June 25	Surrey .....5	Sutton (Sewage Works)	2.10	40	3.15
	June 25	Wiltshire .....1	Melksham (Beechfield)	2.50	60	2.50
	June 25	Monmouth ....3	Portskewett (Sudbrook)	2.77	70	2.37
	June 25	Wiltshire .....1	Seend (Ferrum Towers)	2.85	105	1.63
	June 25	Surrey .....5	Ewell (Stoneleigh Park)	3.25	120	1.63
	June 25	Carmarthen ....2	Abergorlech	2.95	120	1.47
	Aug. 18	Durham .....1	Staindrop (Raby Castle)	2.62	78	2.02

7 Heavy Falls on Rainfall Days in 1958

The daily measurements of rain which are set out in this Section are (a) falls amounting to $2\frac{1}{2}$ in. or more on the rainfall day, and (b) falls which amount to at least $7\frac{1}{2}$ per cent of the total recorded for the year 1958. A fall of $2\frac{1}{2}$ in. in a day at any station is sufficiently remarkable to be noticed, but it is

likely to be of more frequent occurrence in areas which are normally wet, such as mountainous districts, than elsewhere. Hence the criterion of $7\frac{1}{2}$ per cent is introduced as well in order to admit certain falls of less than $2\frac{1}{2}$ in. in areas where the total rainfall of the year does not exceed 33.3 in.

Table 7A. Maximum Daily Fall and Maximum Percentage

Year	ABSOLUTE HIGHEST RAINFALL				ABSOLUTE HIGHEST PERCENTAGE				Year
	in.	Per cent	Station	Div.	Per cent	in.	Station	Div.	
1935	6.16	5.7	New Dungeon Ghyll .	X	12.2	4.83	Batheaston Reservoir	V	1935
1936	5.80	...	Glenshiel	XVIII	12.8	3.97	St. Albans (Oaklands)	III	1936
1937	5.76	18.2	Waltham-on-Wolds ..	VII	18.2	5.76	Waltham-on-Wolds ..	VII	1937
1938	7.14	5.2	Buttermere (Hassness)	X	15.4	5.61	Torquay (Abbey Park)	V	1938
1939	5.08	4.8	Blaenau Festiniog ...	XI	11.8	4.01	Milford W.W.	VI	1939
1940	6.23	6.8	Rhondda (Llyn Fawr)	XI	14.7	4.18	Scarborough (Osgodby)	IX	1940
1941	5.10	9.2	Merthyr Tydfil.	XI	18.8	4.54	Wickham Bishops . . .	IV	1941
1942	5.33	6.2	Grange-in-Borrowdale	X	12.0	3.55	Burnham (Chalbury)	V	1942
1943	4.44	4.6	Grange-in-Borrowdale	X	10.5	2.78	Torphins School House	XVII	1943
1944	5.20	3.2	Snowdon (Llydaw In.)	XI	14.0	4.45	Kilve (Harefield) . . .	V	1944
1945	4.85	5.4	Borrowdale (Moraine)	X	16.6	3.82	Boston (Grand Sluice)	VII	1945
1946	6.83	6.4	Princetown		12.6	3.48	Doxford Hall	X	1946
			(H.M. Prison)	V	12.6	3.51	Chathill (Preston Twr.)	X	1946
1947	6.28	6.4	Glenquoich	XVIII	20.8	5.04	Wisley (Outfall Wks.) .	II	1947
1948	6.21	17.0	Kelso (Floors)	XII	17.0	6.21	Kelso (Floors)	XII	1948
1949	6.04	3.5	Glenshiel (Kyle)	XVIII	19.1	4.12	March	III	1949
1950	4.55	4.2	Coniston (Holywath) .	X	11.2	3.04	Fordham (London Hse.)	III	1950
1951	4.53	4.0	Thirlmere (Dale Head)	X	9.9	3.34	Oxford (Radcliffe) . . .	III	1951
1952	9.00	10.7	Longstone Barrow ...	V	14.7	4.83	Boreham Wood	III	1952
1953	6.50	5.4	Snowdon (Cwm Dyli)	XI	12.0	3.25	Southampton		
							(Portswood)	II	1953
1954	6.02	5.0	Loch Quoich						
			(Cruadhach)	XVIII	11.9	3.56	Wyton Airfield	III	1954
1955	11.00	...	Martinstown						
			(The Chantry)	V	22.5	9.50	Upwey (Friar Waddon)	V	1955
1956	6.50	13.0	Bradford (Hewenden	IX	16.1	4.30	Harmondsworth (Rd.	III	1956
			Reservoir)				Research Lab.)		
1957	(8.00)	13.0	Camelford (Roughtor	V	15.1	3.88	Hampton (Refuse Dis-	III	1957
			View)				posal Works)		
1958	5.17	13.0	Knockholt (Kent	II	13.0	5.17	Knockholt (Kent	II	1958
			Waterworks)				Waterworks)		

A summary of the contents of this Section in each of the seventy volumes of *British Rainfall*, 1865–1934, was set out in an article in Part IV of *British Rainfall* 1934. The summary, revised to 1955, is now available as *Hydrological Memoranda* No. 2. The original article also included a list of the absolute highest daily rainfall and the absolute highest daily percentage recorded in each year. Corresponding figures for the years 1935 to 1958 are set out in Table 7A.

Dates of occurrence and measurements of the 11 largest falls of rain during 1958 are given in Table 7B. The table shows also the total amount for the year and the percentage of this total accounted for by the highest daily fall.

There were 162 falls which reached or exceeded 2½ in., and of these the corresponding numbers for other limits were: 3 in., 40; 4 in., 2; 5 in. 1. The outstanding day was September 5 with more than 25 per cent of these falls.

In the tables included in the following account of the heavy falls of the year, a daily fall which is the maximum fall for the year at the station is indicated by ordinary roman type; other falls are in *italics*.

CHRONICLE

The amounts in this section cover the 24 hours commencing at 9 a.m. G.M.T. on the day of entry.

January was changeable and rather cold. Heavy rain on the 6th and 8th was associated with depressions moving south-east across Scotland. There were further heavy falls in central Scotland and also in the Isle of Man and the Mourne Mountains on the 24th and 25th as a vigorous trough of low pressure moved east-north-east across Great Britain. Another trough moving on a similar track brought heavy rain to parts of Scotland again on the 28th and 29th.

January 6

<i>Argyllshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Mull (Ulva)	2·53		4·5

January 8

<i>Dunbartonshire</i>			
Loch Sloy (Sloy Power Station)	3·00		3·4
Loch Sloy (Main Adit)	3·45		3·3

<i>Argyllshire</i>			
Dunoon (Waterworks)	2·83		3·9

Table 7B. The Largest Daily Rainfalls in 1958

Date	Div.	Station	Amount	Per cent of Year	Total for Year
			<i>in.</i>	<i>%</i>	<i>in.</i>
Sept. 5	II	Knockholt (Kent Waterworks)	5·17	13·0	39·69
" 5	II	Eynsford (Pumping Station)	4·00	11·8	33·88
" 5	II	Southfleet (Hook Place Farm)	3·92	12·7	30·89
June 25	N.I.	Mourne Mountains (Foffany Reservoir) <i>check gauge</i>	3·80	4·9	77·02
Sept. 5	II	Sevenoaks (Cramptons Road Pump. Stn.)	3·78	10·9	34·83
" 5	II	Southfleet (Kent Waterworks)	3·75	12·0	31·38
Aug. 22	III	Brill (C.E. School)	3·56	10·4	34·23
Sept. 5	II	Sevenoaks (Chevening Gardens)	3·55	8·5	41·66
Dec. 14	XVI	Strathope	3·51	4·6	76·09
Sept. 5	II	Shoreham (Highfield)	3·50	10·1	34·54
" 5	II	Horton Kirby (Court Lodge)	3·50	11·9	29·47

	January 24	in.	or	%
<i>Isle of Man</i>				
Sulby (Filter House)	2.53			5.2
Ramsey (Ballure Reservoir)	2.60			4.6

<i>Co. Down</i>				
Mourne Mountains (Foffany Reservoir) <i>check gauge</i>	2.80			3.6
Mourne Mountains (Spelga Dam) ..	2.64			3.6

	January 25			
<i>Dunbartonshire</i>				
Loch Sloy (Main Adit)	2.70			2.6

	January 28			
<i>Perthshire</i>				
Callander (Duilatur)	2.90			4.8

February was changeable and wet with heavy snow at times. Snow in the early part of the second week was followed by very unsettled weather with widespread and sometimes heavy rain, particularly in western districts where there were heavy falls in Glamorgan on the 9th.

	February 9			
<i>Glamorgan</i>		in.	or	%
Gelligaled Recreation Ground	2.54			3.3
Treorchy (Pumping Station)	2.72			3.0
Treherbert Park	2.76			2.8
Treherbert (Tyn-y-waun)	2.80			2.8
Treherbert (Tyn-y-waun) <i>new gauge</i> ..	2.84			2.8
Rhondda (Castell Nos Reservoir) ...	2.60			2.7

<i>Brecknockshire</i>				
Swansea W.W. (Cray Reservoir) No. 1	2.71			3.4

March and April were generally dry. The only heavy falls of rain occurred in Cornwall on the 16th March in association with a trough of low pressure which, approaching from the Atlantic, became slow moving over south-west England.

	March 16			
<i>Cornwall</i>		in.	or	%
Falmouth (Constantine)	2.83			4.9

May was changeable, wet and rather cool, and although parts of Scotland and north-west England had more than twice their average rainfall during the month, only one heavy fall was recorded. This was in Argyll

on the 19th when a cold front moving eastward across Great Britain brought moderate rain to much of Scotland.

	May 8			
<i>Caernarvonshire</i>		in.	or	%
Snowdon (Llydaw Intake)	2.65			2.0

	May 19			
<i>Argyllshire</i>				
Glenleven (Blackwater Dam, South).	2.51			3.1

June was unusually wet especially in southern England where over large areas the month's rainfall was more than three times the average. Thunderstorms and thundery rain occurred widely over England and Wales during most of the first week (see Section 6) and there were heavy falls in parts of southern England and parts of the Midlands on the 2nd. A shallow depression covered England and Wales on the 22nd and thunderstorms were reported from many areas. Heavy rain at Litton, in the West Riding of Yorkshire, included a "remarkable" fall. A depression which was centred near Scilly at noon on the 25th moved quickly northwards, giving heavy falls in the Mourne Mountains and in eastern Scotland.

	June 2			
<i>Wiltshire</i>		in.	or	%
Chippenham (Seagry Mill)	2.50			8.2

<i>Gloucestershire</i>				
Witcombe Reservoir	2.56			7.5
Hanham (Conham Sewage Works) ..	2.52			6.7

	June 22			
<i>Yorkshire</i>				
Litton (Manor Cottage)	2.57			4.3

	June 25			
<i>Angus</i>				
Dundee (Clatto Reservoir)	3.00			8.2

<i>Co. Down</i>				
Mourne Mountains (Foffany Reservoir) <i>check gauge</i>	3.80			4.9

The unsettled weather of late June continued during the greater part of *July*. Heavy rain on 1st and 3rd was associated with a quasi-

stationary depression in the English Channel; there were some "noteworthy" falls, and flooding was widespread. In spite of frequent rain and thunderstorms there was no further heavy fall until the 21st when a slow-moving trough of low pressure gave a period of continuous rain over East Anglia. A depression, which was centred to the south-west of Ireland at noon on the 27th, moved north-eastwards reaching southern Scotland about four hours later. Rain, which reached Scotland late on the 27th did not clear the north-east until well into the 29th. Many districts reported heavy falls.

July 1

<i>Staffordshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Shenstone (Little Hay)	2·78		7·7
Brownhills (Sandhills)	2·84		8·5
Brownhills	2·85		8·1
Cannock (Great Wyrley)	2·73		7·6
Penkridge (Farm Institute)	3·03		8·9
Wheaton Aston	2·60		7·8

Leicestershire

North Kilworth (Waterworks)	2·95		8·2
Hinckley (Bowling Green Road) ...	2·60		7·8
Hinckley (Woodland Road)	2·59		8·1

Lincolnshire

Ruskington	2·00		7·5
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Yorkshire

Burbage (Parson's House)	2·65		5·9
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July 21*Norfolk*

Cockthorpe (The Old House)	2·02		7·5
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July 28*East Lothian*

North Berwick (Netherheugh)	2·12		7·5
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Stirling

Shieldhill (Gardrum Moss)	2·51		6·6
Stirling (North Third Res.) No. 1 ..	2·50		4·6
" (Touch Res.) No. 3 <i>old site</i> ..	2·67		5·0
" " " <i>new site</i> ..	2·75		...
" " " No. 2 <i>new site</i> ..	2·69		...
" " " No. 1 <i>new site</i> ..	2·52		...

Fifeshire

Cameron (Waterworks)	2·51		7·4
St. Andrews (Waterworks)	2·63		7·7
Leslie (Lothrie Reservoir)	2·70		6·8

<i>Perthshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Upper Farg (Main Bank)	3·25		7·5
Dunning (Kippen House)	2·85		...

Banffshire

Keith (Isla Bank Mills)	3·08		7·4
Grange (Muiryfold)	3·01		8·4
Dufftown (Baluenic St.)	2·95		...
Cabrach Manse	3·13		7·1
Drummuir Castle	3·12		7·6

The unsettled weather of June and July continued into *August*. Widespread thunderstorms from 19th–22nd brought heavy rain and floods to many places.

August 19

<i>Cornwall</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Liskeard (Minions)	2·83		3·8

August 20

<i>Yorkshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Easingwold	2·33		8·3

Argyllshire

Connel (Alltnacree)	2·75		5·4
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August 22

<i>Buckinghamshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Brill (C.E. School)	3·56		10·4

Suffolk

Blaxhall (Lime Tree Farm)	2·97		9·0
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Warwickshire

Minworth Greaves	3·16		9·2
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Lancashire

Bury (Sewage Works)	3·04		6·2
Chorlton-cum-hardy (Sewage Works) ..	2·68		6·2

Yorkshire

Harrogate (Bilton Sewage Works) ..	2·62		7·5
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Dumfriesshire

Langholm (Craigcleuch)	2·81		5·4
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Lanarkshire

Strathaven (Kype Reservoir)	2·50		5·2
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September was very wet over England and Wales, but rainfall was about average over Scotland and Northern Ireland. An occluded trough of low pressure moving slowly north-eastwards on the 3rd brought heavy rain to western districts of England and Wales and

heavy falls were recorded in the Welsh Mountains. South eastern England had exceptionally heavy rain on the 5th (see Section 6 and Part III); the 5·7 in. recorded at Knockholt (Kent W.W.) set a new record for a fall in a rainfall day in Kent. Further thunderstorms with heavy rain occurred over England and Wales on the 14th and 15th in the circulation of a shallow depression but only one heavy fall ranked for inclusion in this chronicle. A deep depression moving north-east off north-west Scotland brought heavy rain to most districts of the British Isles; some of the heaviest falls occurred in Wales and south-west England.

September 3

<i>Montgomeryshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Lake Vyrnwy	2·54		4·0
Lake Vyrnwy (Experimental Station)	2·60		4·2

September 5

<i>Surrey</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Warlingham Park Hospital	2·89		8·4
Caterham (White Knobs Way)	2·53		6·5

Kent

Edenbridge (Pumping Station)	3·16		9·1
Westerham Hill (Pumping Station) ..	2·70		7·2
Sundridge (Pumping Station)	3·40		9·2
Sevenoaks (Oak Lane)	3·36		8·6
Sevenoaks (Cramptons Road Pumping Station)	3·78		10·9
Sevenoaks (Chevening Gardens)	3·55		8·5
Knockholt (Kent Waterworks)	5·17		13·0
Shoreham (Highfield)	3·50		10·1
West Wickham (Pumping Station) ..	2·60		8·0
Eynsford (Pumping Station)	4·00		11·8
Chelsfield	3·11		8·7
Longfield (Hartley)	3·41		10·5
Horton Kirby (Court Lodge)	3·50		11·9
Meopham (Pumping Station)	3·43		10·6
Bromley	2·50		8·0
Bromley (Bishops Avenue)	2·40		7·6
Bromley (Henville Road)	2·50		7·7
Southfleet (Hook Place Farm)	3·92		12·7
Wilmington (Orchard Way)	2·74		8·3
Swanley (Horticultural Institute) ...	2·91		9·2
Southfleet (Kent Waterworks)	3·75		12·0
Wilmington (Kent Waterworks)	2·56		8·3
Dartford (Christchurch Road)	2·94		9·7
Dartford (Central Park)	2·76		9·4
Bexleyheath (Danson Park)	2·88		8·4
Dartford (Sewage Works)	2·48		9·0
Erith (Sewage Works)	2·73		8·8
Erith (Crossness)	2·20		7·8

<i>Sussex</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Weir Wood Reservoir	2·50		6·3

Essex

Tilbury (Grays Sewage Works)	3·17		10·2
Tilbury (Beaconsfield Road)	2·95		10·0
Grays (Connaught Avenue Depot) ..	2·35		8·2
Rainham (Riverside Sewage Works)	2·38		8·0
Rainham (Spring Farm Recreation Ground)	2·85		9·6
Coryton	2·63		8·9
Vange (Pumping Station)	2·82		8·6
Horndon (Eastern Sewage Works) ..	3·10		9·4
Wickford (Dollymans Farm)	3·27		9·3
Downham Pumping Station (Hanningfield)	2·73		7·8
Hanningfield Reservoir	3·15		9·4
Chelmsford (Galleywood)	2·98		8·3
Chelmsford (Longstomps Reservoir)	3·24		9·3
Chelmsford (Sandford Mill W.W.) ..	2·73		8·3
Chelmsford (Melbourne Avenue) ...	2·48		7·6

September 14

<i>Shropshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Shrewsbury (Bicton Heath)	2·97		8·4

September 23

<i>Devonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Challacombe (Chase Terrace)	2·64		3·9

Somerset

Simonsbath (Honeymead)	2·75		4·1
Pinkworthy Farm	2·94		3·9

Monmouthshire

Newport W.W. (Pant-yr-eos Res.) ..	2·57		4·1
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Glamorgan

Ystalyfera (Wern House)	2·75		3·6
Rhondda W.W. (Llyn Fawr Reservoir) <i>check gauge</i>	3·11		3·1
Rhondda W.W. (Llyn Fawr Res.) ..	3·15		3·1
Maesteg (Welfare Park)	2·50		2·9
Pontcymmer	2·90		3·0
Ogmore Vale	2·98		2·8
Gelligaled Recreation Ground	2·53		3·3
Treorchy (Pumping Station)	2·93		3·2
Treherbert Park	2·60		2·6
Treherbert (Tyn-y-waun) <i>new gauge</i> ..	2·50		2·5
Rhondda (Castell Nos Reservoir) ...	2·65		2·8
Rhondda (Lluest Wen Filter)	2·87		2·9
Rhondda (Lluest Wen Reservoir) ...	3·00		3·0

Brecknockshire

Ystradgynlais (Ynisedwyn House) ..	2·50		3·5
Swansea W.W. (Nantyrwydd)	2·52		3·2
Ystradfellte Reservoir	2·91		3·6
Cardiff W.W. (Beacons Reservoir) ..	3·35		3·8
Cardiff W.W. (Storey Arms Field) ..	3·47		3·7
Taf Fechan (Neuadd Res. No. 11) ..	2·60		3·1

	<i>in.</i>	<i>or</i>	<i>%</i>
Taf Fechan (Neuadd Res. No. 11a) .	2·75		3·1
Swansea W.W. (Cray Res. No. 1)...	2·58		3·2

Merionethshire

Blaenau Festiniog (Llechwedd Quarry)	2·96		3·0
Blaenau Festiniog (Oakeley Quarry) .	3·17		3·1

Caernarvonshire

Snowdon (Cwm Dyli)	2·52		2·2
Snowdon (Llydaw Intake)	2·84		2·1

October was wet and changeable at first but generally dry during the second half of the month. A depression centred off our south-west coast on the 3rd moved slowly northward giving heavy rain in western districts; most districts from Cornwall to Renfrewshire recording more than one inch of rain with falls exceeding 2·5 inches in south Wales. On the 9th a number of places in northern Scotland had heavy rain as a trough of low pressure moved slowly eastwards. A few days of showery weather followed in all areas but a vigorous warm front approaching from the Atlantic brought widespread rain on the 12th with heavy falls in the Lake District and North Wales.

October 3

<i>Monmouthshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Abertillery (The Park)	2·57		4·0
Cwmtillery Reservoir	2·95		4·8

Glamorgan

Ferndale Park	2·53		3·1
Rhondda (Castell Nos Reservoir) ...	2·53		2·7
Rhondda (Lluest Wen Filter)	2·55		2·6
Rhondda (Lluest Wen Reservoir) ...	2·64		2·7
Dowlais (Garth Filter Beds)	2·65		3·9

Brecknockshire

Llanfrynach (Ty mawr)	2·85		5·1
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October 9*Argyllshire*

Morvern (Kingairloch)	2·57		2·8
Ardgour	3·05		4·0
Conaglen	2·82		3·8
Kinlochleven Village	2·71		3·6

Inverness-shire

Loch Arkaig (Achnacarry)	2·70		4·5
Onich	2·63		3·9

October 12

<i>Cumberland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Borrowdale (The Moraine)	2·66		3·2

Westmorland

Great Langdale (Long House)	2·75		2·8
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Merionethshire

Llyn Morwynion	2·96		3·1
Manod Ffestiniog	2·81		3·1
Blaenau Festiniog (County School) ..	2·89		3·1

As during *October*, the first half of *November* was wet and unsettled but the latter part of the month was dry. A complex system of fronts crossed the British Isles on the 1st–3rd bringing rain which was particularly heavy in southern England, Wales and western Scotland on the 1st: falls at a number of high level stations ranked for inclusion in this chronicle.

November 1

<i>Caernarvonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Snowdon (Cwm Dyli)	2·92		2·5

Glamorgan

Cowbridge (Pentre Meyrick)	2·84		5·5
Cowbridge (Pwllwy)	2·62		4·8
Maesteg (Welfare Park)	2·78		3·2
Pontycymmer	2·60		2·7

Merionethshire

Llyn Stwlan	2·66		...
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Caernarvonshire

Beddgelert (Primary School)	2·64		2·8
Snowdon (Cwm Dyli)	2·71		2·3

December was dull and rather wet over much of Great Britain but over most of Wales there was rather less than average rainfall. Heavy falls were limited to the 14th when there was considerable rain in east Scotland associated with an occlusion moving south-westward across the country.

December 14

<i>Perthshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Balquhider (Tulloch Lodge)	2·74		...
Strathyre	3·51		4·6

8 Monthly and Annual Rainfall during 1958

With the introduction into *British Rainfall* of averages for the new standard period, 1916–50, a number of changes have been made in the list of stations used in the calculation of monthly and annual values of general rainfall. At the same time the opportunity has been taken to introduce other changes, so that Section 8 of this volume now contains much of the information found in Sections 8 and 10 of previous volumes.

The tables in this section include:

Table 8A. General Values of monthly and annual rainfall in 1958, in inches, for each of the countries of the United Kingdom.

Table 8B. General Monthly and Annual averages of rainfall for the new standard period 1916–50.

Table 8C. Monthly and annual totals of rainfall in inches for 414 stations. This table has been enlarged to give a better representation of the distribution of rainfall throughout the United Kingdom. Maximum and minimum values are printed in bold type.

Table 8D. Monthly and annual rainfall for 188 of the stations appearing in Table 8C expressed as percentages of the 1916–50 annual averages.

Two important changes have been made in this table. In the first place it has been enlarged, and now contains nearly all the stations, formerly used in Tables 8D and 10B. Secondly, the latter table which previously formed part of Section 10, has now been incorporated in this section.

Table 8A. General Rainfall for 1958, computed from the average 1916–1950 by applying the general percentage values given in Table 8D to the Annual General Average values

Months	England	Wales	Isle of Man	England and Wales	Scotland	Northern Ireland
	in.	in.	in.	in.	in.	in.
January	3·4	5·1	6·8	3·6	5·5	4·4
February	4·3	7·6	6·8	4·7	4·2	4·3
March	1·9	1·5	2·2	1·9	2·8	1·8
April ..	1·2	1·2	1·2	1·2	2·5	1·7
May	3·1	4·6	3·6	3·3	4·4	3·1
June	4·5	5·1	4·7	4·6	3·3	5·6
July	3·6	5·6	3·6	3·9	5·3	5·0
August	3·8	4·9	5·2	3·9	5·1	4·9
September	4·1	9·3	5·6	4·8	4·3	4·3
October	3·0	4·9	3·4	3·3	4·8	3·3
November	2·0	3·5	3·6	2·2	2·0	2·3
December	4·0	4·9	7·4	4·1	5·9	5·0
Year	38·9	58·2	54·1	41·5	50·1	45·7

Table 8B. General Monthly and Annual Averages of Rainfall 1916-1950

Months	England	Wales	Isle of Man	England and Wales	Scotland	Northern Ireland
January	3.35	5.83	5.51	3.69	5.66	4.23
February	2.44	4.08	3.44	2.67	3.93	2.93
March	2.13	3.34	3.15	2.30	3.30	2.56
April	2.30	3.18	2.86	2.42	3.30	2.60
May	2.44	3.34	3.10	2.56	3.20	2.76
June	2.10	3.07	3.00	2.23	3.19	2.76
July	3.05	4.13	3.39	3.20	4.19	2.73
August	3.04	4.56	4.13	3.25	4.50	3.94
September	2.84	4.45	4.48	3.06	4.71	3.73
October	3.38	5.78	5.51	3.71	5.81	4.32
November	3.55	5.67	5.22	3.84	5.29	4.02
December	3.21	5.56	5.41	3.53	5.29	4.32
Year	33.83	52.99	49.20	36.46	52.37	41.90

In previous years, monthly general values were computed from stations in Table 8D alone, about 124, and those same stations were used in Table 9A (Section 9) to obtain general values of seasonal rainfall, but annual general values were obtained from the combined tables 8D and 10B.

The new Table 8D and the new Table 9A, printed in this and the following sections, now each contain the increased number of stations mentioned above, and from these stations are derived the annual and monthly general values (given in Table 8A and at the foot of Table 8D) and also the seasonal general values (Table 9A), so that the same degree of accuracy can be claimed for the monthly, annual and seasonal general values, which was not possible before.

Another change has been made in Table 8D. Monthly rainfall is now expressed as a percentage of the 1916-50 annual average, so that for each station and also for each country the percentage rainfall for the calendar year is the sum of the percentages of the twelve months. Similarly in Table 9A (Section 9) the percentage values for the winter and summer half years are the approxi-

mate sums of the monthly percentages for the stations given in Table 8D, for the appropriate six month periods.

Although Table 8D in its earlier form, giving monthly rainfall as a percentage of the long-term average monthly rainfall for the particular station, is no longer published, these percentage values have been used to draw the series of 12 monthly maps included in this section, and are still used for the preparation of monthly routine reports including the Monthly Weather Report.

Both the monthly and annual general values (in inches) for each country, given in Table 8A, are now obtained by simply taking the percentages of the appropriate 1916-50 average annual general rainfall, whereas formerly they were calculated by relating the monthly or annual percentage value to the appropriate monthly or annual 1916-50 average. Similarly for seasonal values. General monthly and annual percentage values are given for England, Wales, Scotland, Northern Ireland and the Isle of Man. Values for the Isle of Man have, hitherto, been based on the readings made at Douglas Borough Cemetery, but commencing with the

present volume, they are based on readings from three stations and are therefore more representative of the Island; the other two stations are not published in Tables 8c or 8d.

Maps

A series of thirteen maps are reproduced, twelve of which show the distribution of rainfall over the United Kingdom as a percentage of the 1916-50 average for each particular month. The corresponding percentage map for the year appears as a coloured frontispiece to this volume. The monthly maps, which show broadly the relative wetness or dryness of different parts of the country, are based on about 300 stations many of which are Climatological Stations. The data for these stations are given in the Monthly Weather Report.

In contrast, the map for the year is based on as much information as can be conveniently plotted, as this map, like that showing the annual rainfall in inches, is a valuable aid in the final checking of the reliability of all rainfall records received.

Monthly maps and an annual map, all showing rainfall in inches, are published in the appropriate volume of the Monthly Weather Report or in its Annual Summary. The map

of annual rainfall, in inches, is also included in this section, following the twelve monthly maps. These maps are reductions from maps prepared to a scale of 1 in 625,000. About 2,500 station values are plotted on the monthly maps, while for the reason already given, as many values as possible are plotted on the annual map.

General Monthly Rainfall

January rainfall was near the average over the whole of the United Kingdom whereas February was a wet month, particularly in England and Wales. March and April were dry. The next four months, May to August, in all the main sub-divisions of the United Kingdom were wet, more than twice the average amount of rain falling over England and Wales in June making it the wettest June since that of 1912. Above average rainfall continued into September over England and Wales and also over Northern Ireland but Scotland was relatively dry. October and November were dry in all the sub-divisions but December was wet. Thus with a dry, early spring, a wet summer and a dry autumn, rainfall followed a familiar pattern of recent years.

Extremes of Monthly and Annual Rainfall at Individual Stations, 1958

Rainfall in inches

Monthly totals

	Maximum			Minimum		
	Station	month	in.	Station	month	in.
England ...	Sprinkling Tarn (Cumberland)	Oct.	23·00	Kirk Bramwith (Yorks)	Apr.	·24
Wales	Snowdon, Delta (Caern.)	Feb.	23·58	Hanmer, Gredington .. (Flint.)	Apr.	·17
Scotland ...	Beinn Ime, S. (Argyll.)	Jan.	19·15	Bixter, Vementry (Shetland)	June	·24
N. Ireland .	Mourne Mts., Ott (Co. Down)	Sept.	13·15	Banbridge (Co. Down)	Mar.	·73

Annual totals

	Maximum		Minimum	
	Station	in.	Station	in.
England	Styehead Tarn (Cumb.)	149·75	Leeming Airfield (Yorks.)	23·51
Wales	Snowdon, Grib Goch (Caern.) . .	157·00	Rhyl, Westbourne Av. (Flint.) . .	31·25
Scotland	Beinn Ime, N. (Argyll.)	120·34	Tarbatness (Ross and Cromarty)	22·97
N. Ireland . .	Mourne Mts., Sleive Lamagan. (Co. Down)	82·10	Aldergrove Airfield (Co. Antrim)	36·02

The Rainfall and Weather of the Individual Months

January. Frontal troughs and depressions crossed the British Isles during the first ten days of the month. Weather was generally dry during the first three days, although the 1st was mild and rainy in the Midlands and the south of England. Rain or showers were frequent and there was some snow between the 4th and 10th, the 4th to 6th being the wettest period over England and Wales, and the 6th to 10th the wettest over Scotland; falls on the 8th exceeded $2\frac{1}{2}$ inches in Argyllshire and 3 inches in Dunbartonshire. Anti-cyclonic conditions prevailed from the 12th to 16th with mainly dry weather although there was a little light rain and drizzle here and there, mainly in western districts. A wintry spell began as cold northerly winds reached Scotland on the 18th and spread to the south on the 19th. Few places escaped snow, some of which was heavy (see Part III, p. 3). The snowy weather ended with rain on the 24th and 25th and a spectacular rise in temperature. Rain was heavy in places, falls exceeding $2\frac{1}{2}$ inches in 24 hours in the Isle of Man and Dunbartonshire. Flooding occurred in many northern districts as a result of the heavy rain and rapid thaw. The mild weather lasted for three days until a cold front moved south-eastwards during the 28th and 29th bringing heavy rain to many areas (falls exceeding $2\frac{1}{2}$ inches in Perthshire), and the heaviest rain of the month to places in the Midlands, east and south-east England where falls exceeded 1 inch.

February. Mild cloudy weather with light rain or showers affected much of the British Isles from the 1st to 4th. Cold air spread from the north on the 5th bringing snow showers which continued until the 7th when a depression, moving across southern Ireland and southern Scotland and into the North Sea by the 8th, brought substantial snowfall to most areas as the colder air retreated slowly northwards (see Part III, p. 4). The belt of snow and rain marking its retreat was followed by further heavy rain with flooding, falls exceeding $2\frac{1}{2}$ inches in Glamorgan on the 9th. Heavy rain and hail showers fell on the 11th and there were some thunderstorms, while depressions, moving eastwards over the country on the 13th and 15th, gave widespread rain. Three cold days, with light wintry showers, were followed by a return to milder, dull weather, with rain at times in the south and sleet in the north. Falls exceeded 2 inches in Merionethshire and Montgomeryshire on the 21st. Widespread heavy snow fell over England, Wales and south-east Scotland as a complex depression moved east across southern England during the night of 24th–25th. The month closed with the gradual re-establishment of milder weather from the Atlantic, although some snow lay in south-east England until the end of the month.

March. The month opened with four mild, dry days. Fresh north-westerly winds and snow showers reached Scotland late on the

4th and spread south to all areas by the 6th. Temperatures fell progressively as winds veered to the north. More continuous rain, sleet and snow fell over a wide area as a depression moved east-south-eastwards over Northern Ireland and northern England on the 12th and 13th (see Part III, pp. 4-5). Pressure rose rapidly over the North Sea after the passage of the depression and winds became south-easterly giving mainly settled weather but with a few light snow showers in the east. This situation persisted largely unchanged for the next ten days with slow-moving frontal systems giving some prolonged and occasionally heavy rain in the extreme south-west, falls exceeding $2\frac{1}{2}$ inches in parts of Cornwall on the 16th. A gradual advance of milder air from the south-west started on the 24th and belts of slight rain moved slowly northwards. During the 28th-29th a slow moving rain belt, associated with a depression moving northwards along the west coast of Great Britain, gave heavy falls in north-east and east Scotland. The fall on the 28th accounted for nearly one third of the monthly total at Leuchars, where a total of 4.07 inches for the month was the highest March total since records commenced in 1922.

April. The first two days of the month were bright and cold with occasional snow showers, mainly near the east coast. A complex low pressure system moved south-westwards across England between the 3rd and 5th bringing rain or snow to most districts, with the heaviest falls in the east. More settled weather was re-established on the 6th and thereafter many places in England had little or no precipitation until the 23rd, although there were a few slight rain or snow showers here and there, and some heavy rain in Devon and Cornwall on the 10th. Rain affected Scotland and Northern Ireland at times between the 16th and 19th, and there was more general rain in all areas between the 23rd and 27th as a series of frontal troughs moved eastwards across the British Isles. Rainfall amounts were mainly slight through-

out this period, although there were some heavier falls on the 25th, exceeding 2 inches in parts of central Wales.

May. It was an unsettled month with rainfall frequent but not unusually heavy. There were a number of distinctly wet periods, the first from about the 5th to 10th with the largest falls in North Wales, where on the 8th falls exceeded $2\frac{1}{2}$ inches in Snowdonia, in the north of England and in western Scotland, where falls exceeded 2 inches on the 7th. The second wet spell was from the 14th to 16th, when the heaviest falls occurred over southern districts of England and Wales as depressions crossed these areas. A further depression moving north-eastwards off northern Scotland and associated fronts crossing the British Isles during the 18th and 19th, brought rain to most areas: the heaviest falls this time were reported in western Scotland, some exceeding $2\frac{1}{2}$ inches in parts of Argyllshire. A depression which deepened rapidly as it approached St. George's Channel on the morning of the 23rd, subsequently moved slowly northwards; periods of rain or showers affected most areas until the 26th. The 23rd was probably the wettest day generally, falls exceeding 2 inches on this date in the Mourne Mountains. Further rain affected many southern districts on the 29th and 30th with some heavy rain on the 29th in east and south-east England where falls of nearly 1 inch were the heaviest of the month.

June. The month was cool and wet, in fact the wettest June over England and Wales since 1912. During the first week belts of thundery rain moved north-eastwards across the British Isles. Unusually heavy rain, associated with a depression over the Midlands, fell in a broad belt from Wales to Kent on the 2nd, falls exceeding $2\frac{1}{2}$ inches in places in the west. Heavy rain in west Devonshire and Somerset gave rise to severe flooding in the Boscastle area on the 3rd. Scotland and Northern Ireland had little rain during this period. Further outbreaks of thundery rain

occurred on the 6th and 7th, particularly in south-west England, the southern Pennines and in the counties of Armagh and Down, on the 9th and 10th in the Midlands and south-east England, and on the 11th and 12th in parts of south and west Scotland. There was widespread and locally heavy rain as a depression moved across Ireland on the 19th and into southern Scotland on the 20th, and this marked the beginning of another unsettled spell with widespread thunderstorms on the 22nd, 23rd and 24th. Northern Ireland, northern England, south and east Scotland had heavy rain on the 25th as a depression moved northwards into the Irish Sea and there slowly filled up, while the following day was very wet over south-east England as another depression moved north from France. Light rain fell in most areas during the last days of the month.

July. There was rain over much of the country during the first three days as a small depression moved eastward along the English Channel. Each day falls of an inch or more were reported from many parts of the country, leading to floods, which were particularly extensive in Lincolnshire and Nottinghamshire. After two showery days on the 4th and 5th, weather became mainly dry for several days. However, with the approach of a depression from the Atlantic, rain reached western districts on the 11th, and subsequently spread to most areas, as the depression moved across southern Scotland to the North Sea the following day. Rainfall exceeded 1 inch locally in Northern Ireland and west Wales. About a week of showery weather followed, with thunderstorms at times especially on the 16th and 20th. The first of a series of depressions, which gave about a week of very unsettled weather, moved over the country on the 21st, the second skirted the south coast two days later, a third moved across Ireland and southern Scotland to the North Sea on the 25th and 26th, while the fourth and final depression of the series moved north-eastwards from southern Ireland to the northern

North Sea two days later. These depressions were all accompanied by heavy rain, especially in southern and eastern Scotland, where there were many falls of more than 2 inches recorded in 24 hours; floods were reported from Glasgow and Perth. The last three days of the month were showery, with scattered thunderstorms, and with heavy rain in the south of Scotland on the 30th.

August. Weather during August was generally dull and wet with frequent thunderstorms, but there were two periods of brighter weather, one on the 16th–17th and the other on the 26th–27th, when weak ridges of high pressure crossed the country. Widespread thunderstorms during the first two days of the month, and slight frontal rain on the 3rd, were followed by heavier rain on the 4th and 5th as a deep depression skirted the coast of Scotland. Further thunderstorms occurred in the south on the 7th, as a trough moved eastward over the English Channel. Warm air, accompanied by some rain or drizzle, then spread northwards until on the 10th, with a southerly airstream over the British Isles, temperatures rose in places to above 80°F. (about 27°C.). Thunderstorms later in the day were followed by others on the 11th and 12th. The passage of depressions over Scotland gave further rain until the 15th and, after the brief bright period of the 16th–17th, there was a return of cloudy weather, with periods of rain. A further depression, of hurricane origin, reaching the south-west on the 20th, moved slowly over western Europe during the next three days. Widespread thunderstorms from 19th to 22nd brought heavy rain and flooding to many places. Rain on the 24th–25th was followed by the second bright period of the month, but conditions again deteriorated on the 28th with further rain and thunderstorms which continued in the west and south-east until the end of the month.

September. Heavy rainfall in the extreme south-west on the 2nd was followed by

thunderly rain over most of Wales and south-east England on the 3rd. One of the most violent thunderstorms of recent times occurred over south-east England on the 5th. (This storm is described in a special article in Part III of this Volume.) Thunderstorms re-developed over northern England and Scotland on the 6th with falls exceeding 2 inches in parts of western Scotland. The next nine or ten days were mostly dry although an extensive rain area covered most of Wales and southern England on the 14th. A very unsettled spell began about the 18th and lasted until the 23rd which was a very wet day in most western and southern districts. A ridge of high pressure gave a generally drier period on the 25th–27th, but a major rain-belt crossed the country on the 28th–29th, and this was followed by heavy showers on the 30th. A feature of the rainfall distribution was the large number of heavy daily falls in southern England and in the hilly western districts of Wales. Many eastern districts of England and Scotland, on the other hand, had comparatively little rain.

October. The month provided a marked contrast in weather types. During the first half of the month a number of depressions passed over or near the British Isles bringing rain on most days: falls were particularly heavy in hilly western districts and in Northern Ireland. On the 3rd, which was the wettest day generally, most western counties from Renfrew to Cornwall had falls of an inch or more. The 12th also was a very wet day in North Wales, the Pennines, the Lake District and the Southern Uplands. An anticyclone began to approach the British Isles about the 17th bringing a marked change in the weather which became generally fine and dry. By the 23rd the anticyclone was centred over the country with pressure unusually high. During the last few days of the month the anticyclone moved eastwards and fronts from the Atlantic brought rain to most places.

November. The first week of the month

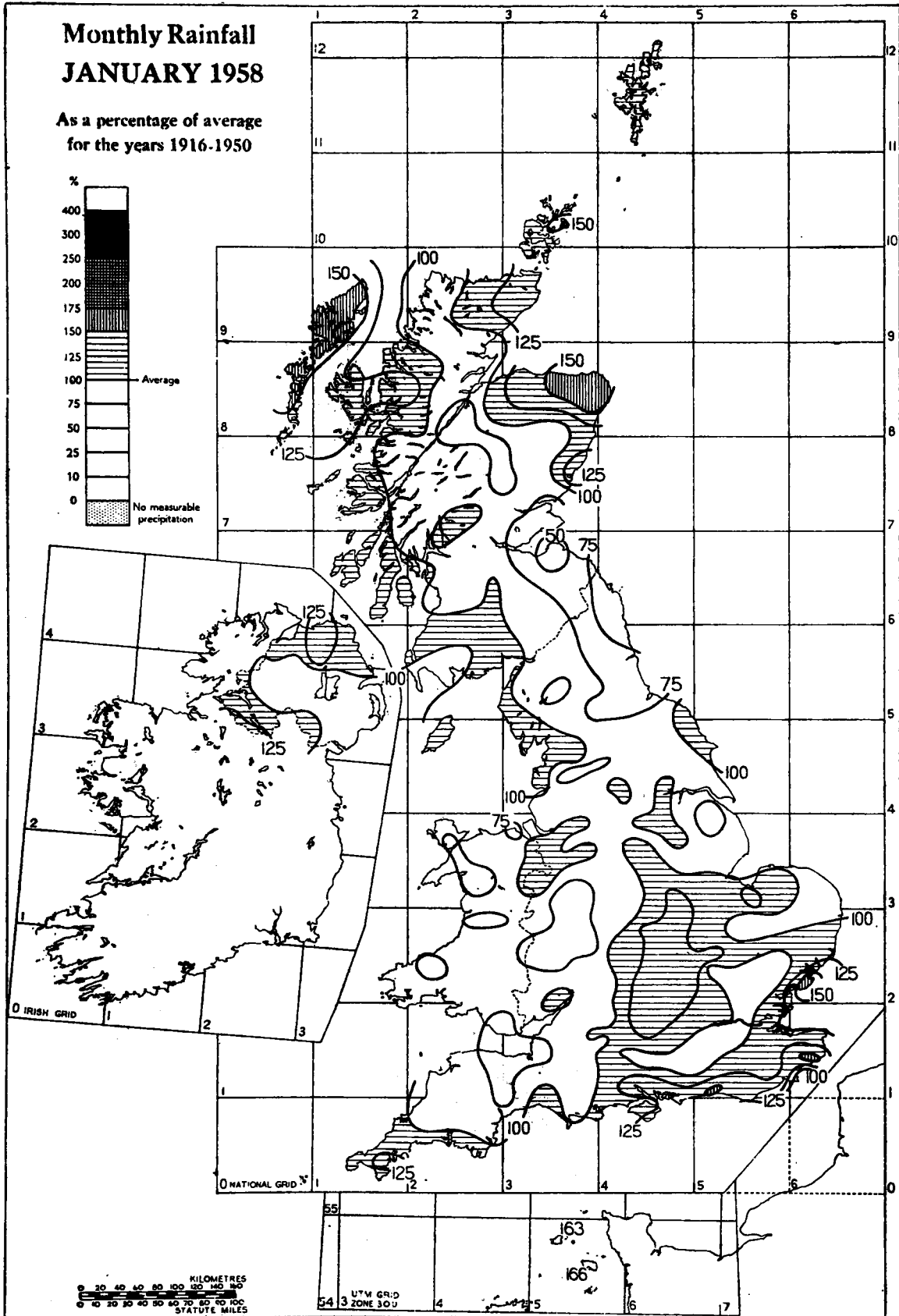
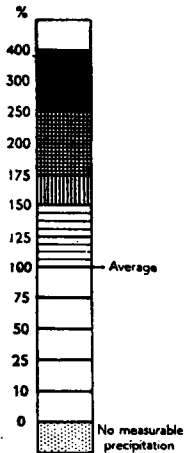
was mild and wet. A complex system of fronts moved across the country during the first three days bringing rain to most districts; falls were particularly heavy in southern England, Wales and western Scotland on the 1st. Heavy rain also occurred in south-western districts of England on the 4th and 5th. A cooler and showery period began on the 8th and continued until an occlusion from the Atlantic crossed the country on the 12th; it brought heavy rain to Lancashire. Anticyclonic conditions developed from about the 13th, and the remainder of the month was marked by mainly dry but persistently foggy weather in most districts. Parts of north-west and south-east England and East Anglia had no measurable rain throughout the period.

December. The anticyclonic conditions of the latter half of November persisted into December and weather during the first week remained dry and was very foggy. An unsettled and unusually wet spell began on the 8th and lasted for about a week. Rainfall was particularly heavy on the 12th in Northern Ireland and western England, and on the 14th in north-eastern England and eastern Scotland. The 15th–17th were generally foggy days, but there was an unusually severe winter thunderstorm in Northern Ireland on the 17th. The next three days were generally wet as a deep depression moved northward from the South-west Approaches, skirting the Irish coast. From the 21st generally quiet, foggy weather re-developed, and persisted until Christmas Day. The last week of the month was unusually mild and wet, especially in North Wales.

The Maps in the following pages show the distribution of rainfall for each month expressed as a percentage of the 1916–50 monthly average. Further details are given in the Monthly Weather Report, which also includes maps of the distribution of rainfall amounts in inches and maps showing the distribution of mean pressure and the movements of the centres of the main depressions during the month.

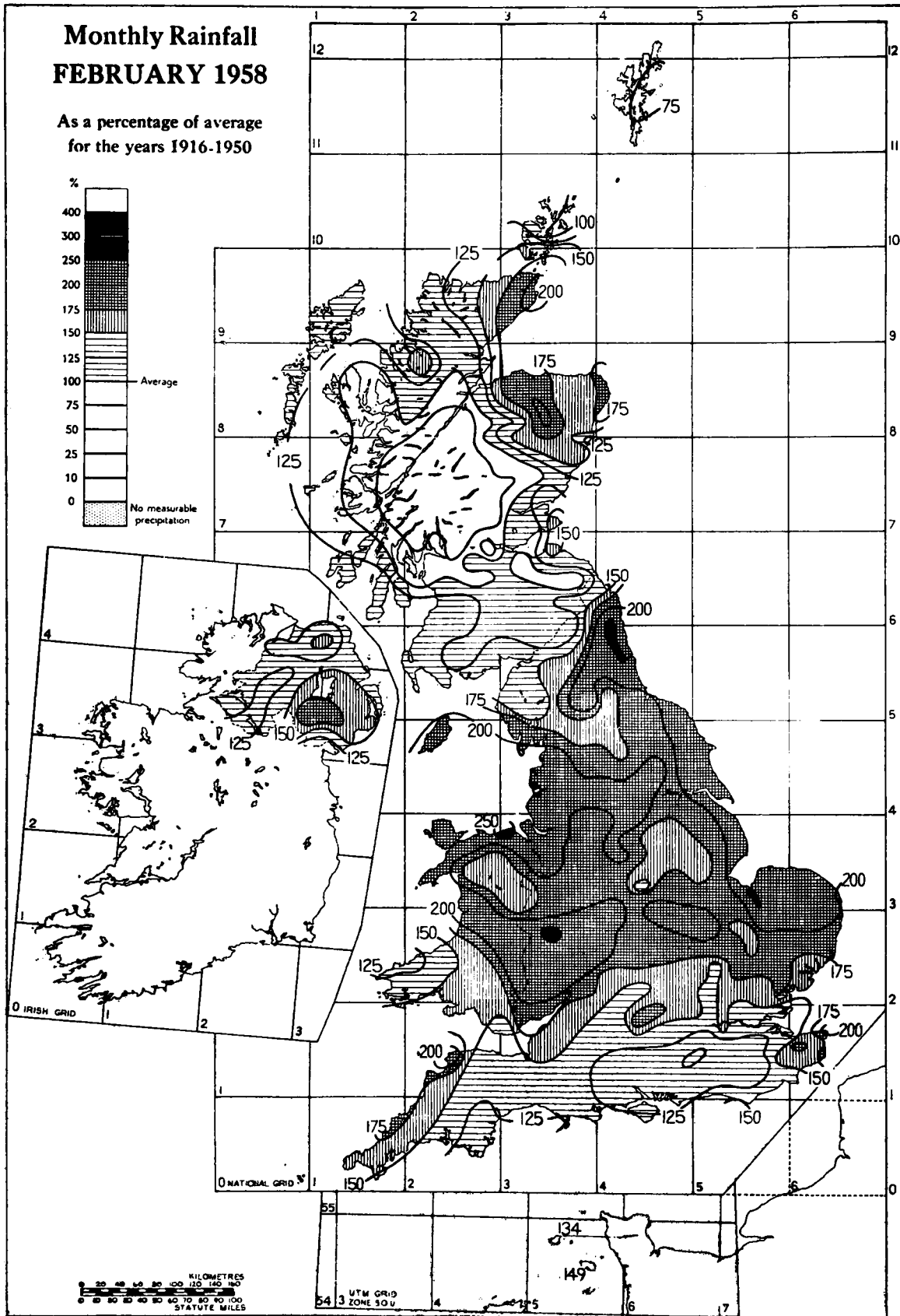
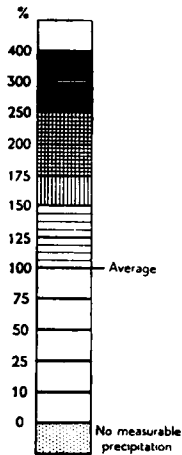
Monthly Rainfall JANUARY 1958

As a percentage of average
for the years 1916-1950



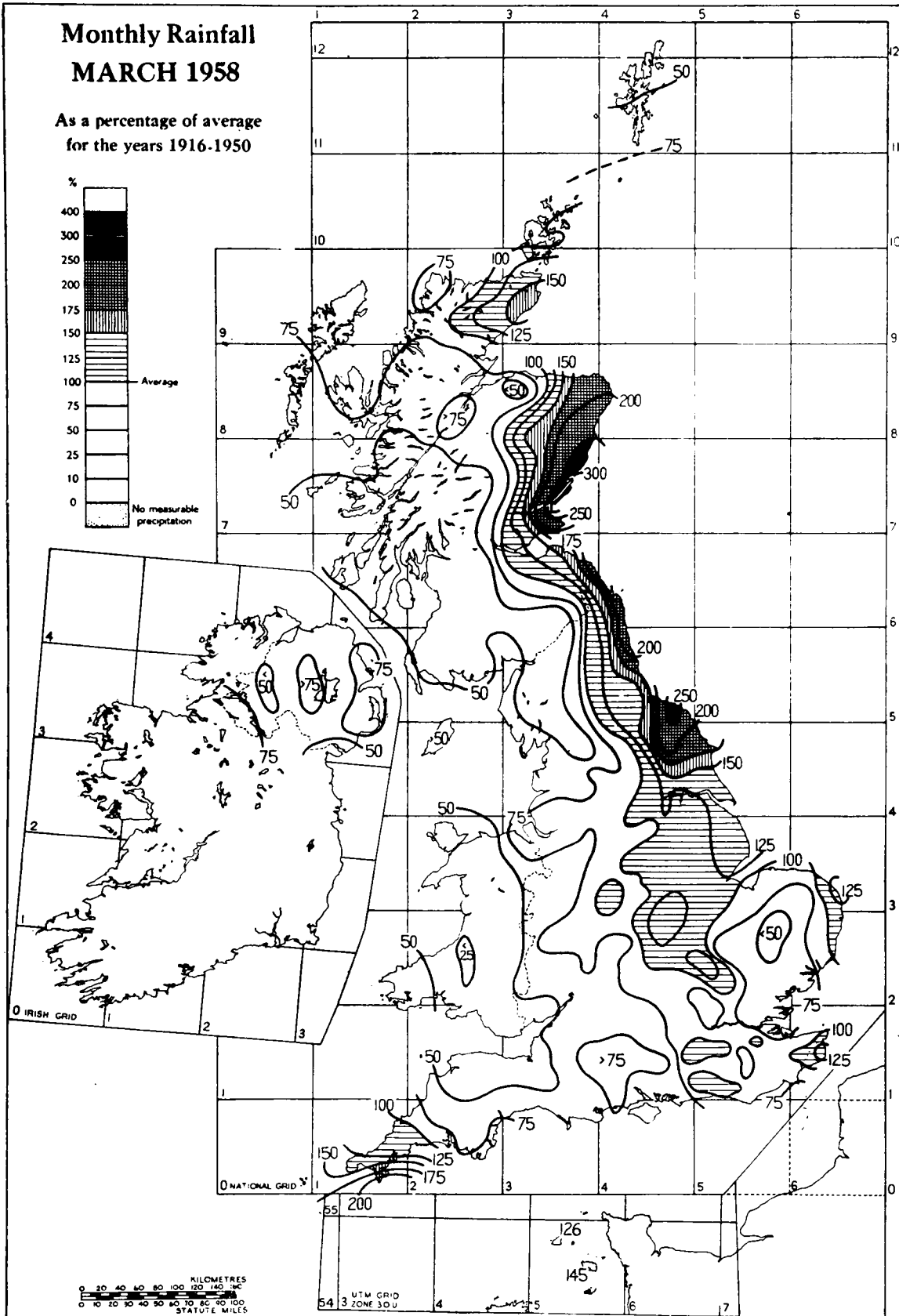
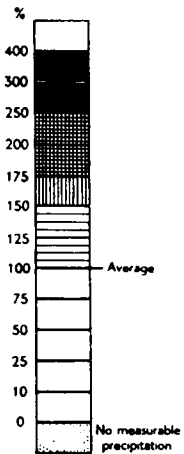
Monthly Rainfall FEBRUARY 1958

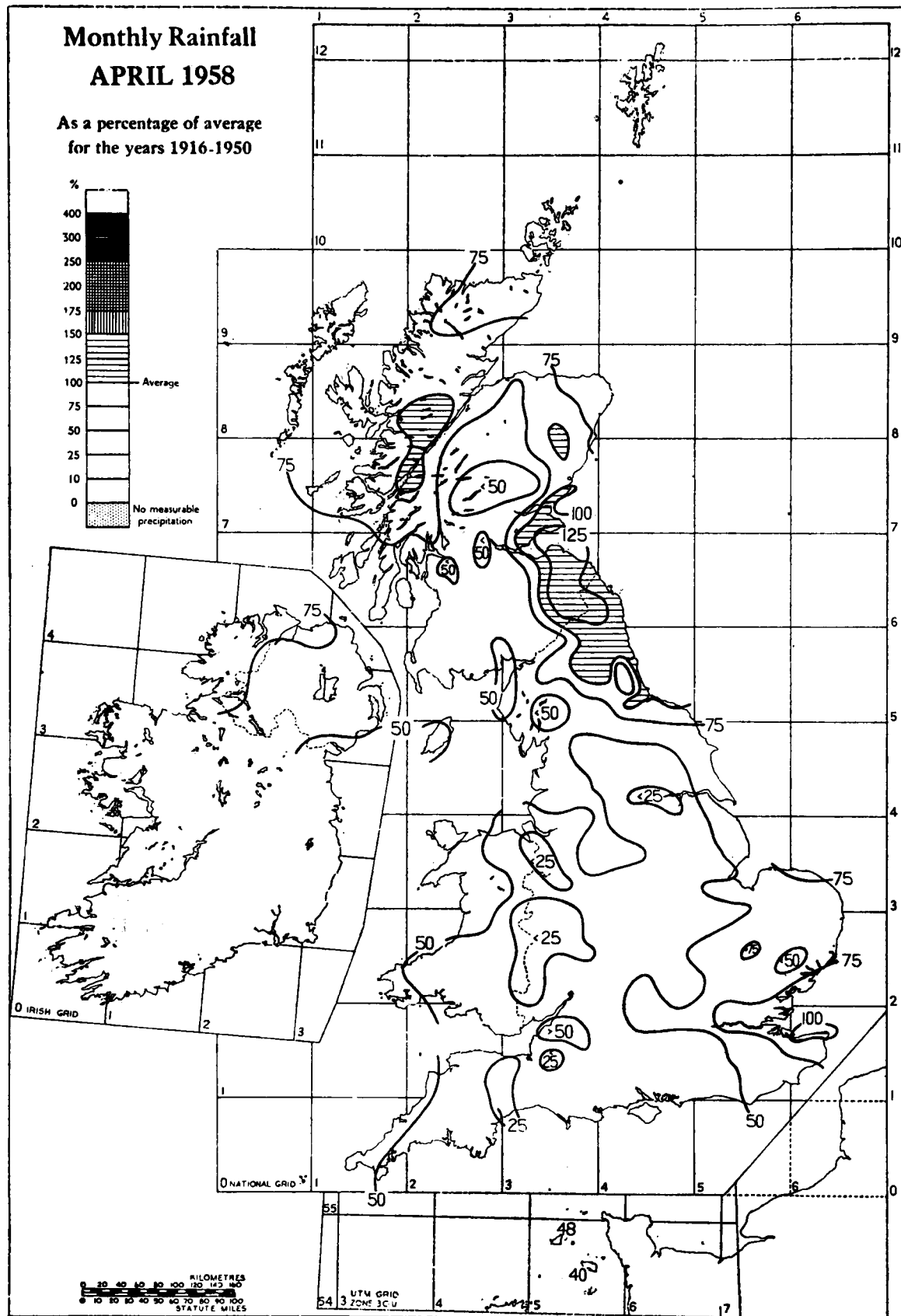
As a percentage of average
for the years 1916-1950



Monthly Rainfall MARCH 1958

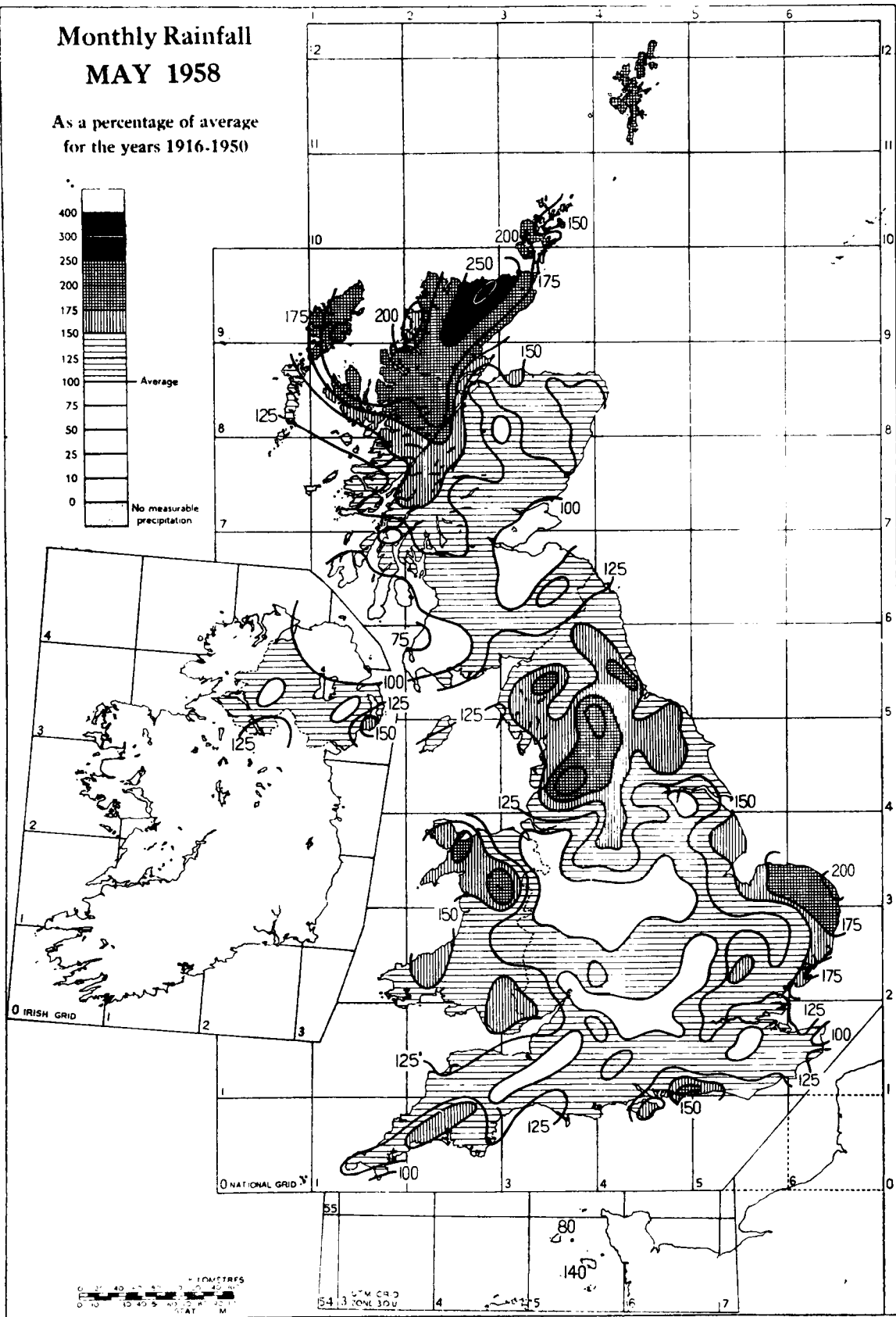
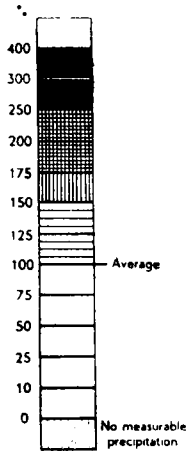
As a percentage of average
for the years 1916-1950

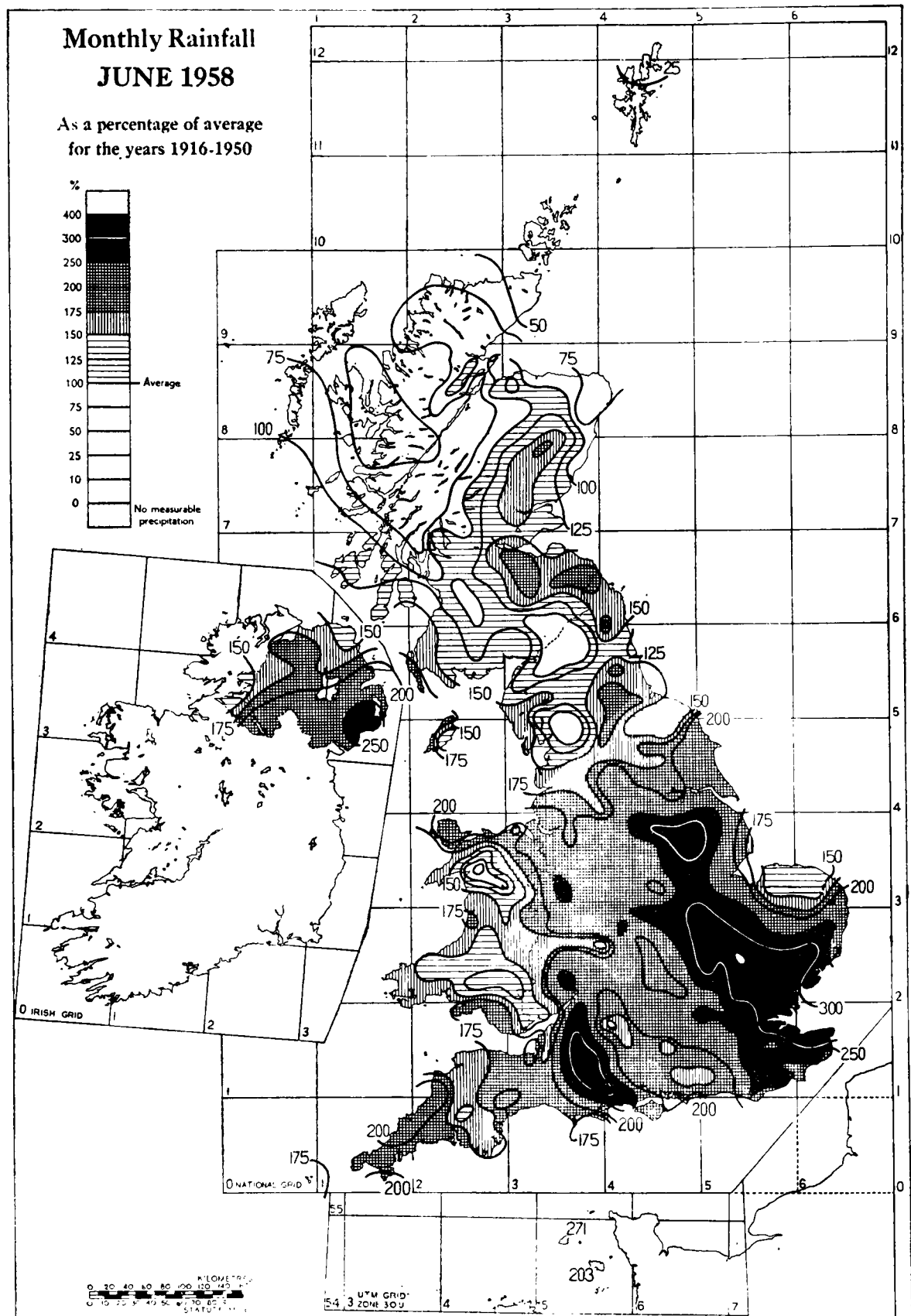


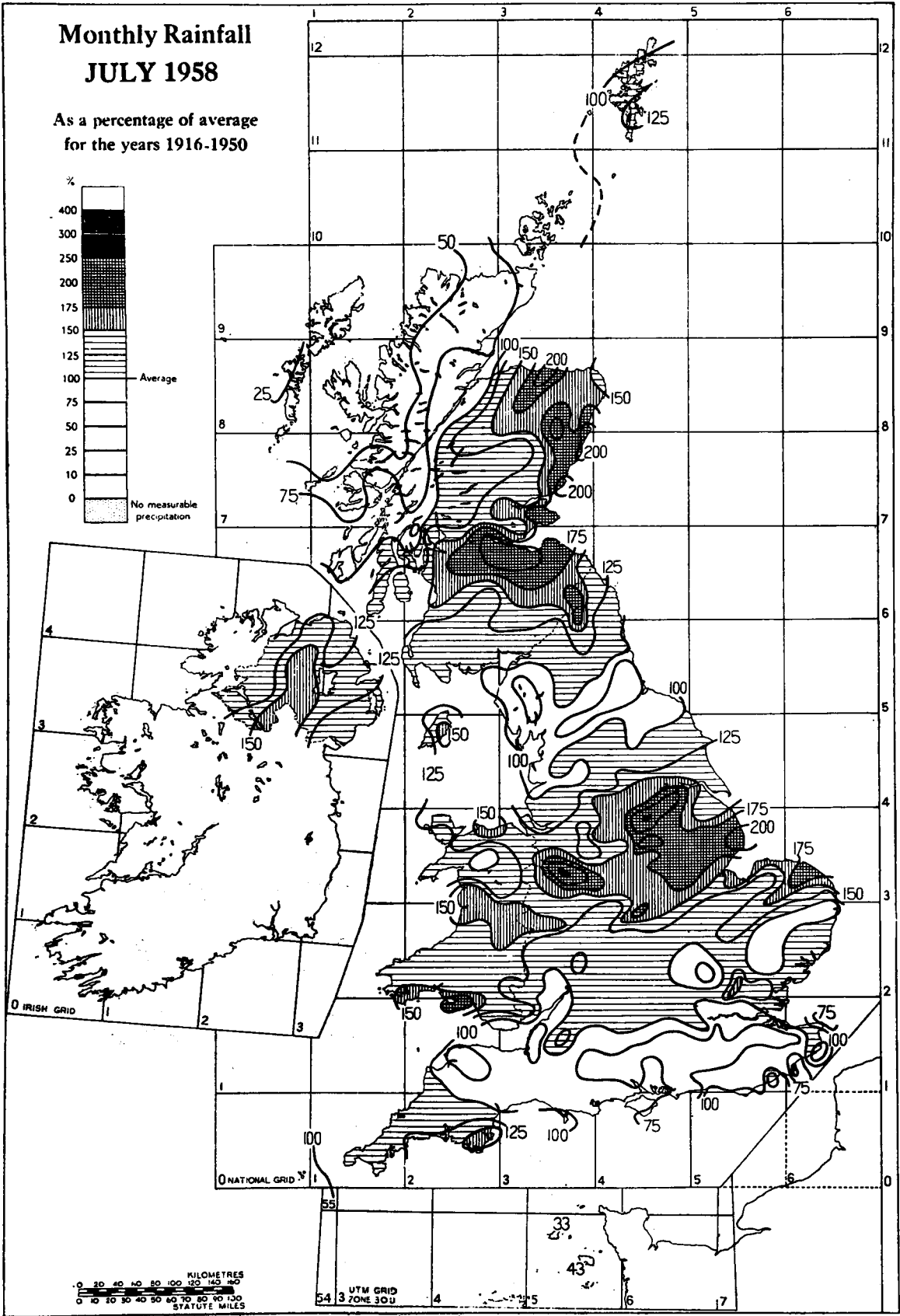


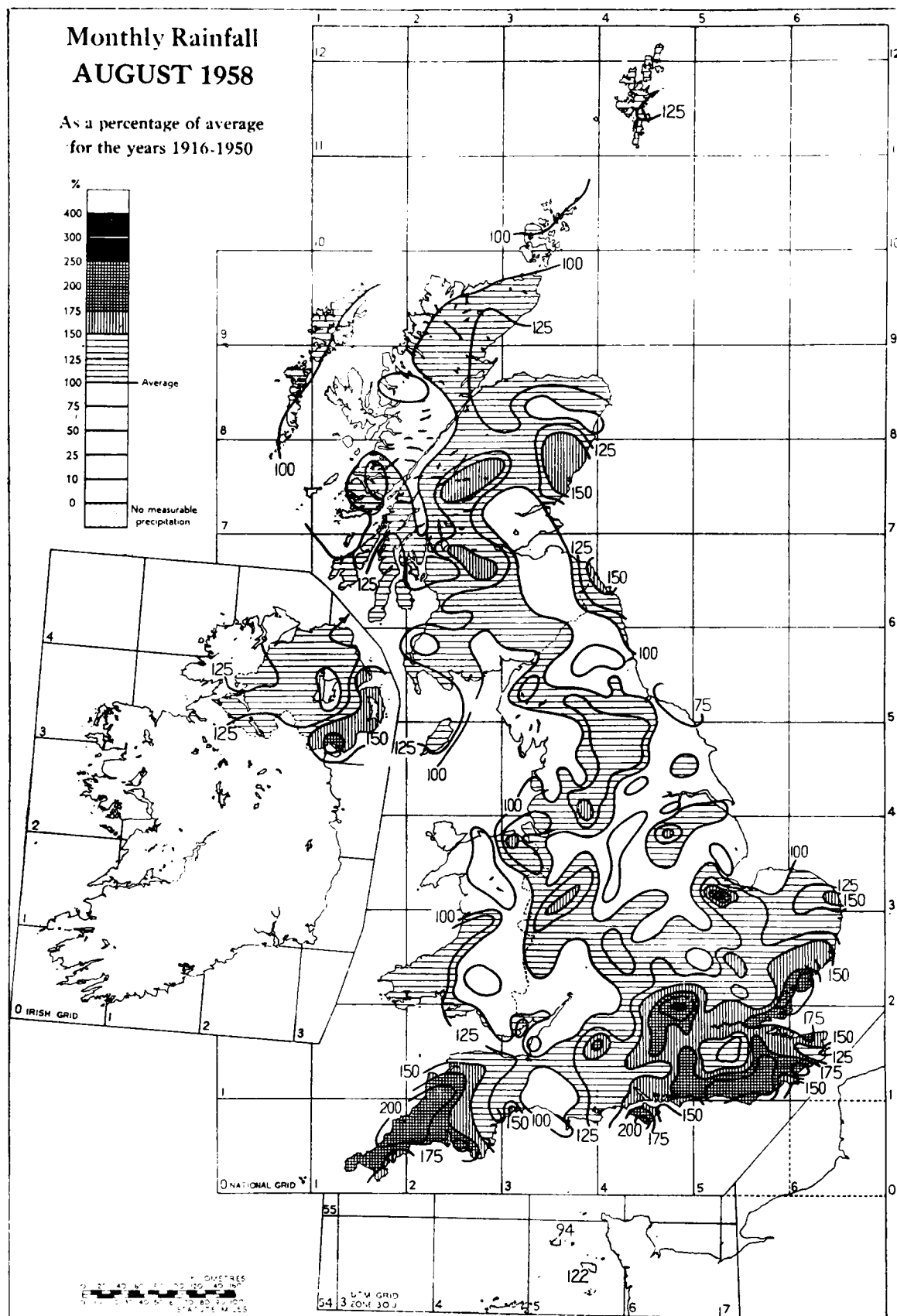
Monthly Rainfall MAY 1958

As a percentage of average
for the years 1916-1950



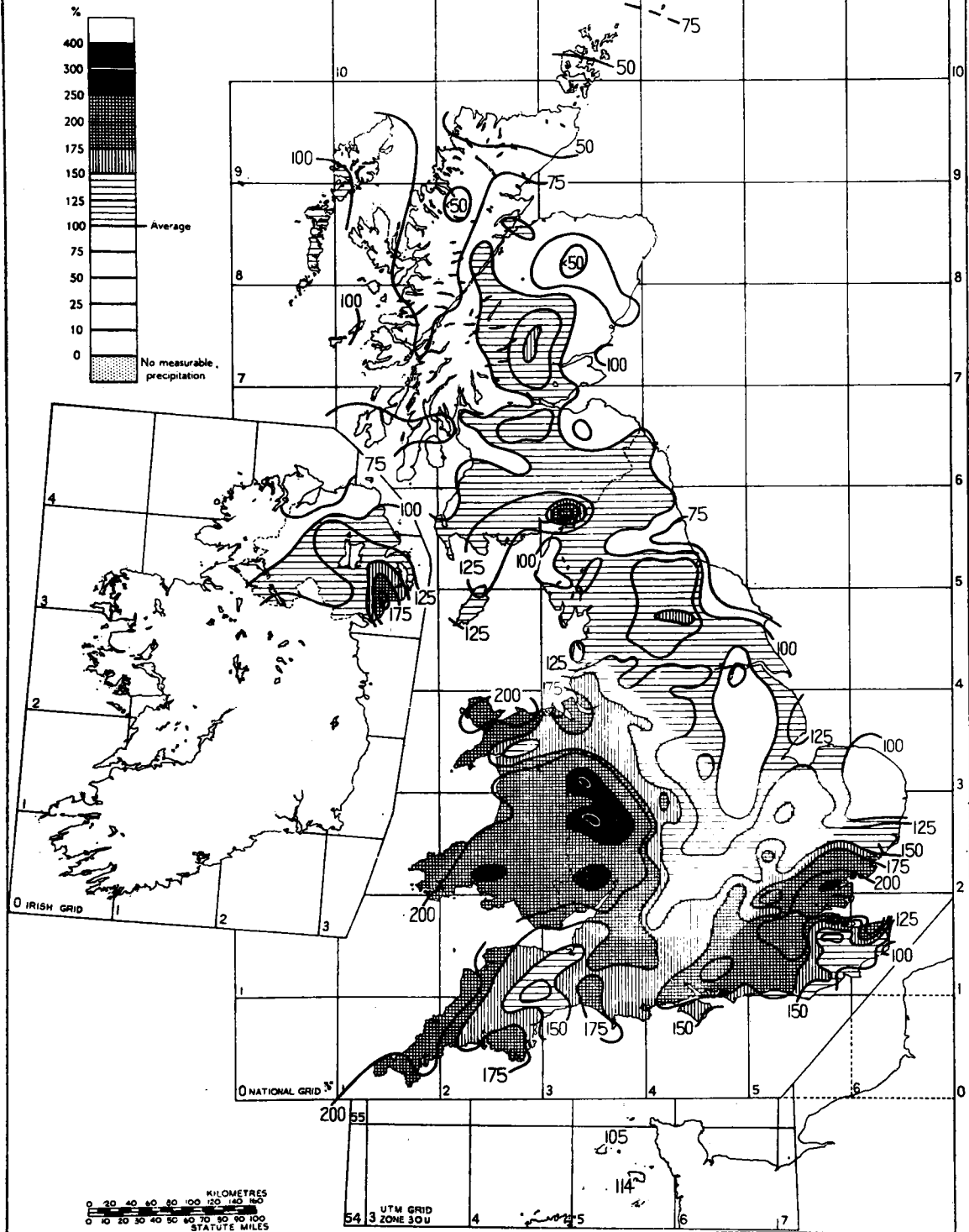


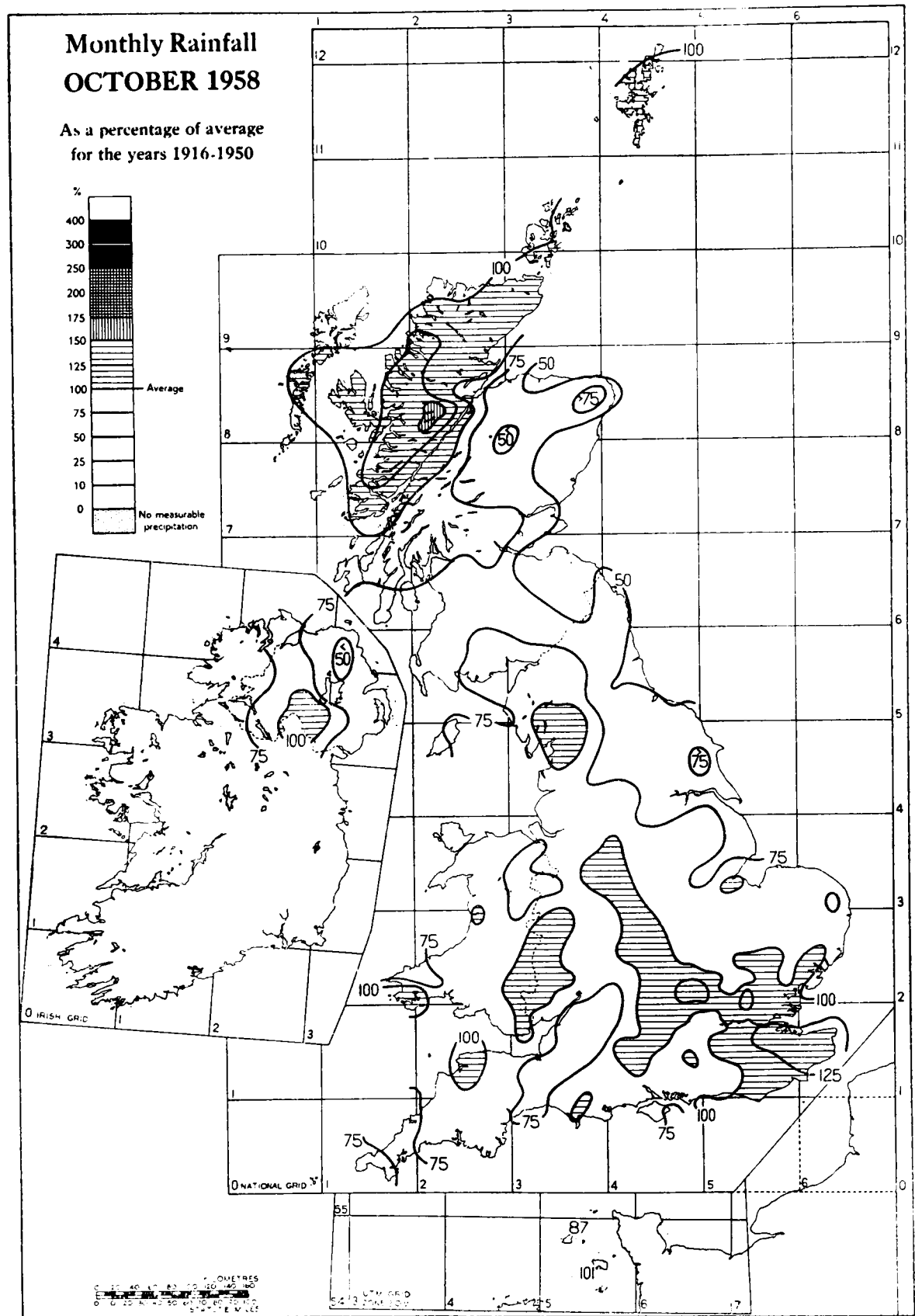




Monthly Rainfall SEPTEMBER 1958

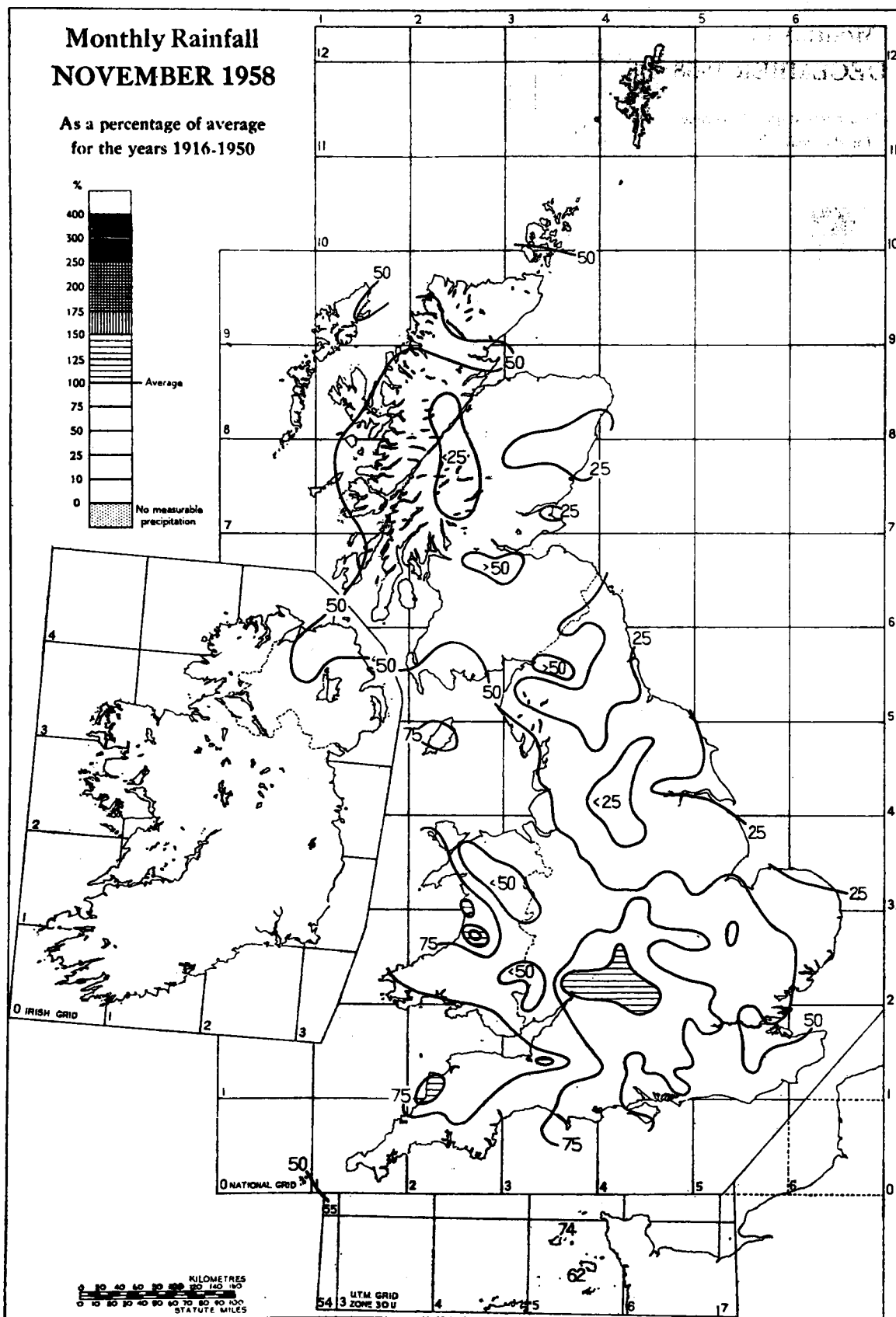
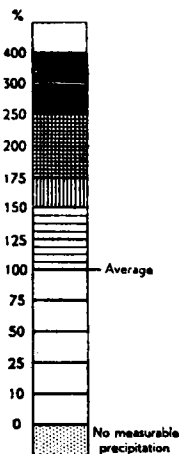
As a percentage of average
for the years 1916-1950

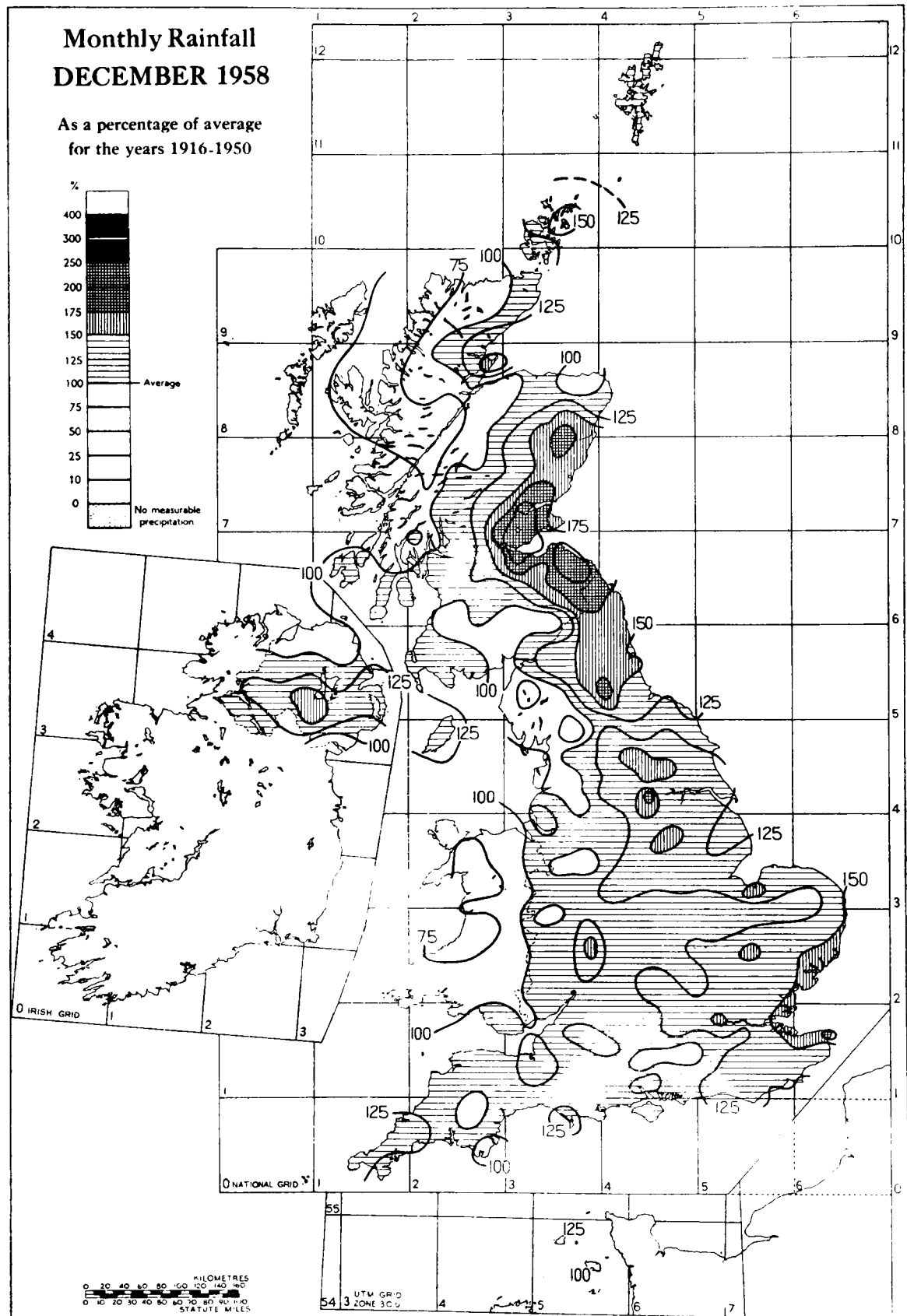




Monthly Rainfall NOVEMBER 1958

As a percentage of average
for the years 1916-1950





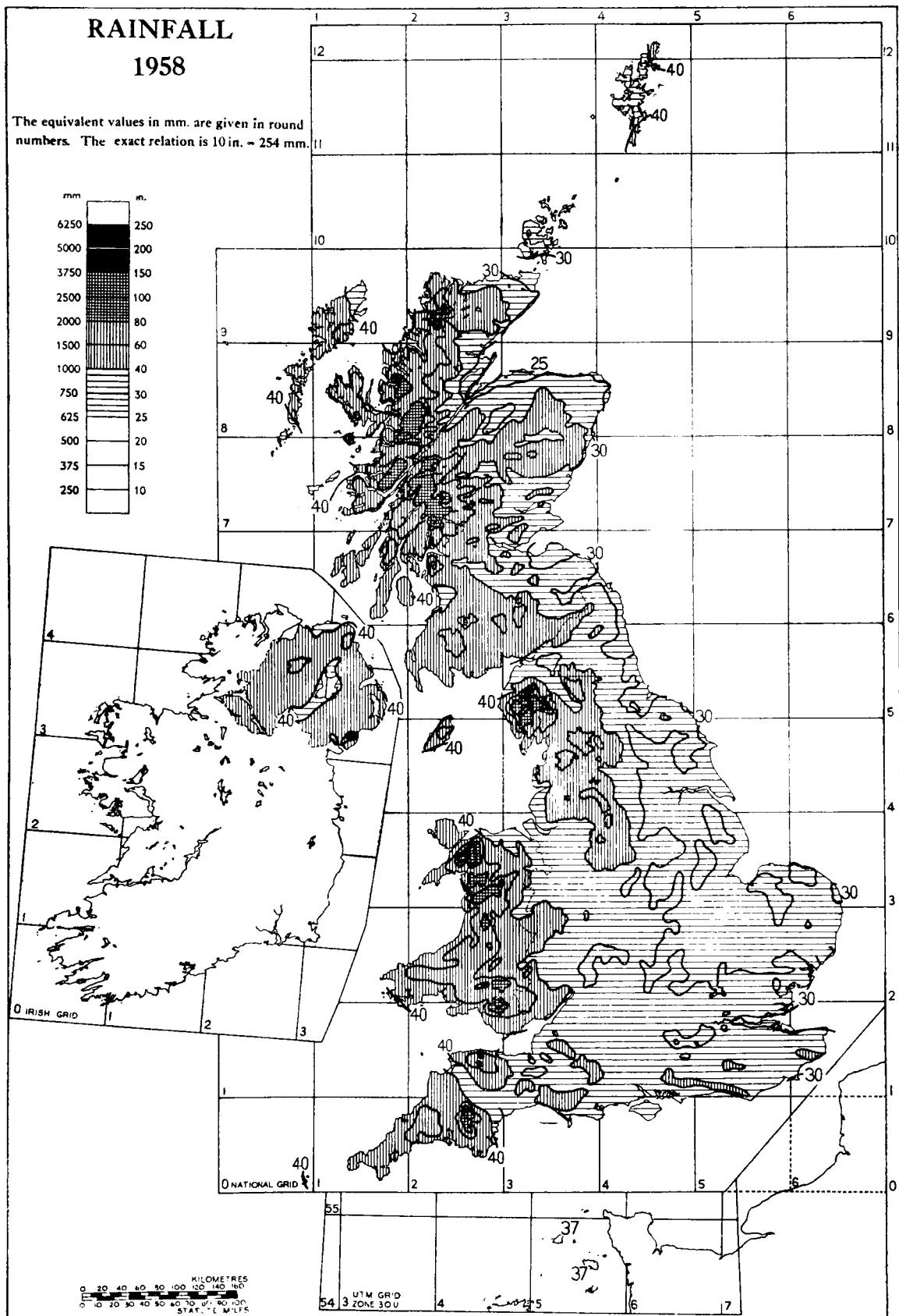


Table 8c. Monthly and Annual Rainfall in Great Britain and Northern Ireland in 1958
ENGLAND, WALES AND THE ISLANDS

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
London	St. Pancras (Camden Square)	2.33	2.55	1.19	1.74	2.25	5.11	2.29	3.92	3.64	2.87	2.00	3.07	32.96
Surrey	Mickleham (Juniper Hall)	2.78	2.47	1.99	1.09	2.85	3.80	1.53	3.06	5.14	2.91	2.00	3.40	33.02
"	Godalming (Borough Road P.S.) ..	2.87	2.45	2.53	.92	2.92	3.83	1.04	3.79	3.97	2.53	2.41	3.28	32.54
Kent	Dover (Waterloo Crescent)	3.80	3.60	2.26	1.82	2.20	3.59	3.20	3.11	2.29	4.70	1.91	3.65	36.13
"	Ashford	4.17	3.29	1.55	1.52	2.17	4.43	1.88	4.87	3.18	4.64	2.12	4.42	38.24
"	Herne Bay (St. Anne's Home)	2.52	2.49	1.10	1.75	2.08	4.35	2.19	3.81	4.29	3.28	1.31	3.04	32.21
"	Goudhurst (Bedgebury Forest)	3.66	2.94	1.76	1.70	2.17	4.32	2.52	5.60	3.31	3.89	1.62	4.37	37.86
"	Edenbridge (Falconhurst)	3.87	2.85	1.49	1.29	1.84	4.88	1.69	3.66	5.83	3.36	1.91	4.73	37.40
"	East Malling (Research Station) ..	2.77	2.45	1.39	1.43	2.03	3.93	1.16	3.82	2.50	3.92	1.49	3.63	30.52
"	Strood (Waterworks)	2.17	1.96	1.31	1.68	1.66	4.24	2.21	3.70	3.45	3.14	1.60	3.20	30.32
"	Bromley	2.00	2.33	1.77	1.45	1.70	4.41	1.92	3.33	5.12	2.83	1.71	3.73	31.30
Sussex	Bognor Regis (Waterloo Square) ..	4.46	2.77	1.61	.60	3.10	2.61	1.04	3.68	3.70	3.13	2.47	3.51	32.68
"	Compton (Compton House)	5.21	3.25	1.83	.82	3.38	3.37	2.09	5.51	5.16	2.96	3.32	4.76	41.66
"	Horsham (Sewage Disposal Works) ..	3.18	2.42	2.05	.92	2.79	4.57	1.49	4.19	4.08	3.75	2.35	4.16	35.95
"	Worthing (Beach House Park)	4.38	2.60	1.79	.77	2.60	2.78	2.23	4.80	3.90	2.62	2.06	3.83	34.36
"	Horsted Keynes (Holy Well P.S.) ..	3.83	2.55	2.01	1.23	2.82	4.67	2.28	4.22	5.46	3.66	2.21	4.93	39.87
"	Hastings (White Rock)	3.62	2.77	1.19	1.25	2.23	3.88	2.20	3.51	2.66	3.92	2.17	4.00	33.40
"	St. Catherine's Point Lighthouse ..	4.48	3.02	1.23	.56	3.00	3.23	1.39	4.52	3.96	2.48	3.21	4.03	35.11
Hampshire	Everton (Efford)	4.14	2.57	1.38	.53	2.36	3.19	2.02	3.26	5.21	2.95	2.86	4.27	34.74
"	Southampton (East Park)	4.64	2.85	1.53	.59	2.15	3.44	1.78	4.37	4.87	3.20	2.42	4.55	36.39
"	Whitchurch (Dunley Manor)	3.62	2.68	1.41	1.03	2.33	3.27	2.20	3.26	4.82	4.01	3.17	3.30	35.10
"	Winchester (Recreation Ground) ..	3.84	2.77	1.92	.61	2.09	3.59	2.32	3.82	5.37	3.08	2.76	4.26	36.43
"	South Farnborough (R.A.E.)	2.41	2.36	1.84	.98	2.16	2.98	1.45	4.25	3.80	2.41	2.61	2.34	29.59
Berkshire	Woolhampton (Douai Abbey)	3.11	3.22	1.13	1.06	1.87	3.47	2.72	4.07	3.37	3.27	2.27	2.84	32.40
"	Didcot (Sewage Works)	3.13	2.42	.95	1.01	1.44	3.62	2.98	4.20	3.21	2.47	2.46	2.75	30.64
Middlesex	Weybridge (Shepperton Lock)	2.27	2.33	1.24	.99	2.40	4.25	1.78	3.25	3.64	2.30	1.93	2.57	28.95
Hertfordshire	Harpenden (Rothamsted)	2.76	3.06	1.79	1.23	1.98	4.57	1.88	3.35	3.41	2.44	2.37	3.36	32.20
"	Meesden	2.47	2.90	1.12	1.18	2.49	5.40	3.54	3.12	2.72	2.27	2.15	3.03	32.39
Buckinghamshire	Princes Risborough (Research Lab.)	2.93	2.52	1.69	1.31	2.34	3.76	2.44	2.58	5.25	2.67	2.53	3.16	33.18
"	Aylesbury (Sewage Works)	2.61	2.48	1.34	.75	1.68	3.14	2.58	3.54	3.80	3.12	2.33	2.53	29.90
"	Slough (Upton)	2.82	2.77	1.36	1.19	2.44	4.16	3.12	3.61	3.31	2.36	2.03	3.29	32.46
"	Buckingham (Foxcote Pumping Stn.)	2.94	2.59	1.64	.88	1.97	3.96	2.76	2.49	2.32	2.51	2.13	2.54	28.73
Oxfordshire	Oxford (Radcliffe Met. Station)	3.54	2.57	1.36	1.08	2.13	3.31	2.50	2.65	3.17	2.85	3.03	3.32	31.51
"	North Newington (Orchard House) ..	2.88	3.09	1.65	.92	2.40	3.84	3.12	2.34	3.97	3.30	2.46	2.81	32.78
Northamptonshire	Wellingborough (Swanspool)	2.55	3.10	1.69	.79	2.12	5.87	2.51	2.67	2.16	2.21	1.91	3.00	30.58
"	Ravensthorpe	3.08	3.17	1.94	.68	2.17	3.73	2.88	2.84	2.42	2.30	1.67	2.32	29.20
Huntingdonshire	St. Ives (Tenterleas)	2.06	2.52	.91	1.08	1.99	4.99	2.10	2.94	3.39	1.50	1.37	2.03	26.88
"	Whittlesea Mere	2.36	2.43	.91	.66	2.47	5.38	2.36	2.43	2.45	1.46	1.43	2.31	26.65

Table 8c. Monthly and Annual Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Bedfordshire 3	Woburn (Experimental Farm)	2.71	2.71	in.	1.06	2.00	5.32	2.09	2.25	2.73	2.07	in.	2.55	29.24
" 3	Sandy (Moggerhanger Park)	2.19	2.53	1.70	.77	1.83	4.92	2.49	2.55	2.84	1.91	1.74	2.55	28.02
Cambridgeshire 2	Cambridge (Botanic Gardens)	2.28	2.74	.78	1.14	2.58	5.27	3.24	2.36	2.66	1.82	1.59	2.55	29.01
" 2	Littleport (Highfield House)	1.85	2.23	.77	.85	2.52	3.36	3.15	3.42	2.97	2.05	1.34	2.36	26.87
" 2	March	2.15	2.91	1.14	.74	2.74	4.37	2.90	2.62	2.76	1.91	1.20	2.25	27.69
Essex 1	Hatfield Broad Oak (Barrington)	2.08	2.72	1.12	1.21	2.67	5.62	2.64	3.17	3.76	2.60	1.86	2.85	32.30
" 3	Shoeburyness	2.51	1.84	.82	1.38	2.23	4.24	2.37	3.85	4.00	2.28	1.26	3.04	29.82
" 3	Basildon (New Town)	1.88	2.29	1.09	1.37	1.73	4.33	2.55	3.56	5.45	2.81	1.46	2.99	31.50
" 4	Margaretting (Writtle Park)	2.14	2.67	1.10	1.44	2.20	4.28	3.80	2.94	4.87	2.58	1.68	2.99	32.69
" 4	Bradwell-on-Sea (Bellropes)	3.37	2.50	.76	1.01	2.02	5.14	2.86	5.69	3.88	2.43	1.39	3.54	34.59
" 5	Earls Colne (Grammar School)	2.05	2.86	.77	.91	1.96	4.77	3.37	3.68	3.60	2.11	1.27	2.85	30.20
Suffolk 1	Clare (Little Wrattling)	2.08	3.05	.70	1.07	2.08	5.52	3.29	2.69	2.81	1.88	1.35	2.78	29.30
" 2	Ipswich (Belstead Hall)	2.51	2.59	.96	.89	2.35	4.78	2.52	3.54	2.84	2.54	1.14	3.58	30.24
" 3	Felixstowe	2.46	2.71	1.12	.92	2.59	4.09	2.09	2.62	2.40	1.87	.96	3.25	27.08
" 4	Lowestoft (Grammar School)	2.19	3.11	1.59	1.13	2.81	3.21	2.08	2.32	1.85	1.97	1.07	3.03	26.36
" 5	Bury St. Edmunds (Westley Hall)	2.40	3.32	.76	1.30	2.24	4.08	2.80	2.63	2.85	2.13	1.60	2.80	28.91
Norfolk 1	Harleston (Starston)	2.19	3.47	1.22	1.03	2.89	3.68	2.57	3.23	2.14	1.93	1.22	2.75	28.33
" 2	Sprowston	2.23	3.58	1.11	1.14	3.35	2.75	3.34	2.87	1.92	1.93	1.10	2.68	27.99
" 2	Aylsham (The Mount)	2.29	4.13	1.58	.99	3.19	3.52	3.40	3.43	2.30	2.18	.98	2.77	30.76
" 3	Sandringham House Gardens	2.86	4.08	1.41	1.08	3.31	2.54	3.29	2.39	2.96	2.08	1.26	3.27	30.53
" 3	Cromer (Howards Hill)	2.18	3.75	1.34	1.49	3.06	2.06	4.85	2.19	2.15	2.16	.66	3.09	28.98
" 3	Wells (Outfall Sewage Works)	2.42	3.85	.97	1.06	2.61	1.97	4.86	2.45	2.25	2.02	.97	2.53	27.96
" 4	Santon Downham	1.89	2.50	.49	1.10	2.47	3.71	3.03	2.70	2.61	1.87	1.25	2.87	26.49
" 4	Marham (Pumping Station)	2.07	3.69	.96	.94	3.23	2.68	3.72	2.28	2.60	2.21	1.42	3.02	28.82
Wiltshire 1	West Lavington (Dauntsey's School)	2.92	2.98	1.75	.72	3.25	2.68	2.25	3.01	3.64	2.07	2.21	3.84	31.32
" 1	Chippenham (Waterworks)	2.96	3.69	1.37	1.08	2.58	3.71	2.92	2.66	4.17	2.89	2.55	3.25	33.83
" 3	Fonthill House Gardens	4.24	3.78	2.11	1.26	3.20	4.49	1.93	4.44	5.92	3.59	2.66	4.55	42.17
" 3	Porton (C.D.E.E.)	3.35	2.53	1.60	.80	2.40	3.08	1.95	3.23	4.01	3.24	2.65	3.49	32.33
" 5	Marlborough College	3.57	3.37	1.54	.98	3.40	3.30	3.13	2.83	4.80	2.76	2.81	3.63	36.12
Dorset 3	Crech Grange	4.95	3.47	1.68	.61	2.54	2.95	2.42	3.83	5.14	3.41	4.00	4.64	39.64
" 3	Beaminstor (East Street)	4.94	4.17	1.69	.97	3.61	3.79	2.62	2.76	6.11	3.55	3.18	5.24	42.63
" 4	Blandford (King's Road)	4.67	3.44	1.85	.57	2.77	4.36	1.75	2.88	4.36	3.52	2.84	4.56	37.57
" 4	Plymouth (Mount Batten)	4.63	3.93	2.33	.75	3.45	3.93	3.22	5.81	5.29	3.21	3.16	5.00	44.71
Devonshire 1	Ashburton (West Street)	7.10	5.90	2.77	.94	4.24	3.86	4.37	5.38	7.15	4.91	2.91	6.82	56.35
" 4	Princetown (H.M. Prison)	9.06	9.71	3.66	2.29	8.19	6.27	6.74	11.49	10.18	8.11	7.68	9.41	92.79
" 5	Teignmouth (Den Gardens)	3.57	3.28	2.08	.58	2.68	2.96	2.27	2.95	3.86	2.71	2.46	4.31	33.71
" 6	Clyst Honiton (Exeter Airport)	2.62	3.37	1.23	.39	2.16	3.57	2.03	3.11	3.19	2.85	2.81	4.44	31.77
" 6	Crediton (Okefield)	2.89	3.56	1.18	.55	2.83	3.14	3.14	3.36	3.64	2.98	3.04	4.78	35.09

Table 8c. Monthly and Annual Rainfall—ENGLAND, WALES AND THE ISLANDS (*continued*)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Devonshire, N.	Ilfracombe (Bowling Green)	3.92	6.16	.93	1.03	3.20	3.21	2.12	4.54	6.36	4.53	4.03	4.95	44.98
"	Okehampton (Waterworks)	6.11	6.97	1.36	1.50	5.08	3.37	3.74	5.99	6.97	6.19	4.70	6.35	58.33
"	Torrington (Caynton House)	4.12	3.83	.85	.92	3.21	3.05	2.89	4.44	5.35	3.97	3.06	4.36	40.05
Cornwall.	Newquay (Mount Wise)	4.07	5.05	2.47	1.09	2.42	3.91	3.22	6.49	5.41	2.71	2.76	5.24	44.84
"	Bodmin (Castle Hill House)	6.32	6.17	2.85	1.19	4.88	6.42	3.51	8.52	7.88	3.60	3.79	6.19	61.32
"	Camelford (Stannon Clay Works)	6.57	7.28	2.59	2.04	5.08	7.35	4.20	11.21	8.38	5.36	7.62	6.89	74.57
"	Bude (School House)	3.48	4.10	1.09	.98	2.55	3.82	2.85	6.65	5.98	3.56	4.01	3.97	43.04
"	Penzance (Penlee Gardens)	6.06	5.84	4.64	1.63	3.22	3.75	3.29	5.78	5.74	3.50	3.28	6.50	53.23
"	Falmouth	6.98	5.63	5.10	1.29	3.59	3.78	3.22	5.12	6.44	2.69	3.46	6.19	53.49
"	St. Austell (Poltair Public Gardens)	6.74	6.59	4.09	1.24	5.13	4.48	4.30	7.58	6.94	3.83	3.64	7.26	61.82
"	Scilly (St. Mary's Coastguard Stn.)	4.02	4.13	4.34	1.22	2.66	2.89	2.09	4.61	5.25	2.84	1.77	4.71	40.53
Somersetshire	Litton (Sherborne Reservoir)	3.32	4.23	1.24	1.57	3.18	3.09	2.99	4.84	6.08	3.33	2.49	4.78	41.14
"	Bath (Henrietta Park)	2.60	3.69	1.27	1.07	2.24	5.76	3.51	2.41	4.81	2.22	2.33	3.84	35.75
"	Long Ashton (Research Station)	2.78	4.38	1.21	1.26	3.58	3.63	1.99	3.07	5.47	3.18	2.42	3.66	36.63
"	Street (Millfield)	1.95	3.23	.93	.55	2.18	3.26	1.69	3.33	4.66	2.23	3.21	4.02	31.24
"	Burnham	1.46	2.87	.86	.56	2.35	4.04	2.83	4.70	4.60	2.68	3.05	4.69	34.69
"	Taunton (Vivary Park)	2.42	3.05	.80	.55	2.21	2.96	1.90	2.22	4.01	1.66	2.27	3.88	27.93
"	Dunkery Beacon	7.28	8.42	2.14	2.06	7.53	4.14	4.82	6.28	10.53	5.87	3.87	6.92	69.86
"	East Anstey (Dassels)	4.46	6.19	1.83	1.68	5.46	4.03	3.00	6.90	6.41	5.19	4.62	6.20	55.97
Gloucestershire	Alderley (Pumping Station)	2.69	3.96	1.22	1.06	3.24	4.34	2.15	2.21	4.86	2.17	2.56	3.37	33.83
"	Cheltenham (Montpellier Gardens)	1.93	3.25	1.11	.69	2.55	3.78	3.15	1.83	3.42	2.09	2.98	2.70	29.48
"	Blockley (The Manor House)	2.61	4.04	1.40	.80	2.90	3.99	2.61	2.69	3.50	3.00	3.10	3.22	33.86
"	Lechlade (St. John's Lock)	2.85	3.31	1.13	.79	2.48	3.91	2.50	3.23	3.52	2.51	2.69	3.58	32.50
"	Cirencester (Royal Agric. College)	3.25	4.00	1.56	.83	2.55	3.90	3.07	2.81	5.36	2.36	3.13	3.56	36.38
Herefordshire	Ross-on-Wye	2.19	4.95	1.02	.55	2.15	3.73	2.19	1.90	6.22	3.41	3.11	3.20	34.62
"	Vowchurch (Ladywell House)	3.02	5.86	1.80	.60	2.89	3.21	3.15	2.93	5.47	3.78	2.49	4.12	39.32
"	Bromyard (The Down House)	2.21	4.81	1.33	.65	2.63	3.27	3.26	2.36	5.24	3.00	2.62	2.75	34.13
"	Presteigne (Middlemoor)	2.89	6.06	1.91	.55	3.07	2.76	5.98	3.28	6.09	3.33	2.55	3.73	42.20
Shropshire	Bromfield (Oakly Park)	2.68	5.69	1.75	.44	2.64	4.23	4.36	2.87	7.31	3.24	2.10	2.95	40.26
"	Church Stretton (Sewage Works)	3.08	4.70	1.53	.47	2.23	4.42	4.06	4.96	6.43	3.71	2.37	2.76	40.72
"	Shrewsbury (Monkmoor)	1.72	3.16	.92	.51	1.92	4.58	4.18	3.36	6.82	2.07	1.79	2.33	33.36
"	Hilton (Pumping Station)	1.72	3.76	.97	.40	1.88	3.75	3.74	2.24	3.81	2.54	1.60	2.27	28.68
"	Newport (Harper Adams Ag. Coll.)	1.60	3.38	.87	.38	1.91	3.69	7.16	4.07	5.72	2.91	1.80	2.56	33.37
"	Oswestry (Mount Reservoir)	3.55	5.24	1.39	.53	3.44	3.41	5.50	3.69	5.72	2.83	1.67	3.26	40.35
Staffordshire	Lichfield (Hanch Reservoir)	1.93	4.51	1.68	.50	1.57	4.04	5.46	2.84	2.66	2.83	1.62	3.26	32.95
"	Stafford (Riverway Nurseries)	2.22	3.65	1.59	.56	1.98	4.54	4.62	3.16	3.35	2.51	1.62	3.13	32.93
"	Keele (Univ. Coll. of North Staffs.)	2.72	4.15	1.39	1.04	3.04	4.77	3.68	3.70	4.04	3.61	1.81	2.77	36.72
"	Burton (Shobnall)	1.94	3.34	1.62	.56	1.87	3.69	4.41	1.44	2.66	2.67	1.83	3.01	29.22

Table 8c. Monthly and Annual Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Staffordshire 5	Ellastone Vicarage	in. 3.66	in. 5.07	in. 1.78	in. 1.29	in. 3.74	in. 4.78	in. 4.39	in. 2.65	in. 3.52	in. 3.62	in. 1.90	in. 4.19	in. 40.59
" 5	Leek (Lower Haddon)	3.85	6.85	1.85	1.60	3.70	6.35	5.15	3.95	5.65	4.20	2.00	3.85	49.00
Worcestershire 2	Kidderminster (St. Johns Avenue)	2.26	4.58	.91	.37	2.17	3.54	3.35	2.41	4.98	2.07	1.62	2.51	30.77
" 2	Worcester (Redhill)	1.76	3.70	1.42	.53	2.32	3.53	2.33	2.47	5.67	2.00	2.27	3.23	31.23
Warwickshire 1	Wellesbourne	2.51	3.06	1.15	.47	1.95	4.19	2.64	3.37	3.48	2.37	2.42	2.10	29.71
" 1	Alcester (Arrowside)	2.21	3.47	1.23	.62	2.41	3.63	2.90	2.64	3.80	2.35	2.07	2.48	29.81
" 4	Birmingham (Edgbaston Obs'y.)	2.61	4.94	1.43	.73	2.18	4.23	3.41	2.72	3.92	2.48	1.97	3.33	33.95
" 4	Nuneaton (Hartshill Sewage Works)	2.19	3.12	1.73	.87	1.67	4.78	5.90	1.81	2.89	2.43	2.06	2.81	32.26
Leicestershire 2	Caldecott (Pumping Station)	2.30	3.07	1.56	.54	1.96	4.63	2.21	2.28	1.33	2.14	1.46	1.98	25.46
" 4	Thornton Reservoir	2.72	3.09	1.50	.78	1.78	3.43	4.34	2.80	2.68	2.40	2.19	2.96	30.67
" 4	Melton Mowbray (White Lodge)	2.34	3.33	1.61	.66	1.96	4.68	2.98	2.37	1.98	1.96	1.67	2.45	27.99
" 4	Loughborough (Nanpantan Res.)	2.74	3.47	1.89	.74	2.35	3.71	4.36	1.95	3.25	2.53	1.36	3.04	31.39
Lincolnshire 2	Spalding (Pode Hole)	2.43	3.31	1.71	.87	2.40	3.79	3.73	4.27	2.06	2.65	1.45	2.72	31.39
" 3	Kirton	2.17	3.71	1.51	.87	2.64	3.48	4.00	1.61	1.95	2.11	1.12	2.47	27.64
" 3	Cranwell Airfield	2.14	2.69	1.50	.46	2.14	4.33	4.56	2.11	1.80	1.39	1.09	2.65	26.86
" 3	Potterhanworth (Old Hall)	2.22	3.76	1.79	.40	2.03	4.71	4.70	2.72	2.72	1.56	.89	3.08	30.58
" 3	Horncastle	2.18	3.50	2.08	.84	2.87	3.93	4.90	1.73	2.10	1.83	.82	2.86	29.64
" 4	Skegness (Marine Gardens)	1.99	3.48	1.79	.90	2.54	2.56	4.82	1.75	2.63	1.41	.85	2.91	27.63
" 4	Withern (Pumping Station)	2.17	3.97	2.53	1.16	3.11	2.93	5.38	1.97	2.19	1.51	.77	2.93	30.62
" 4	Wold Newton Manor	2.16	3.71	2.21	1.36	2.40	5.27	5.99	3.88	2.26	1.71	.95	3.14	35.04
" 5	Brigg (Wrawby Road)	1.67	3.25	1.51	.68	1.99	4.37	3.65	2.56	1.75	1.77	.70	2.94	26.84
" 6	Gate Burton Hall	1.94	2.72	1.49	.34	1.87	5.10	5.79	1.75	1.57	1.84	.97	2.84	28.22
" 7	Crowle (N. Level Pumping Station)	1.93	3.15	1.51	.30	1.64	3.66	4.69	1.84	1.36	1.43	.63	2.70	24.84
Nottinghamshire 2	Newark (The Friary)	2.90	3.25	1.47	.52	2.10	4.34	4.73	3.92	1.98	1.18	.92	2.97	30.28
" 5	Nottingham (The Castle)	2.55	2.74	1.43	.73	1.83	4.17	3.97	2.24	2.04	2.10	1.32	2.55	27.67
" 5	Mansfield (Carr Bank)	2.64	3.54	1.81	.77	2.37	5.03	4.87	2.56	2.51	2.31	.81	3.80	33.02
Derbyshire 6	Whatstandwell (Meerbrook Sough)	4.11	5.12	2.19	1.19	3.30	4.09	4.81	2.91	3.12	2.97	.98	4.30	39.09
" 6	Buxton (Terrace Slopes)	5.38	7.77	2.37	2.22	4.72	7.01	6.02	3.37	5.92	5.04	1.79	5.20	56.81
" 6	Fairholmes (Nursery)	5.54	7.69	3.45	1.82	4.06	5.25	6.64	4.01	5.45	4.15	1.54	5.28	54.88
" 8	Chesterfield (Sewage Works)	3.09	4.45	1.78	.75	2.41	6.26	5.76	3.23	2.49	2.30	.71	3.63	36.86
Cheshire 1	Ringway (Manchester Airport)	3.00	4.34	1.76	.76	2.31	5.41	4.30	5.09	3.94	2.50	1.20	3.09	37.70
" 2	Nantwich (Baddiley Waterworks)	2.53	4.20	1.06	.58	2.29	4.68	3.79	3.15	5.40	3.09	2.16	2.88	35.81
" 2	Northwich (Winnington)	2.63	4.51	1.40	.80	2.27	4.18	3.72	2.48	4.56	2.72	1.66	3.34	34.27
" 3	Birkenhead (Bidston Observatory)	2.45	3.99	1.34	.49	2.30	4.69	3.35	4.47	4.93	2.93	1.71	3.62	36.27
Lancashire, S. 2	Winwick (Pumping Station)	2.11	5.89	1.46	.77	3.78	4.48	5.41	3.60	3.39	3.35	1.56	3.86	39.66
" 3	Ashton-under-Lyne (Knott Hill Res.)	3.95	5.79	2.43	1.33	3.51	5.42	4.84	6.58	5.10	3.65	1.65	3.61	47.86
" 3	Bolton (Heaton Reservoir)	4.18	7.70	2.15	1.79	4.65	5.78	4.92	5.26	5.07	4.84	2.17	4.49	53.00
" 3	Bacup (Sheephouse Reservoir)	6.87	9.64	3.33	2.21	5.90	5.59	5.07	5.08	6.04	5.78	2.32	6.32	64.15

Table 8c. Monthly and Annual Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Lancashire, C. ... 1	Squires Gate (Blackpool Airport) ...	3.38	5.73	1.32	1.20	3.22	3.53	2.78	3.98	3.23	3.12	1.49	3.33	36.31
" ... 1	Stonyhurst College ...	3.53	8.96	1.66	1.83	5.86	4.61	4.61	5.02	4.95	4.29	1.86	3.61	50.79
" ... 2	Chorley (Common Bank Sew. Wks.)	3.25	6.19	1.69	1.25	3.98	4.43	3.48	3.20	4.62	3.04	1.91	3.32	40.36
" ... 3	Fornby (Freshfield Road) ...	2.45	5.75	1.61	.96	3.76	2.81	3.87	3.56	3.99	3.32	1.70	3.55	37.33
Lancashire, N. ... 3	Morecambe ...	4.02	5.31	1.61	1.41	3.86	3.54	2.57	3.70	4.48	4.84	1.53	3.64	40.51
" ... 5	Garstang (Grizedale Reservoir) ...	4.48	6.66	1.60	1.82	5.31	4.45	3.42	3.39	6.39	4.52	2.80	4.17	49.01
Yorkshire, W.R. ... 1	Sedbergh (Brigflatts) ...	5.60	7.15	1.01	1.75	5.89	3.43	3.56	4.60	5.66	6.20	1.64	3.63	50.12
" ... 2	Settle (Gasworks) ...	5.83	5.89	1.02	1.13	5.34	4.39	3.80	5.27	5.40	4.35	1.60	4.98	49.00
" ... 2	Ribblehead Station ...	6.75	10.75	2.26	3.16	7.21	4.88	5.46	6.99	7.77	7.03	2.20	4.90	69.36
" ... 6	Balby (Sewage Works) ...	2.27	3.07	1.88	.28	1.78	4.10	5.42	2.19	1.59	1.36	.67	2.85	27.46
" ... 7	Sheffield (Weston Park) ...	3.39	4.79	1.96	.77	2.81	4.98	5.69	2.59	3.38	2.62	.61	4.33	37.92
" ... 7	Penistone (Ingbirchworth Res.) ...	3.77	5.36	2.79	.86	3.49	4.78	5.50	3.52	4.10	3.07	.98	4.66	42.88
" ... 8	Huddersfield (Oakes) ...	3.81	6.93	2.39	1.05	4.29	5.33	4.94	3.53	4.23	2.98	1.03	4.41	44.92
" ... 8	Wakefield (Clarence Park) ...	2.49	4.34	1.73	.42	2.51	3.75	4.32	2.58	2.96	1.55	.77	3.44	30.86
" ... 9	Goole (Sewage Pumping Station) ...	2.10	3.47	1.57	.74	1.57	4.28	3.31	2.46	1.54	1.83	.59	3.25	26.71
" ... 9	Bingley (St. Ives Research Station) ...	3.42	5.53	1.82	.74	4.27	4.79	3.45	4.50	3.23	3.25	.87	4.54	40.41
" ... 10	Cawood (Exp. Husbandry Farm) ...	2.05	3.36	1.51	.46	2.62	3.25	3.14	2.35	2.26	1.42	.59	2.97	25.98
" ... 10	Upper Barden Reservoir ...	4.53	10.12	2.36	1.49	5.91	6.31	4.22	5.32	5.40	4.28	1.67	5.70	57.31
" ... 11	Knaresborough (Water Tower) ...	2.49	4.20	1.78	1.01	2.95	2.65	3.15	4.69	2.69	1.86	.68	3.79	31.94
" ... 11	Ramsgill (Raygill House) ...	5.08	6.49	2.29	1.40	6.31	3.73	4.91	3.70	4.71	4.62	1.53	5.85	50.62
Yorkshire, E.R. ... 2	Birdsall Gardens ...	3.02	4.28	3.20	1.35	3.18	4.74	3.58	3.10	2.65	2.24	.95	3.99	36.28
" ... 3	Easington (Primary School) ...	2.13	3.65	2.16	.84	2.29	3.69	3.29	1.31	1.80	1.38	.70	3.03	26.27
" ... 3	Hull (Pearson Park) ...	2.17	4.22	1.99	1.29	2.23	3.78	3.24	2.20	2.27	1.54	.58	3.08	28.59
" ... 3	Market Weighton (Dalton Holme) ...	2.54	3.68	2.11	1.04	2.46	4.37	3.15	1.72	2.04	1.95	.75	3.71	29.52
" ... 3	Lowthorpe (Woodman's Cottage) ...	2.66	4.06	1.91	.99	1.63	3.44	3.83	1.53	2.00	2.02	.61	3.33	28.01
Yorkshire, N.R. ... 1	Leyburn (Bolton Hall) ...	3.23	5.13	1.32	.88	4.53	3.83	3.04	4.48	4.02	2.79	.76	4.49	38.50
" ... 2	Felixkirk (Mount St. John) ...	2.50	3.80	3.00	1.05	3.15	2.79	2.65	3.88	3.16	1.81	.91	2.82	31.52
" ... 2	Scruton (Post Office) ...	2.17	3.82	1.31	1.19	3.22	4.27	2.76	2.41	2.50	1.69	.85	3.03	29.22
" ... 3	York Museum ...	2.24	3.56	2.01	.61	3.40	3.24	2.87	2.33	2.41	1.37	.70	3.41	28.15
" ... 4	Farndale (Vicarage) ...	3.43	3.36	3.87	1.81	3.31	3.55	3.11	2.32	2.78	2.56	1.19	4.33	35.60
" ... 5	Scarborough ...	2.96	4.10	2.90	1.19	2.43	3.69	2.55	2.40	1.50	1.37	.62	2.78	28.49
" ... 6	Middlesbrough (Albert Park) ...	1.58	2.84	2.27	1.48	2.47	3.01	2.23	3.02	2.68	1.24	.79	2.46	26.07
" ... 6	Baldersdale (Hury Reservoir) ...	2.88	6.32	2.68	1.45	4.68	3.56	3.02	4.18	4.24	2.54	.85	4.88	41.28
" ... 1	Darlington (South Park) ...	1.80	3.89	2.08	1.38	2.85	3.23	2.91	4.30	2.41	1.46	.67	3.39	30.37
Durham ... 2	Durham (University Observatory) ...	1.37	3.71	2.17	1.24	3.61	2.84	2.02	2.47	1.74	1.34	.48	3.16	26.15
" ... 2	Weardale W.W. (Tunstall Reservoir) ...	2.91	4.41	2.73	1.73	4.05	3.81	2.81	3.12	2.86	2.43	.67	5.41	36.94
" ... 2	Haydon Bridge (Shaftoe Trust Sch.) ...	1.72	3.74	2.05	1.77	3.30	2.84	4.46	2.66	2.44	1.77	.92	3.46	31.13
Northumberland ... 3	Newcastle (Leazes Park) ...	1.67	3.47	3.21	1.23	3.08	2.58	3.49	2.54	1.63	1.25	.48	3.74	28.37

Table 8c. Monthly and Annual Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Northumberland	Bellingham (High Green)	2.51	3.50	2.37	2.16	3.38	3.07	5.80	3.32	3.64	2.21	.95	4.81	37.72
"	Morpeth (Cockle Park)	2.30	2.91	4.11	2.09	2.94	3.75	3.30	2.58	2.82	1.94	.60	4.15	33.49
"	Howick Hall Gardens	2.82	2.95	3.52	1.91	2.63	2.16	3.74	2.06	2.15	1.52	.55	3.67	29.68
"	Ilderton (Lilburn Tower Gardens)	2.71	3.53	3.70	2.86	2.77	3.05	4.00	3.29	2.66	1.72	.57	4.69	35.55
"	Berwick-on-Tweed (Ramparts)	1.83	1.86	3.41	1.55	1.89	2.49	3.47	4.38	2.25	1.34	.69	3.13	28.29
Cumberland	Silloth Airfield	2.93	2.83	1.22	1.32	3.01	2.73	3.54	3.13	3.04	3.48	1.38	2.61	31.22
"	Geltsdale	2.96	4.16	.78	2.17	3.34	2.45	4.23	4.26	4.13	3.70	1.84	4.40	38.42
"	Keswick (High Hill)	6.31	5.99	1.25	1.70	5.02	3.98	3.26	6.73	6.44	5.41	1.21	3.96	51.26
"	Ravenglass (The Grove)	4.50	5.32	1.68	1.45	4.03	4.70	3.83	3.89	4.56	4.54	2.67	3.98	45.15
"	Ennerdale (Gillerthwaite)	11.30	11.80	4.50	4.25	7.00	6.70	5.90	6.40	8.50	11.80	3.30	7.50	88.95
Westmorland	Appleby Castle	3.17	4.75	.69	.70	3.52	3.00	3.46	4.82	3.59	4.37	.59	2.68	35.34
"	Ambleside	9.16	8.50	1.68	2.03	6.13	3.86	4.59	5.29	8.69	8.68	2.17	7.15	67.93
"	Kendal (Fisher Tarn Reservoir)	5.51	6.50	1.47	1.82	6.76	4.39	4.43	5.63	9.11	7.71	1.63	4.31	59.27
Monmouthshire	Newport W.W. (Nantyridd)	4.49	6.74	1.50	.96	3.22	4.37	5.25	4.13	8.93	3.63	2.69	4.33	50.24
"	Abergavenny (Plâs Derwen)	3.94	7.30	1.75	.61	4.20	3.33	3.68	3.09	7.77	5.05	2.14	5.03	47.89
Glamorgan	Swansea (Victoria Park)	4.30	5.49	1.13	.68	3.78	4.69	6.20	4.66	8.54	4.54	3.75	4.49	52.25
"	Treherbert (Tyn-y-waun)	10.10	12.06	2.06	2.44	7.90	6.21	8.06	9.14	15.98	12.09	4.73	9.22	99.99
"	Cardiff (Penylan)	4.23	5.75	1.01	.74	4.33	3.12	3.42	5.69	7.01	4.70	2.46	4.55	47.01
Carmarthenshire	Llanddeusant (Ponterynfe)	5.56	8.02	1.04	1.26	5.09	3.87	5.58	3.52	11.07	5.31	3.68	5.45	59.45
"	Conwil-Elvet (Cwm-tawel Reservoir)	6.14	6.59	1.44	1.46	5.22	5.06	7.85	7.80	14.08	4.71	4.12	5.32	69.79
"	Abergorlech	6.91	7.78	1.20	1.47	4.65	4.35	6.36	4.70	13.08	5.41	4.05	5.93	65.89
Pembrokeshire	Pembroke (Stackpole Court)	3.29	4.18	1.67	1.41	3.57	3.54	5.23	5.22	6.44	4.44	3.99	4.24	47.22
"	Haverfordwest (Hospital Grounds)	4.09	4.65	1.65	1.40	3.75	3.69	5.58	5.72	7.70	5.79	4.12	4.76	52.90
"	Maenclochog (Ddolwen Bridge)	4.73	5.23	2.07	1.55	5.82	5.14	6.43	6.67	10.57	4.73	4.56	6.31	63.81
Cardiganshire	Aberporth	3.94	3.97	.83	.70	3.75	3.42	4.48	4.25	7.26	3.72	2.90	3.26	42.48
"	Aberystwyth (Plant Breeding Stn.)	3.38	6.31	.88	1.19	2.77	4.82	6.02	4.94	8.94	4.34	4.37	2.91	50.87
"	Swyddffynnon (Crug-lâs)	5.26	7.29	.63	1.45	2.58	3.96	5.35	4.80	8.17	4.36	4.66	4.74	53.25
Brecknockshire	Cardiff W.W. (Cantref Reservoir)	8.33	11.84	2.20	2.16	7.07	4.52	5.96	7.22	11.83	8.49	4.19	7.40	81.21
"	Nant-y-Brain	7.23	11.23	1.44	1.94	6.00	4.46	6.47	4.85	10.79	6.72	4.28	6.50	71.91
Radnorshire	Erwood (Cwrt Gwenddwr)	4.54	7.40	1.08	1.28	3.68	3.97	3.47	3.32	7.50	5.42	2.72	4.83	49.21
"	Llandrindod Wells (The Common)	4.38	7.52	1.03	.94	2.79	3.67	4.87	2.97	6.71	4.14	3.08	3.70	45.80
"	Birmingham W.W. (Tyrmynydd)	7.31	9.57	1.99	1.75	4.76	4.53	5.62	4.30	9.28	5.49	3.66	5.89	64.15
Montgomeryshire	Machynlleth (Garth)	5.51	10.50	1.85	2.21	5.00	4.53	6.41	5.31	8.42	6.30	4.45	4.99	65.48
"	Llangurig (Cefn-Brwyn)	7.76	15.01	2.61	4.17	6.71	5.13	7.92	6.34	11.58	7.33	5.58	7.46	87.60
"	Newtown (Penarth Weir)	3.53	4.32	.87	.61	2.87	4.21	4.52	2.27	6.49	3.04	1.91	3.99	38.63
"	Lake Vyrnwy (Experimental Stn.)	6.83	9.03	1.77	2.19	6.54	4.53	5.21	3.66	10.32	4.22	2.69	5.63	62.62
Flintshire	Hawarden Bridge	3.03	4.36	1.39	.23	1.72	4.71	3.45	2.71	4.38	2.11	1.94	2.81	32.84
"	Bodfari (Nantlys)	2.95	3.94	1.13	.56	2.39	4.97	3.02	2.89	4.95	2.39	1.58	2.46	33.23

Table 8c. Monthly and Annual Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Denbighshire1	Wrexham W.W. (Pack Saddle Res.)	in. 3.77	in. 5.85	in. 1.50	in. .62	in. 2.41	in. 4.18	in. 4.14	in. 4.09	in. 4.28	in. 3.02	in. 2.22	in. 3.56	in. 39.64
"1	Nantglyn (Pant-y-maen)	5.24	10.05	1.78	1.62	4.44	4.14	4.97	3.91	7.11	4.76	3.34	4.01	55.37
Merionethshire1	Llandrillo (Crogen)	5.73	8.01	1.44	1.29	5.55	5.49	5.00	4.70	7.64	4.61	2.05	4.57	56.08
"3	Blaenau Festiniog (Oakeley Quarry)	9.29	15.20	2.91	4.84	9.55	5.73	8.93	8.01	15.01	10.57	5.43	6.68	102.15
"4	Dolgelly (Bronygader)	7.26	11.99	.96	1.96	6.94	4.89	6.47	5.43	10.26	6.60	4.02	7.62	74.40
"5	Aberdovey (Plás Penhelig)	3.64	7.77	1.30	1.43	3.80	4.92	6.10	4.12	8.41	4.64	4.69	3.68	54.50
Caernarvonshire2	Llandudno (Cricket Ground)	2.66	5.04	.69	.85	2.37	3.77	3.26	1.80	6.10	2.48	1.97	2.41	33.40
"4	Pwllheli (West End)	3.63	6.70	.81	.91	3.38	4.15	4.29	2.92	7.12	3.94	4.11	4.12	46.08
"5	Snowdon (Cwm Dyli)	13.70	19.64	3.40	4.49	10.59	5.98	9.21	9.78	14.23	11.46	7.11	7.39	116.98
Anglesey	Holyhead (Valley Airfield)	3.26	5.21	.85	1.04	4.08	4.03	3.62	2.80	6.72	3.16	2.95	3.43	41.15
"	Llanerchymedd (Llwydiarth Esgob)	3.21	5.91	.85	1.13	4.59	5.08	3.51	2.65	7.66	3.44	2.89	3.35	44.27
Isle of Man	Douglas (Borough Cemetery)	5.45	6.37	1.74	1.11	3.35	3.83	4.73	5.41	4.79	3.70	3.78	6.53	50.79
"	Sulby (Filter House)	8.11	5.98	2.48	.99	3.14	4.45	3.08	4.27	4.98	3.43	1.97	7.01	49.89
Channel Islands	St. Peter (Jersey Airport)	6.06	3.87	3.17	.85	2.56	3.06	.87	2.99	3.06	3.43	2.78	3.88	36.58
"	Guernsey (States Airport)	6.03	3.58	3.00	1.01	1.64	4.31	.72	2.27	3.00	3.17	3.27	4.92	36.92
SCOTLAND														
Wigtownshire1	Castle Kennedy (Lochinch)	6.73	5.35	1.68	1.54	2.56	4.10	4.40	5.23	5.33	3.95	3.55	5.91	50.33
"3	Port William (Monreith)	5.11	4.05	1.70	1.08	3.31	4.40	3.83	3.97	5.05	4.29	2.62	5.43	44.84
"4	Newton Stewart (Little Barraer)	5.40	4.32	1.23	1.35	2.76	3.80	4.05	4.95	6.28	4.05	2.92	5.84	46.95
Kirkcudbrightshire3	Mossdale (Hensol)	7.37	4.19	1.53	1.49	4.13	4.11	4.57	4.51	7.13	5.32	2.80	5.26	52.41
"4	Auchencraig (Torr House)	6.25	4.02	1.47	1.45	3.70	3.90	4.10	4.83	5.27	4.88	3.58	5.71	49.16
"5	Lochrutton (Dumfries Waterworks)	5.68	3.08	1.40	1.05	5.04	3.79	4.47	3.47	5.73	4.37	2.14	4.65	44.87
Dumfriesshire3	Dumfries (Crichton Royal Institute)	5.23	3.95	1.54	.95	3.88	3.68	4.70	3.75	5.56	4.19	1.63	3.82	42.88
"3	Durrisdeer (Drumlanrig)	6.37	3.25	1.07	1.34	3.66	4.61	4.98	5.38	6.13	3.94	2.53	5.14	48.40
"4	Moffat (St. Margaret's)	6.15	4.50	1.79	1.56	3.71	3.42	5.82	5.30	7.30	4.35	1.93	5.12	50.95
"5	Canonbie (Irvine House)	5.21	3.53	1.01	2.32	3.83	2.93	4.00	6.54	6.33	4.98	1.60	3.72	46.00
"5	Eskdalemuir Observatory	6.45	5.03	1.94	2.49	4.34	3.73	6.69	6.05	6.11	4.69	2.13	5.39	55.04
Roxburghshire3	Hawick (Wauchope)	3.95	2.53	.88	1.52	3.28	2.89	5.71	2.58	3.80	2.35	.72	3.66	33.87
"3	Crailing	1.62	2.18	1.23	2.23	2.43	2.73	5.18	2.19	2.50	1.30	.80	3.36	27.75
Selkirkshire2	Selkirk (Bowhill)	3.12	3.30	1.68	1.57	2.41	3.27	5.52	2.98	2.75	2.32	.68	4.89	34.49
Peeblesshire2	Stobo Castle	3.68	3.35	1.38	1.49	2.47	3.92	6.02	3.68	3.91	2.14	1.21	5.59	38.84
Berwickshire4	Marchmont House	1.91	2.36	2.79	2.33	2.73	3.94	4.41	4.05	2.26	1.48	1.12	4.75	34.13
"2	Oxton (Channelkirk School)	2.58	2.62	2.20	2.08	2.59	3.31	4.94	2.62	2.17	1.70	1.06	5.36	33.23
East Lothian5	North Berwick (East Lodge) . . . . .	.83	2.21	2.61	2.09	1.96	2.51	5.25	2.37	2.39	.86	1.04	3.98	28.10
Midlothian4	Moorfoot Hills (Rosebery)	2.39	2.65	2.11	2.33	2.21	3.31	6.92	2.57	2.17	1.30	.96	4.65	33.57
"5	West Calder (Addiewell)	3.00	2.09	1.52	1.96	3.65	2.84	6.20	5.12	4.17	2.00	1.74	5.35	39.64
"5	Edinburgh (Blackford Hill)	1.37	1.65	1.97	1.38	1.97	3.30	6.47	3.11	2.29	.93	1.08	3.99	29.51

Table 8c. Monthly and Annual Rainfall—SCOTLAND (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Lanarkshire	Crawford (Camps Reservoir)	4·17	3·39	1·41	1·65	2·96	3·01	6·42	4·70	5·01	3·39	1·35	4·72	42·18
"	Carnwath	2·56	2·52	·98	1·27	2·32	2·77	6·21	3·40	3·23	2·31	1·55	4·20	33·32
"	Glasgow (Springburn Park)	3·64	2·94	1·23	1·33	3·47	3·04	5·82	6·49	3·76	3·06	2·11	4·62	41·51
"	Stathaven (Glenagel Reservoir)	4·52	4·11	1·65	2·23	3·75	3·07	4·36	5·99	4·67	4·31	2·35	6·37	47·38
"	Hamilton Waterworks (Townhill)	4·43	2·23	·96	1·16	2·76	3·18	5·25	5·81	4·61	3·20	1·27	5·05	39·91
Ayrshire	Prestwick Airport	3·34	2·97	·79	1·26	2·42	2·52	4·73	4·14	2·87	2·74	1·38	3·78	32·94
"	Kilmarnock (Springhill House)	4·11	2·96	·84	1·48	2·94	2·05	4·95	4·26	4·90	3·84	1·48	4·54	38·15
"	Loch Recawr	9·80	7·50	2·20	3·30	3·90	3·90	6·60	5·90	6·10	6·70	2·70	7·50	66·10
"	Maybole (Culzean Castle Gdns.)	4·74	4·01	·95	1·60	3·05	2·80	4·16	4·39	3·07	3·00	2·22	4·79	38·78
"	Colmonell (Knockdolian)	6·20	4·27	·96	1·71	1·73	4·00	3·91	3·33	3·83	2·93	1·36	5·99	40·22
"	Glen Afton (Ayrshire Sanatorium)	7·54	5·65	1·22	1·98	3·54	3·76	4·41	6·33	5·81	4·80	1·95	7·04	54·03
Renfrewshire	Greenoch (Prospect Hill)	7·27	3·46	1·33	2·35	4·50	3·49	6·30	5·07	5·41	6·37	2·53	7·58	55·66
Stirlingshire	Falkirk (Arnotdale)	2·69	2·06	1·72	1·00	2·91	3·40	7·31	4·53	2·79	2·67	1·53	5·73	38·34
"	Stirling (Sauchie House)	3·92	2·18	1·26	·84	2·67	2·99	6·03	4·67	4·76	4·05	1·47	5·96	40·80
"	Balfour (Old Balikrain)	6·57	3·19	2·00	1·62	4·64	3·67	4·98	5·20	4·94	4·84	1·87	7·22	50·41
Buteshire	Millport (Marine Biological Stn.)	5·20	3·19	1·16	1·78	3·24	2·41	4·59	4·25	4·04	3·14	2·51	7·25	42·76
"	Dougarie Lodge	5·58	3·98	1·54	1·75	3·34	4·54	4·38	4·70	3·72	3·92	2·92	8·97	49·34
Argyllshire	Morvern (Drimmin)	7·63	3·88	2·48	2·83	3·38	2·03	3·50	6·39	5·16	9·30	2·61	5·56	54·75
"	Morvern (Kingairloch)	15·32	5·25	1·99	5·67	7·04	2·40	3·84	10·40	8·92	13·93	5·36	9·87	89·99
"	Glenleven (Kinlochleven)	10·60	5·65	3·09	5·80	8·00	2·82	3·90	6·90	6·65	11·53	2·37	7·92	75·23
"	Glen Etive (Dalness)	11·82	6·08	4·45	8·22	9·77	2·38	3·98	9·61	8·74	13·50	2·59	10·26	91·40
"	Dalmally (Craig)	9·29	4·62	3·31	4·08	6·35	2·28	4·34	6·77	4·70	7·96	2·35	7·97	64·02
"	Bridge of Orchy	8·97	5·19	3·15	5·90	8·11	2·96	5·04	7·78	6·66	10·48	4·61	10·08	78·93
"	Kilmelfort (Kilchoan)	6·54	3·36	1·66	2·84	4·69	2·82	4·45	6·54	5·21	7·49	2·66	5·25	53·51
"	Oban	6·99	2·73	1·37	2·93	4·86	2·10	3·81	5·37	3·96	8·41	2·31	5·51	50·35
"	Loch Caolisfort (Ormsary)	7·08	5·22	1·32	2·28	3·07	3·82	3·97	5·32	4·60	5·02	2·26	7·12	51·08
"	Mull of Kintyre	3·62	3·71	1·71	1·60	3·29	4·90	4·51	4·11	3·88	2·58	3·22	7·16	44·29
"	Largie Castle	5·73	4·79	2·00	1·84	3·56	4·73	3·90	4·38	4·57	4·72	3·01	8·35	51·58
"	Ardriahag (Canal Office)	8·07	4·54	1·92	2·79	3·74	3·22	5·26	7·79	6·11	7·41	3·24	7·43	61·52
"	Inveraray Castle Gardens	8·06	4·19	1·87	4·11	6·16	2·81	4·76	8·50	7·24	8·50	3·41	7·76	67·37
"	Loch Eck (Benmore Gardens)	11·42	5·49	1·99	3·94	5·70	3·78	5·60	8·61	7·37	8·71	3·20	9·91	75·72
"	Loch Sloy (Beinn Ime "North")	18·09	7·45	3·46	7·05	10·38	5·37	7·95	14·71	12·25	14·95	4·58	14·10	120·34
"	Islay (Eallabus)	6·51	4·92	1·47	1·59	2·63	3·41	3·40	4·41	3·03	4·94	3·32	7·16	46·79
"	Jura (Ardlussa)	5·47	3·48	1·03	2·06	3·77	3·56	4·65	5·64	4·29	5·40	3·30	5·53	48·18
"	Colonsay	5·08	4·66	1·19	1·93	3·21	3·75	3·08	4·22	4·31	5·46	3·11	5·48	45·48
"	Iona (Crocmor)	5·83	4·72	1·02	2·56	2·52	3·45	2·86	3·73	3·07	6·02	2·93	4·21	42·92
"	Mull (Gruline)	11·94	5·50	1·37	3·76	5·01	2·62	3·05	6·58	5·81	8·87	3·13	7·03	64·67
"	Tiree Airport	5·73	3·48	·75	2·10	2·70	3·29	1·82	3·12	4·19	4·05	2·67	4·60	38·50

Table 8c. Monthly and Annual Rainfall—SCOTLAND (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Kinrosshire	Loch Leven Sluice	2.26	3.30	2.72	1.74	2.39	3.48	5.33	3.46	3.94	2.86	1.29	7.32	40.09
Fifehire	Arncroach (Belliston)	1.62	2.07	4.33	2.42	2.11	2.76	5.89	3.88	2.30	1.65	.90	4.47	34.40
"	Leuchars Airfield	1.68	2.34	4.07	1.73	1.97	2.37	5.17	2.59	1.87	1.52	.63	3.72	29.66
Perthshire	Loch Dhu	10.41	3.83	2.37	3.10	5.93	3.89	5.90	7.36	6.30	8.18	2.77	10.64	70.68
"	Stathyre	9.67	3.99	3.33	3.08	4.91	4.56	6.55	8.17	6.29	7.12	3.80	14.62	76.09
"	Glendevon (Glenquey Reservoir)	4.69	3.01	2.70	1.88	4.36	3.70	6.16	6.44	7.40	3.94	2.66	10.23	57.17
"	Crieff (Strathearn Hydro)	4.23	1.84	1.93	1.20	3.25	3.90	4.32	3.84	4.87	3.61	1.41	5.99	40.39
"	Loch Turret (Lochain Uaine)	9.25	4.30	5.65	4.10	4.85	4.80	6.80	5.85	7.15	5.60	2.10	8.60	69.05
"	Perth (Wellshill Cemetery)	1.79	2.52	2.69	1.23	2.42	2.97	5.45	4.18	2.75	2.05	1.10	6.06	35.21
"	Aberfeldy (Tigh'n Eilean)	2.83	2.86	1.55	1.02	2.65	3.57	5.66	5.53	4.50	2.63	1.05	5.39	39.24
"	Killin (Kinnell Gardens)	6.77	3.16	1.43	1.68	3.58	3.08	4.19	7.24	5.35	5.35	1.33	8.79	51.95
"	Glenlyon (Meggernie Castle)	8.03	3.69	1.59	2.34	4.32	4.05	4.46	5.83	5.74	6.58	1.38	9.29	57.30
"	Fincastle House	2.51	2.21	1.24	.82	3.29	2.84	4.06	5.37	4.66	2.92	1.10	4.29	35.31
"	Ericht Dam	4.05	2.83	1.56	3.09	5.22	2.45	3.63	5.40	5.21	6.67	1.47	5.54	47.12
"	Blairgowrie (Duncellen)	2.71	1.76	2.40	.93	3.10	2.92	3.46	3.77	3.21	2.33	.73	4.56	31.88
"	Kirkmichael (Woodhill)	3.14	2.00	3.22	.84	3.15	3.35	3.10	4.19	5.14	2.71	.97	5.99	37.80
"	Glenshee Lodge	3.87	3.80	2.69	1.79	3.76	3.79	4.02	3.85	4.82	4.10	1.30	6.33	44.12
Angus	Glamis Castle	3.45	3.37	4.94	1.63	3.01	3.17	4.54	3.79	2.85	1.88	.96	5.57	39.16
"	Kirriemuir (Balnakeilly)	3.80	2.20	3.50	.90	3.00	3.30	3.70	3.70	3.95	2.70	1.20	5.30	37.25
"	Arbroath (Springfield Park)	1.89	2.02	4.43	1.77	2.39	1.28	5.42	3.58	2.07	1.42	.76	3.29	30.32
"	Forfar Waterworks (Den of Ogil)	4.17	3.83	6.98	1.47	3.70	3.34	4.79	3.87	3.87	2.50	1.19	5.55	45.26
"	Montrose (Royal Mental Hospital)	3.46	2.34	5.06	1.70	2.83	1.57	5.61	4.76	1.97	1.52	.70	4.12	35.64
"	Loch Lee (Inchgrundle)	5.12	3.73	8.21	2.54	4.38	2.71	4.81	4.07	5.10	3.92	1.31	6.80	52.70
"	Stonehaven	4.42	3.01	4.46	1.57	2.38	1.32	6.21	5.11	2.03	1.94	.50	4.47	37.42
Kincardineshire	Strachan (Bridge of Dye)	5.99	5.07	7.14	2.50	4.47	3.22	8.08	5.91	4.01	2.42	.72	8.41	57.94
"	Braemar (Bank)	3.77	3.30	3.11	1.27	3.50	3.15	3.53	3.20	3.25	2.10	.62	4.97	35.77
Aberdeenshire	Glen Gairn (Gairn Shiel Lodge)	2.46	4.74	4.27	2.44	3.11	4.08	6.22	2.72	2.51	2.64	.76	5.40	41.35
"	Lumphphan	2.10	3.86	4.49	2.21	3.53	3.06	6.63	4.55	1.78	1.41	.75	5.73	40.10
"	Dyce (Craibstone)	3.52	3.90	4.77	1.67	3.28	1.62	5.89	2.75	2.44	1.61	.75	5.08	37.28
"	Haddo House	5.07	3.43	3.73	1.19	2.53	1.68	5.19	3.24	2.23	2.22	.96	3.95	33.92
"	New Deer (School House)	5.07	3.68	4.01	1.49	2.90	1.48	5.25	3.70	2.69	3.18	1.31	3.79	38.55
"	Peterhead (Mains of Buthlaw)	3.28	3.53	2.98	1.09	2.27	1.23	3.89	2.60	2.08	2.56	1.03	3.40	29.94
"	Turiff (Muireisk House)	4.35	3.82	2.54	1.31	2.39	2.04	5.59	2.98	2.06	2.05	1.33	2.84	33.30
"	Cabrach Manse	4.39	5.37	3.51	2.69	4.07	3.22	6.77	3.33	2.84	2.48	1.01	4.60	44.28
Banffshire	Drummuir Castle	3.82	5.27	2.44	2.09	3.07	3.01	8.14	4.10	2.08	2.32	1.45	3.22	41.01
"	Ballindalloch	3.68	4.80	2.71	2.31	3.53	2.60	5.66	3.32	1.40	2.07	1.09	3.08	36.25
"	Fochabers (Gordon Castle)	3.19	3.23	1.66	1.42	2.73	2.07	6.63	4.26	2.70	1.51	1.07	2.41	32.88
Morayshire	Kinloss Airfield	3.72	3.02	1.10	1.51	2.92	2.11	3.34	3.47	1.56	1.70	.92	1.54	26.91

Table 8c. Monthly and Annual Rainfall—SCOTLAND (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Nairnshire 2	Nairn (Achareidh)	in. 2.54	in. 2.72	in. .87	in. 1.51	in. 2.66	in. 2.28	in. 2.73	in. 4.09	in. 2.58	in. 1.99	in. .97	in. 1.71	in. 26.65
Inverness-shire 2	Dalwhinnie	4.64	2.80	2.15	1.86	3.97	1.61	4.45	4.08	4.56	4.92	.94	4.56	40.54
" 2	Loch Morlich (Glenmore Lodge) . .	3.06	3.87	2.33	1.96	2.54	2.04	5.52	3.94	1.77	1.82	1.00	3.95	33.80
" 3	Carrbridge (Braeval)	3.48	2.59	1.67	1.74	2.55	2.29	3.44	4.11	1.58	2.19	.94	2.62	29.20
" 4	Strath Dearn (Coignafearn Lodge) .	5.61	4.52	1.10	2.42	3.44	1.94	5.10	4.37	4.58	5.83	.69	3.32	42.92
" 6	Fort Augustus (Auchterawe)	3.90	1.72	1.38	3.38	4.63	1.87	3.02	4.52	3.42	6.77	1.22	4.84	40.67
" 6	Loch Ness (Garthbeg)	3.20	2.21	2.12	2.35	3.63	1.50	3.48	4.08	3.04	4.74	1.19	3.85	35.39
" 7	Glen Garry (Kingie Camp)	10.67	5.42	2.52	5.15	7.48	2.20	2.97	4.91	5.04	4.74	2.36	8.31	68.50
" 10	Cannich (Fasnakyle)	4.50	2.57	1.76	3.03	4.88	1.80	2.34	2.48	3.67	7.17	.78	2.99	37.97
" 10	The Aird (Teanaicoll)	2.49	1.96	1.39	1.84	3.52	2.20	3.26	3.61	2.63	3.73	.89	3.04	30.56
" 12	Loch Nevis (Inverie Gardens)	8.54	6.18	2.48	4.68	6.61	2.48	2.60	5.76	4.78	11.01	3.53	6.48	65.13
" 13	Loch Ailort (Inverailort)	13.08	6.54	1.51	4.57	5.79	2.44	2.57	6.15	5.97	12.15	4.85	5.54	71.16
" 16	Loch Treig (Fersit)	7.15	3.47	2.15	3.83	6.05	2.22	3.95	4.76	5.36	8.40	2.15	7.86	57.35
" 17	Fort William (Secondary School) . .	7.69	3.58	2.25	4.78	6.50	2.11	3.27	5.39	5.10	10.39	2.44	5.65	59.15
" 18	Rhum (Kinloch Castle)	16.82	5.52	3.24	4.17	6.32	2.84	2.62	6.42	8.67	10.57	6.29	7.15	80.63
" 18	Skye (Gruila)	12.69	5.11	3.23	3.99	6.54	2.83	2.59	7.03	6.21	8.86	6.50	5.77	71.35
" 18	Skye (Duntulm, Kilmuir)	7.24	3.25	2.63	2.54	6.87	1.63	1.75	3.62	4.33	6.35	3.01	2.87	46.09
" 19	Benbecula Airfield	7.74	4.28	1.80	2.09	4.08	2.25	.92	4.33	4.58	5.19	3.31	3.98	44.55
" 19	Harris (Kyles Lodge)	6.65	4.15	1.30	2.25	4.63	2.28	1.67	4.27	3.57	3.73	3.14	4.06	41.70
" 19	Fortrose	2.73	1.84	1.03	1.32	2.48	1.29	2.57	3.69	2.28	2.08	.69	1.65	23.65
Ross and Cromarty 3	Fearn (Geanies)	1.78	1.89	.95	1.16	3.08	1.87	1.88	3.33	2.08	2.78	1.12	2.75	24.67
" 3	Muir of Ord (Fairburn)	3.82	2.66	1.83	2.04	3.92	2.52	2.49	3.43	2.73	3.65	.98	3.46	33.53
" 4	Lochluichart (The Manse)	4.22	4.27	2.43	2.94	4.28	1.74	1.93	3.30	3.03	6.80	1.65	4.62	41.21
" 4	Alness (Ardross School)	2.74	3.05	1.96	1.90	4.50	2.21	2.24	2.99	2.44	3.17	1.22	3.77	32.19
" 7	Inverbroom (Glackour)	6.59	7.34	2.67	4.03	6.11	2.09	2.13	5.25	2.41	7.76	1.93	5.83	54.14
" 7	Strath Kanaird (Power Station) . . .	7.91	8.02	2.67	5.18	6.70	2.53	1.94	4.32	3.32	6.41	3.34	5.28	57.62
" 8	Loch Maree (Letterewe)	9.46	8.95	2.69	4.39	4.83	2.85	2.43	4.46	4.08	9.89	3.25	7.65	64.93
" 8	Inverasdale (Midtown)	7.52	4.87	2.73	4.19	6.60	1.27	2.24	4.51	3.04	7.61	3.62	3.71	51.91
" 9	Loch Duich (Ratagan)	10.89	6.00	3.05	5.75	7.04	2.37	2.87	4.92	3.87	12.89	3.14	5.96	68.75
" 9	Applecross (Milltown)	8.35	4.09	1.77	2.49	4.26	1.80	1.91	3.79	3.52	7.48	2.40	3.75	45.61
" 9	Achnashellach	11.83	7.26	3.36	5.48	8.20	2.64	2.61	4.17	3.86	12.72	3.06	7.98	73.17
" 9	Stornoway Airport	6.74	3.54	2.13	1.76	5.06	1.53	1.44	3.26	3.35	3.68	2.26	3.13	37.88
" 10	Glenrossal	4.09	4.09	2.51	2.80	5.78	2.07	2.27	4.00	2.72	6.03	2.18	5.52	44.06
Sutherland 1	Overscaig	7.04	5.75	3.63	3.21	5.40	2.63	2.30	4.96	3.44	7.91	2.22	5.71	54.20
" 1	Brora (Uppat)	3.05	3.45	1.96	1.67	3.83	2.06	1.67	2.56	2.13	3.29	1.17	3.50	30.34
" 2	Kinbrace (The Hatchery)	5.28	4.09	5.05	5.20	9.20	3.05	2.15	3.52	1.55	3.40	1.35	5.75	49.59
" 4	Loch Choir Lodge	7.27	6.58	2.23	3.24	4.52	3.22	2.75	3.95	2.84	6.13	1.67	7.51	51.91
" 4	Tongue	4.59	3.34	1.96	2.59	6.03	1.48	1.50	3.21	1.30	4.54	2.11	4.32	36.97

Table 8c. Monthly and Annual Rainfall—SCOTLAND (concluded)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Sutherland	Strathly (Bowside)	4.61	4.51	2.50	1.76	5.91	1.53	2.15	3.93	1.47	3.99	1.62	3.28	37.26
"	Cape Wrath	4.85	3.49	2.11	2.35	5.09	2.21	1.24	3.42	1.97	4.63	2.55	3.43	37.34
"	Lochinver (Bank House)	5.86	3.94	2.87	3.06	4.06	2.59	1.45	3.59	3.07	6.79	2.67	3.54	43.49
Caithness	Berriedale (Langwell)	3.12	3.25	2.16	2.10	3.41	1.48	1.50	1.80	1.73	3.55	1.48	2.68	29.26
"	Wick Airport	4.10	4.09	2.93	1.48	3.25	.91	2.14	3.19	.84	3.48	1.35	3.43	31.19
"	Halkirk (Olgrinbeg Power Stn.)	4.70	4.67	1.86	1.81	4.49	2.26	1.73	3.26	1.37	3.46	1.56	5.23	36.40
Orkney	Stenness	5.35	3.97	3.19	1.08	4.26	1.00	1.56	2.42	1.89	5.57	2.08	5.87	38.24
"	Sanday (Start Point)	4.26	3.73	2.31	1.61	3.09	.88	2.61	3.03	1.75	4.31	1.81	6.02	35.41
Shetland	Lerwick Observatory	5.61	2.31	1.65	1.63	3.92	.66	3.65	3.45	4.46	4.79	2.70	3.93	38.76
"	Baltasound (Halligarth)	6.19	3.09	1.80	1.90	4.30	.40	2.53	3.08	4.61	4.74	3.17	5.32	41.13
NORTHERN IRELAND														
Fermanagh	Newtownbutler (Crom Castle)	5.01	3.79	1.83	1.61	3.56	6.61	5.92	5.54	4.40	3.73	2.29	4.80	49.09
"	Enniskillen (Belle View)	4.43	3.29	1.61	1.23	3.09	5.60	4.86	4.59	3.45	2.26	2.25	5.11	41.77
"	Belleek	5.39	4.76	2.50	2.29	3.27	4.91	4.92	5.14	3.64	3.40	3.67	6.13	50.02
"	Irvinestown (R.U.C.)	5.12	3.27	2.26	1.75	3.34	4.26	4.28	5.07	3.31	3.08	3.38	4.90	44.02
Armagh	Armagh Observatory	3.40	3.90	1.37	1.20	2.64	5.41	5.44	3.89	2.92	3.91	1.66	5.17	40.91
Down	Newry (Bridge Street House)	3.67	3.58	.99	.93	2.75	5.35	3.60	6.07	4.54	2.60	2.01	3.39	39.48
"	Silent Valley (Belfast Waterworks)	4.77	5.01	2.11	1.60	5.52	7.44	4.18	7.78	6.87	3.44	3.14	4.75	56.61
"	Seaford	3.62	4.77	2.24	1.61	4.41	7.28	4.53	5.57	7.31	2.50	2.14	5.08	51.06
"	Ballywalter Park	3.43	3.26	1.49	1.32	3.47	4.28	4.14	4.30	5.93	2.57	2.02	5.98	42.19
"	Hillsborough (Ag. Research Inst.)	3.56	5.01	1.76	1.65	2.19	6.19	3.91	5.24	5.05	2.63	1.51	4.82	43.52
"	Ballysallagh Reservoir	4.25	4.38	2.80	1.62	3.76	5.73	4.37	4.73	5.45	2.29	1.95	6.29	47.62
Antrim	Belfast (Sewage Works)	3.75	5.05	1.85	1.56	2.96	6.16	3.66	3.44	4.90	2.15	1.81	5.02	42.31
"	Larne (Ballycarry)	4.48	4.28	2.41	1.59	2.66	5.31	4.93	5.65	4.09	2.69	2.32	5.87	46.28
"	Larne (Sallagh Springs)	5.87	5.26	3.04	2.61	3.53	6.08	6.00	5.16	5.44	3.83	1.94	6.72	55.48
"	Clough Mills (Altnahinch)	7.69	7.06	3.43	2.96	4.72	5.20	5.45	4.99	4.80	4.09	3.05	6.80	60.24
"	Ballycastle (Coolgreany)	5.35	4.97	1.45	1.84	2.75	4.25	5.34	3.66	3.50	3.64	2.33	5.43	44.51
"	Aldergrove Airfield	3.45	3.76	1.46	1.25	2.76	4.65	3.92	2.79	4.07	2.05	1.62	4.24	36.02
"	Ballymena (Harryville)	4.34	4.35	1.57	1.70	2.57	3.54	4.75	4.45	3.90	2.24	2.04	4.33	39.78
Londonderry	Garvagh (Moneydig)	5.27	5.05	1.51	2.16	2.42	4.28	5.26	4.96	3.57	2.95	1.73	3.95	43.11
"	Coleraine (The Cuts)	3.66	4.88	1.34	2.12	2.57	4.43	5.43	5.72	3.19	3.25	2.10	3.88	42.57
"	Glenedra Lodge	5.25	5.65	3.00	2.80	4.25	7.10	7.86	5.53	6.82	5.85	2.35	8.18	64.64
"	Londonderry (Creggan Reservoir)	5.25	4.84	1.89	2.17	3.29	5.89	4.55	4.53	3.26	3.97	2.82	3.61	46.07
Tyrone	Dungannon Park	4.22	4.09	2.15	1.55	2.47	6.56	5.65	4.23	3.28	3.24	2.12	5.20	44.76
"	Cookstown (Loughery Agric. Coll.)	3.92	4.51	2.13	1.52	2.57	5.14	4.55	3.97	5.02	2.79	1.92	5.33	43.37
"	Omagh (Edenfel)	4.03	3.68	1.07	1.67	2.70	4.90	4.37	4.58	3.99	3.47	2.53	5.83	42.82
"	Sion Mills (Sion House)	3.56	3.87	1.27	1.37	2.77	4.55	4.27	4.91	3.25	3.03	2.40	4.97	40.22

Table 8D. Monthly and Annual Rainfall in 1958 as a Percentage of the Annual Average 1916-1950
ENGLAND

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
London	St. Pancras (Camden Square)	% 9.3	% 10.1	% 4.7	% 6.9	% 8.9	% 20.3	% 9.1	% 15.6	% 14.5	% 11.4	% 8.0	% 12.2	% 131
Surrey	Mickleham (Juniper Hall)	9.4	8.4	6.7	3.7	9.6	12.9	5.2	10.3	17.4	9.8	6.8	11.5	112
Kent	Dover (Waterloo Crescent)	13.1	12.5	7.8	6.3	7.6	12.5	11.1	10.8	7.9	16.3	6.6	12.7	125
"	Ashford	13.9	11.0	5.2	5.1	7.3	14.8	6.3	16.3	10.6	15.5	7.1	14.8	128
"	Herne Bay (St. Anne's Home)	11.1	10.9	4.8	7.7	9.1	19.1	9.6	16.8	18.9	14.4	5.8	13.4	142
"	Edenbridge (Falconhurst)	12.0	8.9	4.6	4.0	5.7	15.2	5.3	11.4	18.1	10.4	5.9	14.7	116
Sussex	Compton (Compton House)	13.7	8.6	4.8	2.2	8.9	8.9	5.5	14.5	13.6	7.8	8.8	12.6	110
"	Worthing (Beach House Park)	15.9	9.5	6.5	2.8	9.5	10.1	8.1	17.5	14.2	9.5	7.5	14.0	125
"	Hastings (White Rock)	12.7	9.7	4.2	4.4	7.8	13.6	7.7	12.3	9.3	13.7	7.6	14.0	117
Hampshire	Southampton (East Park)	14.7	9.0	4.8	1.9	6.8	10.9	5.6	13.8	15.4	10.1	7.6	14.4	115
"	Winchester (Recreation Ground)	12.0	8.7	6.0	1.9	6.5	11.2	7.3	11.9	16.8	9.6	8.6	13.3	114
"	South Farnborough (R.A.E.)	8.9	8.8	6.8	3.6	8.0	11.1	5.4	15.8	14.1	8.9	9.7	8.7	110
Berkshire	Woolhampton (Douai Abbey)	11.9	12.3	5.1	4.0	7.1	13.2	10.4	15.5	12.9	12.5	8.7	10.8	124
Hertfordshire	Harpenden (Rothamsted)	10.0	11.1	6.5	4.5	7.2	16.6	6.8	12.1	12.4	8.8	8.6	12.2	117
Buckinghamshire	Aylesbury (Sewage Works)	10.2	9.7	5.2	2.9	6.6	12.3	10.1	13.9	14.9	12.2	9.1	9.9	117
"	Slough (Upton)	11.1	10.9	5.4	4.7	9.6	16.4	12.3	14.2	13.0	9.3	8.0	12.9	128
Oxfordshire	Oxford (Radcliffe Met. Station)	13.8	10.0	5.3	4.2	8.3	12.9	9.7	10.3	12.4	11.1	11.8	12.9	123
Northamptonshire	Wellingborough (Swanspool)	10.4	12.6	6.9	3.2	8.6	23.9	10.2	10.9	8.8	9.0	7.8	12.2	125
"	Ravensthorpe	12.1	12.4	7.6	2.7	8.5	14.6	11.3	11.2	9.5	9.0	6.6	9.1	115
Bedfordshire	Woburn (Experimental Farm)	10.9	10.9	8.1	4.3	8.1	21.5	8.4	9.1	11.0	8.4	7.0	10.3	118
Cambridgeshire	Cambridge (Botanic Gardens)	10.5	12.6	3.6	5.2	11.9	24.3	14.9	10.9	12.3	8.4	7.3	11.7	134
Essex	March	9.3	12.6	4.9	3.2	11.9	18.9	12.6	11.4	12.0	8.3	5.2	9.8	120
"	Hatfield Broad Oak (Barrington)	8.3	10.8	4.5	4.8	10.6	22.3	10.5	12.6	14.9	10.3	7.4	11.3	128
"	Shoburyness	12.4	9.1	4.0	6.8	11.0	20.9	11.7	19.0	19.7	11.2	6.2	15.0	147
"	Earls Colne (Grammar School)	8.6	11.9	3.2	3.8	8.2	19.9	14.1	15.4	15.0	8.8	5.3	11.9	126
Suffolk	Ipswich (Belstead Hall)	10.7	11.0	4.1	3.8	10.0	20.3	10.7	15.1	12.1	10.8	4.8	15.2	129
"	Lowestoft (Grammar School)	9.3	13.2	6.7	4.8	11.9	13.6	8.8	9.8	7.8	8.3	4.5	12.9	112
"	Bury St. Edmunds (Westley Hall)	9.2	12.7	2.9	5.0	8.6	15.6	10.7	10.1	10.9	8.2	6.1	10.7	111
Norfolk	Sprouton	8.8	14.1	4.4	4.5	13.2	10.8	13.2	11.3	7.6	7.6	4.1	10.6	110
"	Sandringham House Gardens	10.5	15.0	5.2	4.0	12.2	9.3	12.1	8.8	10.9	7.6	4.6	12.0	112
"	Cromer (Howards Hill)	8.9	15.3	5.5	6.1	12.5	8.4	19.8	8.9	8.8	8.8	2.7	12.6	118
Wiltshire	Fonthill House Gardens	10.8	9.7	5.4	3.2	8.2	11.5	4.9	11.3	15.1	9.2	6.8	11.6	108
"	Porton (C.D.E.E.)	11.4	8.6	5.4	2.7	8.2	10.5	6.6	11.0	13.6	11.0	9.0	11.9	110
"	Marlborough College	10.7	10.1	4.6	2.9	10.1	9.8	9.3	8.4	14.3	8.2	8.4	10.8	108
Dorset	Creech Grange	13.2	9.2	4.5	1.6	6.8	7.9	6.2	10.2	13.7	9.1	10.7	12.4	106
"	Beaminstor (East Street)	12.3	10.4	4.2	2.4	9.0	9.5	6.5	6.9	15.2	8.9	7.9	13.1	106

Table 8D. Monthly and Annual Rainfall in 1958 as a Percentage of the Annual Average 1916-1950

ENGLAND (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Devonshire, S. ....4	Princetown (H.M. Prison)	% 10.3	% 11.1	% 4.2	% 2.6	% 9.3	% 7.2	% 7.7	% 13.0	% 11.6	% 9.3	% 8.8	% 10.7	% 106
"	Teignmouth (Den Gardens)	% 10.7	% 9.9	% 6.3	% 1.7	% 8.1	% 8.9	% 6.8	% 8.9	% 11.6	% 8.2	% 7.4	% 13.0	% 101
"	Clyst Honiton (Exeter Airport)	% 7.8	% 10.1	% 3.7	% 1.2	% 6.5	% 10.7	% 6.1	% 9.3	% 9.5	% 8.5	% 8.4	% 13.3	% 95
Devonshire, N. ....1	Ilfracombe (Bowling Green)	% 10.2	% 16.1	% 2.4	% 2.7	% 8.3	% 8.4	% 5.5	% 11.8	% 16.6	% 11.8	% 10.5	% 12.9	% 117
Cornwall	Bude (School House)	% 10.2	% 11.1	% 3.2	% 2.9	% 7.5	% 11.2	% 8.3	% 19.5	% 17.5	% 10.4	% 11.7	% 11.6	% 126
"	Penzance (Penlee Gardens)	% 14.6	% 14.1	% 11.2	% 3.9	% 7.8	% 9.0	% 7.9	% 13.9	% 13.8	% 8.4	% 7.9	% 15.7	% 128
"	St. Austell (Polair Public Gardens)	% 13.9	% 13.6	% 8.5	% 2.6	% 10.6	% 9.3	% 8.9	% 15.7	% 14.4	% 7.9	% 7.5	% 15.0	% 128
"	Scilly (St. Mary's Coastguard Stn.)	% 12.3	% 12.7	% 13.3	% 3.7	% 8.1	% 8.8	% 6.4	% 14.1	% 16.1	% 8.7	% 5.4	% 14.4	% 124
Somerset	Bath (Henrietta Park)	% 8.4	% 11.9	% 4.1	% 3.5	% 7.2	% 18.6	% 11.4	% 7.8	% 15.6	% 7.2	% 7.5	% 12.4	% 116
"	Street (Millfield)	% 6.5	% 10.7	% 3.1	% 1.8	% 7.2	% 10.8	% 5.6	% 11.1	% 15.5	% 7.4	% 10.7	% 13.4	% 104
"	Taunton (Vivary Park)	% 8.3	% 10.4	% 2.7	% 1.9	% 7.5	% 10.1	% 6.5	% 7.6	% 13.7	% 5.7	% 7.7	% 13.2	% 95
"	Cheltenham (Montpellier Gardens)	% 7.3	% 12.4	% 4.2	% 2.6	% 9.7	% 14.4	% 12.0	% 7.0	% 13.0	% 7.9	% 11.3	% 10.3	% 112
Gloucestershire	Cirencester (Royal Agric. College)	% 9.7	% 12.0	% 4.7	% 2.5	% 7.6	% 11.6	% 9.2	% 8.4	% 16.0	% 7.0	% 9.3	% 10.6	% 109
"	Vowchurch (Ladywell House)	% 8.4	% 16.3	% 5.0	% 1.7	% 8.0	% 8.9	% 8.7	% 8.2	% 15.2	% 10.5	% 6.9	% 11.5	% 109
Shropshire	Bromfield (Oakly Park)	% 8.8	% 18.5	% 5.8	% 1.5	% 8.7	% 14.0	% 14.4	% 9.5	% 24.1	% 10.7	% 6.9	% 9.7	% 133
"	Church Stretton (Sewage Works)	% 8.7	% 13.3	% 4.3	% 1.3	% 6.3	% 12.5	% 11.5	% 14.1	% 18.2	% 10.5	% 6.7	% 7.8	% 115
Herefordshire	Shrewsbury (Monkmoor)	% 6.7	% 12.3	% 3.6	% 2.0	% 7.5	% 17.8	% 16.2	% 13.0	% 26.5	% 8.0	% 7.0	% 9.0	% 130
Shropshire	Keele (Univ. Coll. of North Staffs.)	% 8.6	% 13.1	% 4.4	% 3.3	% 9.6	% 15.1	% 11.6	% 11.7	% 12.8	% 11.4	% 5.8	% 8.8	% 116
"	Burton (Shobnall)	% 7.6	% 13.1	% 6.3	% 2.2	% 7.3	% 14.5	% 17.3	% 5.6	% 10.4	% 10.5	% 7.2	% 11.8	% 114
Worcestershire	Worcester (Redhill)	% 7.2	% 15.0	% 5.8	% 2.2	% 9.4	% 14.4	% 9.5	% 10.0	% 23.1	% 8.1	% 9.2	% 13.1	% 127
Warwickshire	Wellesbourne	% 10.0	% 12.2	% 4.6	% 1.9	% 7.8	% 16.7	% 10.5	% 13.5	% 13.9	% 9.5	% 9.7	% 8.4	% 119
"	Birmingham (Edgbaston Obs'y.)	% 8.5	% 16.1	% 4.7	% 2.4	% 7.1	% 13.8	% 11.1	% 8.9	% 12.8	% 9.0	% 6.4	% 10.5	% 111
"	Thornton Reservoir	% 9.6	% 10.9	% 5.3	% 2.7	% 6.3	% 12.1	% 15.3	% 9.9	% 9.4	% 8.4	% 7.7	% 10.4	% 108
Leicestershire	Melton Mowbray (White Lodge)	% 9.4	% 13.3	% 6.4	% 2.6	% 7.8	% 18.7	% 11.9	% 9.5	% 7.9	% 7.8	% 6.7	% 9.8	% 111
"	Spalding (Pode Hole)	% 10.3	% 14.1	% 7.2	% 3.7	% 10.1	% 16.0	% 15.8	% 18.1	% 8.7	% 11.2	% 6.1	% 11.5	% 133
Lincolnshire	Cranwell Airfield	% 9.1	% 11.4	% 6.4	% 2.0	% 9.1	% 18.4	% 19.4	% 9.0	% 7.7	% 5.9	% 4.6	% 11.3	% 114
"	Horncastle	% 8.5	% 13.7	% 8.1	% 3.3	% 11.2	% 15.3	% 19.1	% 6.8	% 8.2	% 7.1	% 3.2	% 11.2	% 116
"	Skegness (Marine Gardens)	% 8.9	% 15.6	% 8.0	% 4.0	% 11.4	% 11.4	% 21.6	% 7.8	% 11.8	% 6.3	% 3.8	% 13.0	% 124
"	Brigg (Wrawby Road)	% 6.8	% 13.3	% 6.2	% 2.8	% 8.2	% 17.9	% 15.0	% 10.5	% 7.2	% 7.3	% 2.9	% 12.0	% 110
"	Crowle (N. Level Pumping Stn.)	% 8.2	% 13.3	% 6.4	% 1.3	% 6.9	% 15.5	% 19.9	% 7.8	% 5.8	% 6.1	% 2.7	% 11.4	% 105
"	Nottingham (The Castle)	% 10.5	% 11.3	% 5.9	% 3.0	% 7.6	% 17.2	% 16.4	% 9.3	% 8.4	% 8.7	% 5.5	% 10.5	% 114
Nottinghamshire	Mansfield (Carr Bank)	% 9.6	% 12.9	% 6.6	% 2.8	% 8.6	% 18.3	% 17.7	% 9.3	% 9.1	% 8.4	% 2.9	% 13.8	% 120
"	Whatstandwell (Meerbrook Sough)	% 12.2	% 15.2	% 6.5	% 3.5	% 9.8	% 12.1	% 14.2	% 8.6	% 9.2	% 8.8	% 2.9	% 12.7	% 116
Derbyshire	Buxton (Terrace Slopes)	% 11.1	% 16.0	% 4.9	% 4.6	% 9.7	% 14.5	% 12.4	% 6.9	% 12.2	% 10.4	% 3.7	% 10.7	% 117
"	Northwich (Winnington)	% 8.7	% 14.9	% 4.6	% 2.6	% 7.5	% 13.8	% 12.3	% 8.2	% 15.0	% 9.0	% 5.5	% 11.0	% 113
Cheshire	Birkenhead (Bidston Observatory)	% 8.4	% 13.7	% 4.6	% 1.7	% 7.9	% 16.2	% 11.5	% 15.4	% 17.0	% 10.1	% 5.9	% 12.5	% 125

Table 8D. Monthly and Annual Rainfall in 1958 as a Percentage of the Annual Average 1916-1950

ENGLAND (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Lancashire, S. 3	Ashton-under-Lyne (Knott Hill Res.)	% 9.4	% 13.7	% 5.8	% 3.2	% 8.3	% 12.9	% 11.5	% 15.6	% 12.1	% 8.7	% 3.9	% 8.6	% 114
" 3	Bolton (Heaton Reservoir)	8.9	16.4	4.6	3.8	9.9	12.3	10.5	11.2	10.8	10.3	4.6	9.6	113
" 1	Squires Gate (Blackpool Airport) ..	10.1	17.1	3.9	3.6	9.6	10.5	8.3	11.9	9.6	9.3	4.4	9.9	108
" 1	Stonyhurst College	7.4	18.8	3.5	3.8	12.3	9.7	9.7	10.5	10.4	9.0	3.9	7.6	106
" 3	Morecambe	10.5	13.8	4.2	3.7	10.1	9.2	6.7	9.6	11.7	12.6	4.0	9.5	106
Yorkshire, W.R. 2	Settle (Gasworks)	12.5	12.6	2.2	2.4	11.4	9.4	8.1	11.3	11.5	9.3	3.4	10.6	105
" 7	Sheffield (Weston Park)	11.1	15.6	6.4	2.5	9.2	16.2	18.6	8.4	11.0	8.5	2.0	14.1	124
" 8	Huddersfield (Oakes)	10.1	18.4	6.4	2.8	11.4	14.2	13.1	9.4	11.2	7.9	2.7	11.7	119
" 8	Wakefield (Clarence Park)	9.4	16.5	6.6	1.6	9.5	14.2	16.4	9.8	11.2	5.9	2.9	13.0	117
" 9	Bingley (St. Ives Research Station) .	9.6	15.5	5.1	2.1	12.0	13.4	9.7	12.6	9.1	9.1	2.4	12.7	113
" 2	Birdsall Gardens	9.9	14.1	10.5	4.4	10.5	15.6	11.7	10.2	8.7	7.4	3.1	13.1	119
" 3	Hull (Pearson Park)	8.5	16.6	7.8	5.1	8.8	14.9	12.8	8.7	8.9	6.1	2.3	12.1	113
" 1	Leyburn (Bolton Hall)	9.3	14.7	6.6	2.5	13.0	11.3	8.7	12.8	11.5	8.0	2.2	12.9	113
" 2	Felixkirk (Mount St. John)	8.7	13.2	10.4	3.6	10.9	9.7	9.2	13.4	10.9	6.3	3.2	9.8	109
" 3	York Museum	9.1	14.4	8.1	2.5	13.8	13.1	11.6	9.4	9.8	5.5	2.8	13.8	114
" 5	Scarborough	11.6	16.0	11.3	4.6	9.5	14.4	10.0	9.4	5.9	5.1	2.4	10.9	111
" 6	Middlesbrough (Albert Park)	6.5	11.7	9.3	6.1	10.1	12.4	9.2	12.4	11.0	5.1	3.2	10.1	107
" 6	Baldersdale (Hury Reservoir)	7.8	17.0	7.2	3.9	12.6	9.6	8.1	11.3	11.4	6.8	2.3	13.1	111
Durham 2	Durham (University Observatory) .	5.2	14.1	8.2	4.7	13.7	10.8	7.7	9.4	6.6	5.1	1.8	12.0	99
" 2	Weardale W.W. (Tunstall Res.)	8.4	12.8	7.9	5.0	11.8	11.1	8.2	9.1	8.3	7.1	1.9	15.8	107
Northumberland 3	Newcastle (Leazes Park)	6.0	12.5	11.6	4.4	11.1	9.3	12.6	9.2	5.9	4.5	1.7	13.5	102
" 4	Bellingham (Highgreen)	7.2	10.1	6.8	6.2	9.7	8.8	16.7	9.6	10.5	6.4	2.7	13.9	109
" 6	Ilderton (Liburn Tower Gardens) ..	8.7	11.4	12.0	9.2	8.9	9.8	12.9	10.6	8.6	5.6	1.8	15.1	115
Cumberland 1	Geltsdale	7.8	11.0	2.1	5.7	8.8	6.5	11.1	11.2	10.9	9.7	4.8	11.6	101
" 2	Keswick (High Hill)	10.9	10.3	2.2	2.9	8.6	6.9	5.6	11.6	11.1	9.3	2.1	6.8	88
" 3	Ravenglass (The Grove)	10.2	12.1	3.8	3.3	9.1	10.4	8.7	8.8	10.3	10.3	5.9	9.0	102
Westmorland 1	Appleby Castle	8.7	13.0	1.9	1.9	9.6	8.2	9.5	13.2	9.8	12.0	1.6	7.3	97
" 2	Ambleside	12.3	11.4	2.3	2.7	8.2	5.2	6.2	7.1	11.7	11.7	2.9	9.6	91

WALES

Monmouthshire 3	Abergavenny (Plas Derwen)	9.1	16.9	4.1	1.4	9.7	7.6	8.5	7.2	17.8	11.7	5.0	11.6	111
Glamorgan 3	Swansea (Victoria Park)	10.0	12.8	2.6	1.6	8.8	10.9	14.4	10.8	19.9	10.6	8.7	10.4	122
" 7	Cardiff (Penylan)	10.0	13.7	2.4	1.8	10.3	7.4	8.1	13.5	16.7	11.2	5.8	10.8	112
Carmarthenshire 2	Conwil-Elvet (Cwmtawel Reservoir)	10.0	10.7	2.3	2.4	8.5	8.2	12.8	12.7	22.9	7.7	6.7	8.7	114

Table 8D. Monthly and Annual Rainfall in 1958 as a Percentage of the Annual Average 1916-1950

WALES (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Pembrokeshire 4	Maenclochog (Ddolwen Bridge) . . .	% 7.5	% 8.3	% 3.3	% 2.5	% 9.2	% 8.2	% 10.2	% 10.6	% 16.8	% 7.5	% 7.2	% 10.0	% 101
Cardiganshire 2	Aberporth	% 9.6	% 9.7	% 3.0	% 1.7	% 9.1	% 8.3	% 10.9	% 10.7	% 17.7	% 9.1	% 7.1	% 8.0	% 104
Brecknockshire 4	Cardiff W.W. (Cantref Reservoir) . .	% 11.3	% 16.1	% 3.0	% 2.9	% 9.6	% 6.2	% 8.1	% 9.8	% 16.1	% 11.5	% 5.7	% 10.0	% 110
Radnorshire 1	Llandrindod Wells (The Common) .	% 10.8	% 18.5	% 2.5	% 2.3	% 6.9	% 9.0	% 12.0	% 7.3	% 16.5	% 10.2	% 7.6	% 9.1	% 113
Montgomeryshire . . . 4	Newtown (Penarth Weir)	% 9.6	% 11.7	% 2.4	% 1.7	% 7.8	% 11.4	% 12.2	% 6.1	% 17.6	% 8.2	% 5.2	% 10.8	% 105
" 5	Lake Vyrnwy (Experimental Stn.) . .	% 10.5	% 13.9	% 2.7	% 3.4	% 10.0	% 6.9	% 8.0	% 5.6	% 15.8	% 6.5	% 4.1	% 8.6	% 96
Flintshire 1	Hawarden Bridge	% 11.0	% 15.9	% 5.1	% .8	% 6.3	% 17.1	% 12.6	% 9.9	% 15.9	% 7.7	% 7.1	% 10.2	% 120
Denbighshire 1	Wrexham W.W. (Pack Saddle Res.) .	% 10.8	% 16.8	% 4.3	% 1.8	% 6.9	% 12.0	% 11.9	% 11.7	% 12.3	% 8.7	% 6.4	% 10.2	% 114
Merionethshire 3	Blaenau Festiniog (Oakeley Quarry)	% 8.0	% 13.1	% 2.5	% 4.2	% 8.3	% 5.0	% 7.7	% 6.9	% 13.0	% 9.1	% 4.7	% 5.3	% 88
" 5	Aberdovey (Plás Penhelig)	% 8.2	% 17.4	% 2.9	% 3.2	% 8.5	% 11.0	% 13.7	% 9.2	% 18.8	% 10.4	% 10.5	% 8.2	% 122
Caernarvonshire 2	Llandudno (Cricket Ground)	% 9.2	% 17.5	% 2.4	% 2.9	% 8.2	% 13.1	% 11.3	% 6.2	% 21.2	% 8.6	% 6.8	% 8.4	% 116
Anglesey	Llanerchymedd (Llwydiarth Esgob) .	% 8.0	% 14.7	% 2.1	% 2.8	% 11.4	% 12.6	% 6.6	% 8.7	% 19.0	% 8.5	% 7.2	% 8.3	% 109

THE ISLANDS

Isle of Man	Douglas (Borough Cemetery)	12.0	14.1	3.8	2.5	7.4	8.5	10.5	12.0	10.6	8.2	8.4	14.4	112
Channel Islands	St. Peter (Jersey Airport)	18.5	11.8	9.7	2.6	7.8	9.3	2.6	9.1	9.3	10.5	8.5	11.8	112
"	Guernsey (States Airport)	17.8	10.6	8.8	3.0	4.8	12.7	2.1	6.7	8.8	9.3	9.6	14.6	109

SCOTLAND

Wigtownshire 4	Newton Stewart (Little Barraer) . . .	11.2	8.9	2.5	2.8	5.7	7.9	8.4	10.3	13.0	8.4	6.0	12.1	97
Kirkcudbrightshire . . 4	Auchincarn (Torr House)	12.4	8.0	2.9	2.9	7.3	7.7	8.1	9.6	10.4	9.7	7.1	11.3	97
Dumfriesshire 3	Dumfries (Crichton Royal Inst.) . . .	12.2	9.2	3.6	2.2	9.1	8.6	11.0	8.8	13.0	9.8	3.8	8.9	100
" 5	Eskdalemuir Observatory	10.4	8.1	3.1	4.0	7.0	6.0	10.7	9.7	9.8	7.5	3.4	8.7	88
Roxburghshire 3	Crailing	6.0	8.1	4.6	8.2	9.0	10.1	19.2	8.1	9.2	4.8	3.0	12.4	103
Peeblesshire 2	Stobo Castle	9.6	8.7	3.6	3.9	6.5	10.2	15.6	9.6	10.2	5.6	3.1	14.5	101
Berwickshire 4	Marchmont House	6.2	7.7	9.1	7.6	8.9	12.8	14.4	13.2	7.4	4.8	3.6	15.5	111
East Lothian 5	North Berwick (East Lodge)	3.2	8.6	10.2	8.1	7.6	9.8	20.4	9.2	9.3	3.3	4.0	15.5	102
Midlothian 4	Moorfoot Hills (Rosebery)	7.1	7.9	6.3	6.9	6.6	9.8	20.6	7.6	6.4	3.9	2.9	13.8	100
" 5	Edinburgh (Blackford Hill)	5.0	6.0	7.2	5.0	7.2	12.0	23.5	11.3	8.3	3.4	3.6	14.5	107
Lanarkshire 5	Strathaven (Glengavel Reservoir) . .	8.2	7.4	3.0	4.0	6.8	5.4	7.9	10.8	8.4	7.8	4.2	11.5	86
" 5	Hamilton W.W. (Townhill)	11.3	5.7	2.4	3.0	7.0	8.1	13.4	14.8	11.7	8.2	3.2	13.4	102
Ayrshire 3	Prestwick Airport	9.0	8.0	2.1	3.4	6.6	6.8	12.8	11.2	7.8	7.4	3.7	10.2	89

Table 8D. Monthly and Annual Rainfall in 1958 as a Percentage of the Annual Average 1916-1950
SCOTLAND (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Ayrshire .....8	Colmonell (Knockdolian)	% 14.2	% 9.8	% 2.2	% 3.9	% 4.0	% 9.1	% 8.9	% 7.6	% 8.8	% 6.7	% 3.1	% 13.7	% 92
"13	Glen Afton (Ayrshire Sanatorium) .	% 13.1	% 9.8	% 2.1	% 3.4	% 6.2	% 6.5	% 7.7	% 11.0	% 10.1	% 8.4	% 3.4	% 12.3	% 94
Renfrewshire .....3	Greenock (Prospect Hill)	% 11.6	% 5.5	% 2.1	% 3.8	% 7.2	% 5.6	% 10.1	% 8.1	% 8.7	% 10.2	% 4.0	% 12.1	% 89
Stirlingshire .....1	Stirling (Sauchie House)	% 10.2	% 5.7	% 3.3	% 2.2	% 6.9	% 7.8	% 15.7	% 12.1	% 12.4	% 10.5	% 3.8	% 15.5	% 106
Buteshire .....2	Millport (Marine Biological Stn.) ..	% 11.5	% 7.1	% 2.6	% 3.9	% 7.2	% 5.3	% 10.2	% 9.4	% 8.9	% 7.0	% 5.6	% 16.1	% 95
Argyllshire .....2	Morvern (Drimnin)	% 12.5	% 6.4	% 4.1	% 4.6	% 5.5	% 3.3	% 5.7	% 10.5	% 8.5	% 15.3	% 4.3	% 9.1	% 90
"4	Glenleven (Kinlochleven)	% 11.3	% 6.0	% 3.3	% 6.2	% 8.5	% 3.0	% 4.1	% 7.3	% 7.1	% 12.3	% 2.5	% 8.4	% 80
"11	Ardrishaig (Canal Office)	% 11.7	% 6.6	% 2.8	% 4.0	% 5.4	% 4.7	% 7.6	% 11.3	% 8.8	% 10.7	% 4.7	% 10.8	% 89
"11	Inveraray Castle Gardens	% 9.2	% 4.8	% 2.1	% 4.7	% 7.0	% 3.2	% 5.4	% 9.7	% 8.2	% 9.7	% 3.9	% 8.8	% 77
"14	Islay (Eallabus)	% 12.3	% 9.3	% 2.8	% 3.0	% 5.0	% 6.4	% 6.4	% 8.3	% 5.7	% 9.3	% 6.3	% 13.5	% 88
"14	Tiree Airport	% 13.0	% 7.9	% 1.7	% 4.8	% 6.1	% 7.5	% 4.1	% 7.1	% 9.6	% 9.2	% 6.1	% 10.5	% 88
Kinross-shire .....2	Loch Leven Sluice	% 6.1	% 8.9	% 7.3	% 4.7	% 6.4	% 9.4	% 14.4	% 9.3	% 10.6	% 7.7	% 3.5	% 19.7	% 108
Fife-shire .....3	Leuchars Airfield	% 6.3	% 8.8	% 15.2	% 6.5	% 7.4	% 8.9	% 19.4	% 9.7	% 7.0	% 5.7	% 2.4	% 13.9	% 111
Perthshire .....1	Loch Dhu	% 12.8	% 4.7	% 2.9	% 3.8	% 7.3	% 4.8	% 7.3	% 9.1	% 7.8	% 10.1	% 3.4	% 13.1	% 87
"7	Crieff (Strathearn Hydro)	% 10.3	% 4.5	% 4.7	% 2.9	% 7.9	% 9.5	% 10.5	% 9.4	% 11.9	% 8.8	% 3.4	% 14.6	% 98
"12	Killin (Kinnell Gardens)	% 10.9	% 5.1	% 2.3	% 2.7	% 5.8	% 4.9	% 6.7	% 11.6	% 8.6	% 8.6	% 2.1	% 14.1	% 83
"14	Fincastle House	% 6.8	% 6.0	% 3.4	% 2.2	% 9.0	% 7.7	% 11.1	% 14.6	% 12.7	% 8.0	% 3.0	% 11.7	% 96
Angus .....1	Kirriemuir (Balnakeilly)	% 10.3	% 6.0	% 9.5	% 2.5	% 8.2	% 9.0	% 10.1	% 10.1	% 10.8	% 7.4	% 3.3	% 14.4	% 101
"4	Montrose (Royal Mental Hospital)	% 12.1	% 8.2	% 17.6	% 5.9	% 9.9	% 5.5	% 19.6	% 16.6	% 6.9	% 5.3	% 2.4	% 14.4	% 124
Aberdeenshire .....1	Braemar (Bank)	% 10.3	% 9.0	% 8.5	% 3.5	% 9.6	% 8.6	% 9.7	% 8.8	% 8.9	% 5.8	% 1.7	% 13.6	% 98
"1	Lumphanan	% 6.6	% 12.2	% 14.2	% 7.0	% 11.1	% 9.7	% 20.9	% 14.4	% 5.6	% 4.5	% 2.4	% 18.1	% 127
"2	Dyce (Craibstone)	% 10.4	% 11.5	% 14.0	% 4.9	% 9.7	% 4.8	% 17.3	% 8.1	% 7.2	% 4.7	% 2.2	% 15.0	% 110
"4	New Deer (School House)	% 14.5	% 10.5	% 11.5	% 4.3	% 8.3	% 4.2	% 15.0	% 10.7	% 7.7	% 9.1	% 3.7	% 10.8	% 110
Banffshire .....3	Ballindalloch	% 10.6	% 13.8	% 7.8	% 6.6	% 10.2	% 7.5	% 16.3	% 9.5	% 4.0	% 6.0	% 3.1	% 8.9	% 104
Morayshire .....2	Fochabers (Gordon Castle)	% 10.8	% 10.9	% 5.6	% 4.8	% 9.2	% 7.0	% 22.4	% 14.4	% 9.1	% 5.1	% 3.6	% 8.2	% 111
Inverness-shire .....2	Dalwhinnie	% 9.4	% 5.7	% 4.4	% 3.8	% 8.1	% 3.3	% 9.0	% 8.2	% 9.3	% 10.0	% 1.9	% 9.3	% 82
"2	Loch Morlich (Glenmore Lodge) ..	% 7.7	% 9.7	% 5.8	% 4.9	% 6.3	% 5.1	% 13.8	% 9.9	% 4.4	% 4.5	% 2.5	% 9.9	% 85
"6	Loch Ness (Garthbeg)	% 7.7	% 5.3	% 5.1	% 5.6	% 8.7	% 3.8	% 8.3	% 9.8	% 7.3	% 11.4	% 2.8	% 9.2	% 85
"10	Cannich (Fasnakyle)	% 11.1	% 6.3	% 4.3	% 7.4	% 12.0	% 4.4	% 5.7	% 6.1	% 9.0	% 17.6	% 1.9	% 7.3	% 93
"12	Loch Nevis (Inverie Gardens)	% 10.2	% 7.3	% 2.9	% 5.6	% 7.9	% 2.9	% 3.1	% 6.8	% 5.7	% 13.1	% 4.2	% 7.7	% 77
"17	Fort William (Secondary School) ..	% 9.7	% 4.5	% 2.8	% 6.0	% 8.2	% 2.7	% 4.1	% 6.8	% 6.4	% 13.0	% 3.1	% 7.1	% 74
"18	Skye (Duntulm, Kilmuir)	% 13.6	% 6.1	% 5.0	% 4.8	% 12.9	% 3.1	% 3.3	% 6.8	% 8.1	% 12.0	% 5.7	% 5.4	% 87
"19	Benbecula Airport	% 17.2	% 9.5	% 4.0	% 4.7	% 9.1	% 5.0	% 2.0	% 9.6	% 10.2	% 11.6	% 7.4	% 8.9	% 99
Ross and Cromarty .3	Fearn (Geanies)	% 7.5	% 8.0	% 4.0	% 4.9	% 13.1	% 7.9	% 8.0	% 14.1	% 8.8	% 11.8	% 4.7	% 11.7	% 105
"4	Muir of Ord (Fairburn)	% 10.2	% 7.1	% 4.9	% 5.4	% 10.5	% 6.7	% 6.6	% 9.1	% 7.3	% 9.7	% 2.6	% 9.2	% 89
"7	Inverbroom (Glackour)	% 11.8	% 13.2	% 4.8	% 7.2	% 10.9	% 3.7	% 3.8	% 9.4	% 4.3	% 13.9	% 3.4	% 10.4	% 97

Table 8D. Monthly and Annual Rainfall in 1958 as a Percentage of the Annual Average 1916-1950

SCOTLAND (concluded)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Ross and Cromarty	Loch Duich (Ratagan)	% 13.6	% 7.5	% 3.8	% 7.2	% 8.8	% 3.0	% 3.6	% 6.1	% 4.8	% 16.0	% 3.9	% 7.4	% 86
"	Achnashellach	14.6	9.0	4.1	6.8	10.1	3.3	3.2	5.1	4.8	15.7	3.8	9.9	90
"	Stornoway Airport	17.1	9.0	5.4	4.5	12.8	3.9	3.7	8.3	8.5	9.3	5.7	7.9	96
Sutherland	Glenrossal	9.1	9.1	5.6	6.2	12.9	4.6	5.1	8.9	6.1	13.4	4.9	12.3	98
"	Strathly (Bowside)	12.0	11.7	6.5	4.6	15.4	4.0	5.6	10.2	3.8	10.4	4.2	8.5	97
"	Cape Wrath	10.2	7.4	4.5	5.0	10.8	4.7	2.6	7.2	4.2	9.8	5.4	7.2	79
"	Lochinver (Bank House)	12.0	8.1	5.9	6.3	8.3	5.3	3.0	7.4	6.3	14.0	5.5	7.3	89
Caithness	Wick Airport	13.7	13.6	9.8	4.9	10.8	3.0	7.1	10.6	2.8	11.6	4.5	11.4	104
Shetland	Lerwick Observatory	13.9	5.7	4.1	4.0	9.7	1.6	9.0	8.5	11.0	11.8	6.7	9.7	96

NORTHERN IRELAND

Fermanagh	Newtownbutler (Crom Castle)	12.7	9.6	4.7	4.1	9.1	16.8	15.1	14.1	11.2	9.5	5.8	12.2	125
"	Belleek	11.1	9.8	5.2	4.7	6.8	10.1	10.2	10.6	7.5	7.0	7.6	12.7	103
Armagh	Armagh Observatory	10.2	11.7	4.1	3.6	7.9	16.3	16.4	11.7	8.8	11.8	5.0	15.5	123
Down	Newry (Bridge Street House)	9.5	9.3	2.6	2.4	7.1	13.8	9.3	15.7	11.7	6.7	5.2	8.8	102
"	Seaforde	8.7	11.5	5.4	3.9	10.7	17.6	10.9	13.5	17.7	6.0	5.2	12.3	123
Antrim	Larne (Ballycarry)	10.8	10.3	5.8	3.8	6.4	12.8	11.8	13.6	9.8	6.5	5.6	14.1	111
"	Aldergrove Airfield	10.0	10.8	4.2	3.6	8.0	13.4	11.3	8.1	11.7	5.9	4.7	12.2	104
Londonderry	Garvagh (Moneydig)	12.4	11.9	3.6	5.1	5.7	10.1	12.4	11.7	8.4	7.0	4.1	9.3	102
"	Glendra Lodge	8.6	9.2	4.9	4.6	7.0	11.6	12.9	9.0	11.2	9.6	3.8	13.4	106
"	Londonderry (Creggan Reservoir)	11.4	10.5	4.1	4.7	7.1	12.8	9.9	9.8	7.1	8.6	6.1	7.8	100
Tyrone	Omagh (Edenfel)	9.4	8.6	2.5	3.9	6.3	11.5	10.2	10.7	9.3	8.1	5.9	13.6	100
England	General Mean 100 Stations	9.9	12.6	5.7	3.5	9.2	13.2	10.7	11.2	12.3	9.0	5.9	11.8	115
Wales	" 16 "	9.6	14.2	2.9	2.3	8.7	9.7	10.6	9.2	17.4	9.2	6.6	9.3	110
Scotland	" 58 "	10.6	8.0	5.4	4.8	8.5	6.2	10.1	9.7	8.2	9.2	3.9	11.4	96
Northern Ireland	" 11 "	10.4	10.3	4.3	4.0	7.5	13.3	11.9	11.7	10.4	7.9	5.4	12.0	109

9 Seasonal Rainfall 1957-58

In this section the rainfall of the winter season, October 1, 1957, to March 31, 1958, and of the summer season, April 1, 1958, to September 30, 1958, is dealt with, as well as the rainfall of the whole seasonal year, October 1, 1957, to September 30, 1958.

Table 9A contains rainfall values for each of these two seasons expressed for the first time as percentages of the average annual rainfall at each station. The table gives, in the fourth column, the corresponding percentages for each station for the whole of the seasonal year.

These last figures are usually the sum of those for the two seasons, but as percentage values for each season are given to the nearest whole number there may be a difference of ± 1 per cent in a few cases.

At the foot of columns 2, 3 and 4 of Table 9A the mean percentage values are given for each country for the summer and winter six months and for the seasonal year. In addition, in order to give a measure of the relative wetness or dryness of the two seasons smaller type shows the percentage of each seasonal average of the annual average (1916-50). Thus, for the summer six months of 1958, England and Wales had 60 per cent of the annual average, or 13 per cent more than normal.

The stations in Table 9A are, as far as possible, the same as those used in table 8D. The monthly percentage values for these stations are given in Table 8D and the monthly and annual values in inches are included in Table 8C.

Table 9B, giving seasonal percentage values of the general rainfall over England and Wales, Scotland and Northern Ireland, has been revised. Formerly, percentage values referred to the period 1881-1915 and rainfall during the summer and winter seasons was

expressed as a percentage of the relevant six month average. The present table gives the seasonal rainfall as a percentage of the 1916-50 annual average. As in Table 9A there may be a difference of ± 1 per cent in the sum of the winter and summer seasonal percentages and that for the seasonal year.

The table for 1957-58 in its earlier form has been prepared, although it is not now published, and the percentage values have been used for the two maps for the summer and winter half years. The map for the seasonal year is, of course, the same for either table.

Over the United Kingdom generally the winter season was dry, but was followed by a wet summer, especially over England, Wales and Northern Ireland. Table 9B shows that for England and Wales during the 38 years from October 1920, only three summers, those of 1924, 1927 and 1931, have been wetter; and for Northern Ireland, only the summers of 1924 and 1950 were wetter.

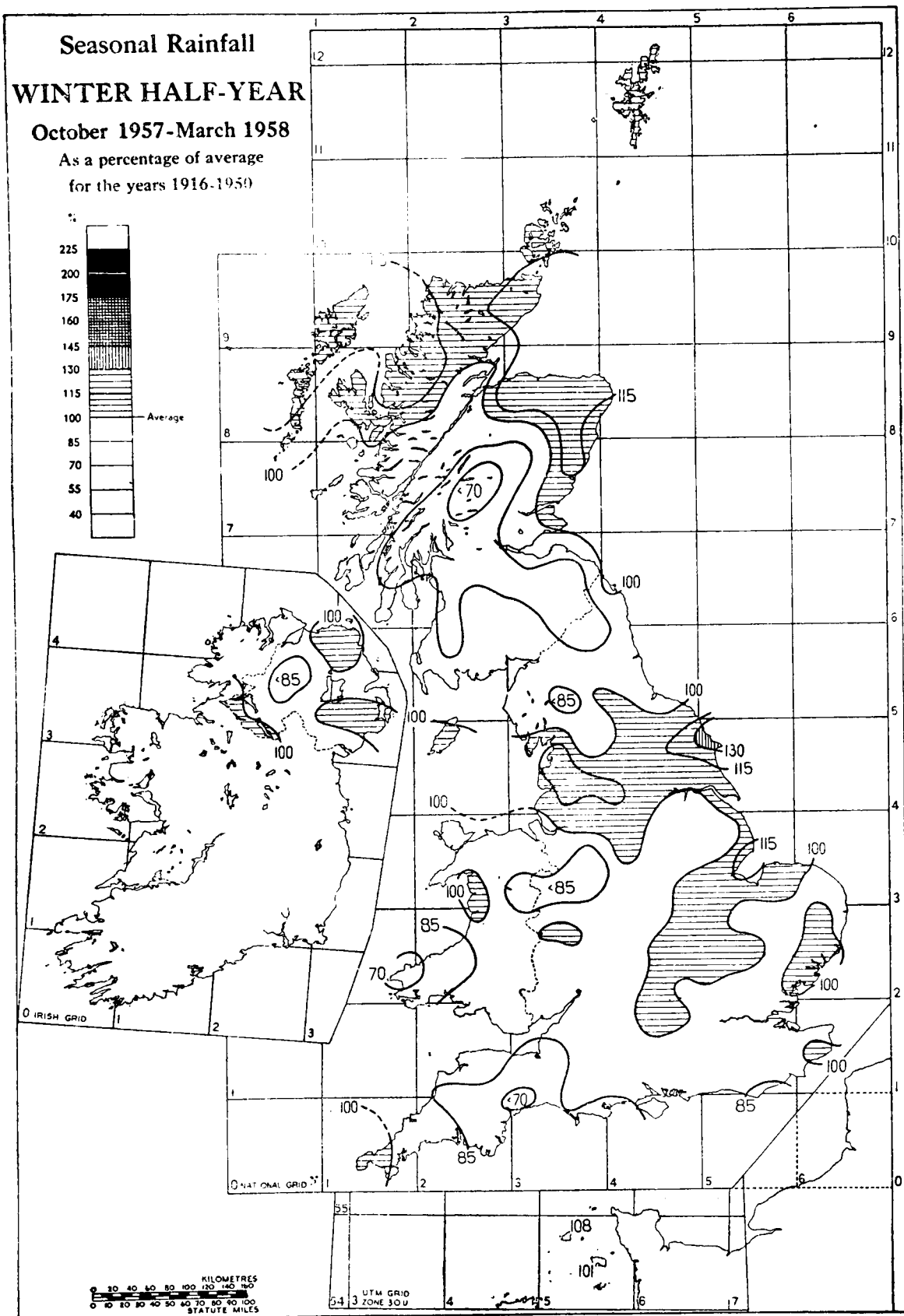
In the *winter half-year*, October, November and December 1957 were very dry over much of England and Wales, November being very dry over nearly the whole of the United Kingdom. January was near average, February was generally wet except over the Central Highlands of Scotland, and March was very dry except in south Cornwall and the eastern districts of both England and Scotland. Rainfall for the winter half-year as a whole was below average over most of the United Kingdom, the main exceptions being, North and north-east Scotland, Lancashire and Yorkshire, a belt from the middle Thames to the Wash and eastern parts of Northern Ireland. There was less than 70 per cent of the average over parts of Perthshire, Pembrokeshire and South Devon.

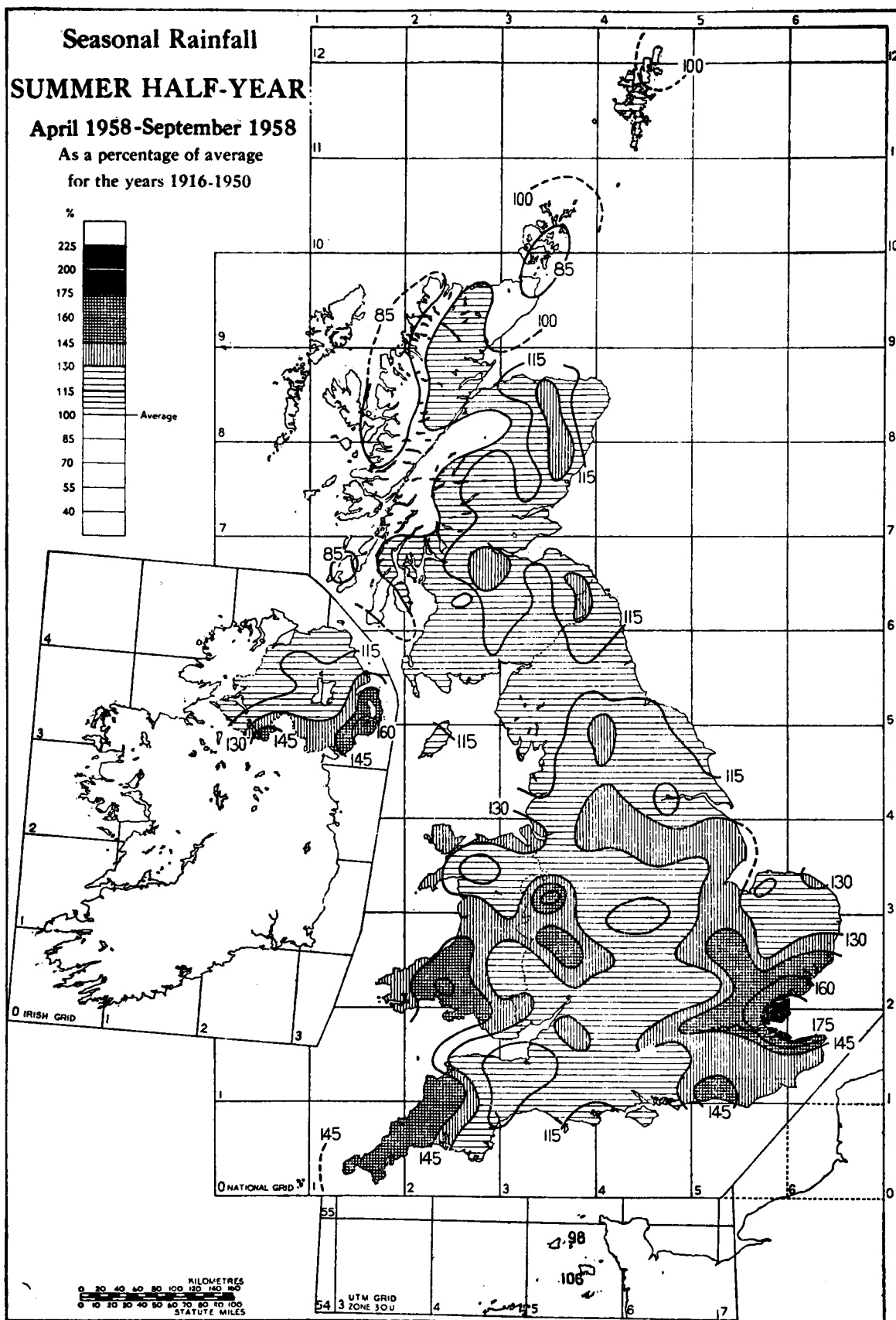
The *summer half-year* opened with a dry April, England and Wales being exceptionally

dry, but the other 5 months were generally rather wet; it was very wet over northern Scotland in May, over England and Northern Ireland in June, and over Wales and the Welsh Marches in September. North-west Scotland was very dry in June and July, but rainfall was near the average during August and September except in northern Scotland. Rainfall for the six summer months as a whole was well above average nearly everywhere. Considerable areas in south-east England, Cornwall, South Wales and in the south of Northern Ireland had more than 145 per cent

of the average with the greatest excess (more than 175 per cent) around the Thames Estuary and over a large part of Essex. The storm of September 5 contributed substantially to the marked excess here.

Rainfall of the *seasonal year* was above average for most of England, Wales and Northern Ireland, east and north Scotland with more than 130 per cent around the Thames Estuary and Essex, and over the Mourne Mountains. Large areas in western and central Scotland had less than 90 per cent of the annual average.





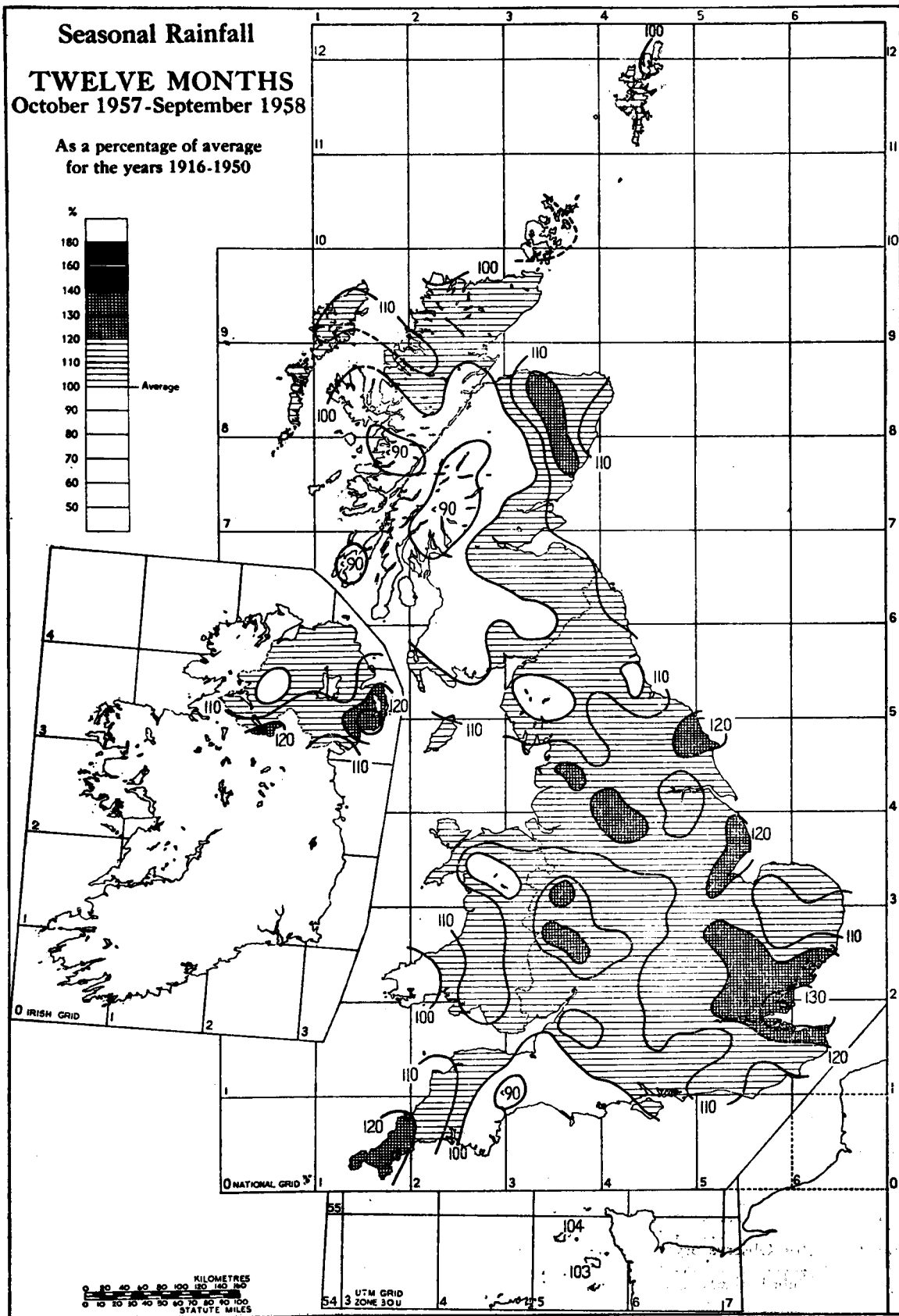


Table 9A. Seasonal Rainfall 1957-1958 as a Percentage of the Annual Average 1916-1950

Winter half-year: October to March. Summer half-year: April to September.

Seasonal year: October to September.

Station	Winter	Summer	Year	Station	Winter	Summer	Year
St. Pancras (Camden Square)	48	75	123	Spalding (Poole Hole)	54	72	126
Mickleham (Juniper Hall)	47	59	107	Cranwell Airfield	46	66	111
Dover (Waterloo Crescent)	63	56	119	Horncastle	50	64	114
Ashford	56	60	116	Skegness (Marine Gardens)	58	68	126
Herne Bay (St. Anne's Home)	49	81	130	Brigg (Wrawby Road)	48	61	109
Edenbridge (Falconhurst)	51	60	111	Crowle (North Level Pumping Stn) ..	49	57	106
Compton (Compton House)	51	54	105	Nottingham (The Castle)	48	62	110
Worthing (Beach House Park)	55	62	117	Mansfield (Carr Bank)	47	66	113
Hastings (White Rock)	50	55	105	Whatstandwell (Meerbrook Sough) ..	58	58	115
Southampton (East Park)	51	54	105	Buxton (Terrace Slopes)	60	60	120
Winchester (Recreation Ground)	53	56	109				
South Farnborough (R.A.E.)	50	58	108	Northwich (Winnington)	51	59	111
Woolhampton (Douai Abbey)	55	63	119	Birkenhead (Bidston Observatory) ..	48	70	118
				Ashton-under-Lyne (Knott Hill Res.)	57	64	120
Harpenden (Rothamsted)	52	60	111	Bolton (Heaton Reservoir)	59	59	118
Aylesbury (Sewage Works)	50	61	111	Squires Gate (Blackpool Airport) ..	58	53	112
Slough (Upton)	48	65	113	Stonyhurst College	65	56	121
Oxford (Radcliffe Met. Station)	55	58	113	Morecambe	61	51	112
Wellingborough (Swanspool)	54	66	119	Settle (Gasworks)	55	54	109
Ravensthorpe	52	58	110	Sheffield (Weston Park)	58	66	124
Woburn (Experimental Farm)	56	62	118	Huddersfield (Oakes)	65	62	128
Cambridge (Botanic Gardens)	48	79	128	Wakefield (Clarence Park)	54	63	117
March	47	70	117	Bingley (St. Ives Research Station) ..	58	59	117
				Birdsall Gardens	64	61	125
Hatfield Broad Oak (Barrington)	48	76	124	Hull (Pearson Park)	56	59	116
Shoeburyness	49	89	138	Leyburn (Bolton Hall)	55	60	114
Earls Colne (Grammar School)	51	76	127	Felixkirk (Mount St. John)	53	58	111
Ipswich (Belstead Hall)	53	72	125	York (Museum)	55	60	115
Lowestoft (Grammar School)	49	57	105	Scarborough	69	54	123
Bury St. Edmunds (Westley Hall)	46	61	107	Middlesbrough (Albert Park)	46	61	107
Sprowston	50	60	111	Baldersdale (Hury Reservoir)	59	57	116
Sandringham House Gardens	52	57	109				
Cromer (Howards Hill)	53	65	117	Durham (University Observatory) ..	43	53	96
				Weardale W.W. (Tunstall Reservoir)	51	53	104
Fonthill House Gardens	52	54	106	Newcastle (Leazes Park)	48	53	100
Porton (C.D.E.E.)	50	53	103	Bellingham (Highgreen)	42	62	103
Marlborough College	51	55	106	Ilderton (Lilburn Tower Gardens) ..	52	60	113
Creech Grange	48	47	95	Geltsdale	48	54	102
Beaminstor (East Street)	49	50	99	Keswick (High Hill)	50	47	97
Princetown (H.M. Prison)	48	52	100	Ravenglass (The Grove)	54	51	105
Teignmouth (Den Gardens)	47	46	93	Appleby Castle	44	52	96
Clyst Honiton (Exeter Airport)	41	43	84	Ambleside	56	41	97
Ilfracombe (Bowling Green)	55	53	108				
Bude (School House)	49	67	116	Abergavenny (Plás Derwen)	53	52	105
Penzance (Penlee Gardens)	66	56	123	Swansea (Victoria Park)	51	66	117
St. Austell (Poltair Public Gardens) ..	57	61	119	Cardiff (Penylan)	48	58	106
Scilly (St. Mary's Coastguard Station) .	66	57	123	Conwil-Elvet (Cwm-tawel Reservoir) .	46	67	114
Bath (Henrietta Park)	50	64	114	Maenclochog (Ddolwen Bridge) ..	41	57	98
Street (Millfield)	44	52	96	Aberporth	44	58	102
Taunton (Vivary Park)	44	47	91	Cardiff Waterworks (Cantref Res) ..	58	53	111
				Llandrindod Wells (The Common) ..	54	54	108
Cheltenham (Montpellier Gardens) ...	45	59	104				
Cirencester (Royal Agricultural College)	46	55	101	Newtown (Penarth Weir)	48	57	104
Vowchurch (Ladywell House)	49	51	100	Lake Vyrnwy (Experimental Station)	50	50	100
Bromfield (Oakly Park)	54	72	126	Hawarden Bridge	50	63	112
Church Stretton (Sewage Works)	47	64	111	Wrexham W.W. (Pack Saddle Res.) .	50	56	107
Shrewsbury (Monkmoor)	40	83	123	Blaenau Festiniog (Oakeley Quarry)	54	45	99
Keele (Univ. College of North Staffs.) .	42	60	102	Aberdovey (Plás Penhelig)	56	64	120
Burton (Shobnall)	46	58	104	Llandudno (Cricket Ground)	54	63	117
Worcester (Redhill)	48	69	116	Llanerchymedd (Llywdiarth Esgob) ..	53	61	114
Wellesbourne	46	64	111				
Birmingham (Edgbaston Observatory) .	49	56	105	Douglas (Borough Cemetery)	61	51	112
Thornton Reservoir	45	56	100	St. Peter (Jersey Airport)	62	41	103
Melton Mowbray (White Lodge)	51	59	110	Guernsey (States Airport)	66	38	104

Table 9A. Seasonal Rainfall 1957–1958 as a Percentage of the Annual Average 1916–1950 (continued)
Winter half-year: October to March. Summer half-year: April to September.
Seasonal year: October to September.

Station	Winter	Summer	Year	Station	Winter	Summer	Year
Newton Stewart (Little Barraer).....	49	48	97	New Deer (School House).....	64	50	114
Auchencairn (Torr House).....	50	46	96	Ballindalloch.....	59	54	113
Dumfries (Crichton Royal Institute)...	52	53	105	Fochabers (Gordon Castle).....	58	67	125
Eskdalemuir Observatory.....	48	47	95				
Crailing.....	39	64	103	Dalwhinnie.....	45	42	87
Stobo Castle.....	47	56	103	Loch Morlich (Glenmore Lodge)...	49	44	93
Marchmont House.....	42	64	107	Loch Ness (Garthbeg).....	49	43	92
North Berwick (East Lodge).....	41	65	106	Cannich (Fasnakyle).....	55	45	100
Moorfoot Hills (Rosebery).....	46	58	104	Loch Nevis (Inverie Gardens).....	54	32	86
Edinburgh (Blackford Hill).....	41	67	108	Fort William (Secondary School)...	52	34	86
Strathaven (Glengavel Reservoir).....	49	43	93	Skye (Duntulm, Kilmuir).....	60	39	99
Hamilton Waterworks (Townhill).....	43	58	101	Benbecula Airport.....	68	41	109
Prestwick Airport.....	42	49	91	Fearn (Geanies).....	46	57	103
Colmonell (Knockdolian).....	54	42	97	Muir of Ord (Fairburn).....	51	46	97
Glen Afton (Ayrshire Sanatorium).....	53	45	98	Inverbroom (Glackour).....	72	39	111
Greenock (Prospect Hill).....	46	43	90	Loch Duich (Ratagan).....	64	33	97
Stirling (Sauchie House).....	45	57	102	Achnashellach.....	68	33	101
Millport (Marine Biological Station)...	48	45	93	Stornoway Airport.....	71	42	112
Morvern (Drimnin).....	55	38	93	Glenrossal.....	63	44	107
Glenleven (Kinlochleven).....	56	36	92	Strathy (Bowside).....	64	44	108
Ardrishaig (Canal Office).....	49	42	90	Cape Wrath.....	60	34	94
Inveraray Castle Gardens.....	47	38	85	Lochinver (Bank House).....	69	36	105
Islay (Eallabus).....	50	35	85	Wick Airport.....	68	39	107
Tiree Airport.....	52	39	91	Lerwick Observatory.....	61	44	105
Loch Leven Sluice.....	51	55	106	Newtownbutler (Crom Castle).....	54	70	124
Leuchars Airfield.....	52	59	111	Belleek.....	53	50	103
Loch Dhu.....	49	40	89	Armagh Observatory.....	52	65	117
Crieff (Strathearn Hydro).....	42	52	94	Newry (Bridge Street House).....	49	60	109
Killin (Kinnell Gardens).....	43	40	83	Seaforde.....	57	74	131
Fincastle House.....	34	57	91	Larne (Ballycarry).....	53	58	112
Kirriemuir (Balnakeilly).....	49	50	99	Aldergrove Airfield.....	51	56	107
Montrose (Royal Mental Hospital)...	58	64	122	Garvagh (Moneydig).....	54	54	108
Braemar (Bank).....	45	49	94	Glendra Lodge.....	47	56	103
Lumphanan.....	61	68	129	Londonderry (Creggan Reservoir)...	50	51	101
Dyce (Craibstone).....	57	52	109	Omagh (Edenfel).....	44	52	96

General Rainfall as a Percentage of the 1916–1950 Annual Average

Country	No. of stations used	Winter		Summer		Seasonal year	
		1957–58	Normal	1958	Normal	1957–58	Normal
		%	%	%	%	%	%
England.....	100	52	53	60	47	112	100
Wales.....	16	51	57	58	43	108	100
Scotland.....	58	53	56	47	44	100	100
Northern Ireland..	11	51	53	59	47	110	100

Table 9B. Serial Values of Seasonal Rainfall as a Percentage of the Annual Average 1916-1950*Winter* half-year: October to March. *Summer* half-year: April to September.*Seasonal year*: October to September

Oct.-Sept.	ENGLAND AND WALES			SCOTLAND			NORTHERN IRELAND		
	Winter	Summer	Year	Winter	Summer	Year	Winter	Summer	Year
1920-21.....	41	28	70	55	35	89	58	34	93
21-22.....	51	49	100	57	42	99	55	48	103
22-23.....	51	45	95	49	53	103	48	52	99
23-24.....	54	63	117	53	54	108	52	68	119
24-25.....	61	48	108	58	44	102	50	50	100
25-26.....	54	45	99	54	43	97	51	46	97
26-27.....	58	62	121	59	56	115	50	48	98
27-28.....	63	39	101	66	42	109	62	48	111
28-29.....	48	33	80	47	43	90	49	42	91
29-30.....	78	54	133	64	45	110	63	48	112
1930-31.....	55	63	119	61	44	106	56	53	109
31-32.....	40	52	93	54	42	95	43	46	89
32-33.....	55	32	87	62	32	93	52	32	84
33-34.....	39	38	76	43	50	93	35	52	87
34-35.....	55	48	103	56	44	100	49	42	91
35-36.....	70	48	118	60	36	96	58	50	108
36-37.....	69	40	108	61	38	99	61	44	105
37-38.....	44	39	83	47	46	94	41	47	88
38-39.....	70	42	111	72	33	106	70	39	109
39-40.....	64	33	96	45	40	86	60	40	99
1940-41.....	72	38	109	57	35	91	60	36	96
41-42.....	47	42	89	52	45	96	58	55	114
42-43.....	52	44	96	55	49	105	47	53	100
43-44.....	38	45	82	50	44	94	41	50	92
44-45.....	58	44	103	66	46	111	60	50	110
45-46.....	48	59	107	48	46	94	45	54	99
46-47.....	66	36	101	47	45	91	48	49	97
47-48.....	47	48	96	56	54	111	54	48	103
48-49.....	41	33	73	60	37	96	52	36	88
49-50.....	63	57	119	66	58	124	55	69	124
1950-51.....	66	50	115	55	42	96	50	42	93
51-52.....	55	45	100	57	40	96	49	37	85
52-53.....	45	50	95	43	47	90	38	46	84
53-54.....	44	51	96	56	49	105	51	50	100
54-55.....	63	36	100	66	30	95	63	41	105
55-56.....	47	51	99	51	50	101	41	51	93
56-57.....	47	48	96	59	43	102	53	49	101
57-58.....	52	60	111	53	47	100	51	59	110
Average (in.) 1916-50.....	19.74	16.72	36.46	29.28	23.09	52.37	22.38	19.52	41.90
Proportion of annual average (per cent)	54	46	—	56	44	—	53	47	—

10 Evaporation and Percolation in 1958

The purpose of this section is to bring together certain groups of data which have some bearing on the subsequent history of the water that reaches the surface as precipitation. These data, derived from measurements of evaporation, percolation and drainage, were discussed in *British Rainfall* 1951 and 1952, particular attention being drawn to the nature of the instruments used and to the limitations of the measurements made. These matters are given only a brief mention in the present summary.

The 16 *evaporation gauges* are mostly of standard dimensions, 6 feet square and 2 feet deep, the rim projecting about 3 inches above the ground, as described in *British Rainfall* 1939. The 12 *percolation gauges*, grouped at four stations, are of various dimensions as given in Table 10B, and some have a surface of bare soil while others carry a crop of turf.

The 5 *drainage gauges*, grouped at two stations (Table 10C), differ from the more usual form of percolation gauge. The simple *seepage gauges* (one at Prescot and two at Lake Vyrnwy) have depths of 11 and 9 inches respectively, which are regarded as the depths of the top layers of productive soil. In the remaining two at Lake Vyrnwy, the water draining from the base of the seepage column is led to the base of a cylinder 6 feet deep through which it percolates upwards through a chalk core covered by exposed soil. The resultant drainage flows out through a pipe fixed just below the soil surface at the top of the percolation column. This combined seepage-percolation gauge was designed to simulate the processes which operate in the formation of a spring.

Data for 1958

Monthly and annual values of evaporation recorded at 16 stations in Great Britain are

given in Table 10A; these stations are the same as in 1957. The long-period averages given in the final column are those introduced and explained in *British Rainfall* 1957; they should be reasonably representative of the mean seasonal variation of evaporation over England, though not strictly comparable in absolute value with the mean of the 16 records for 1958. The values given in Table 10A have been printed much as received: adjustments for short periods when the water in the tank was frozen have not been made owing to the lack of a firm theoretical basis for making them, but evaporation at such times is in any case likely to be small.

However, at Lower Laithe Reservoir, the tank was frozen for over 60 per cent of the period January to March and so no values for these months have been given. The value for November at Kempton Park has been adjusted (using daily values from Kew) to allow for a few missing daily readings.

The means in the penultimate column are of 15 records for January to March and of 16 records for the rest of the year.

Evaporation over England and Wales in 1958 was below average because of the cool and dull summer. The reduction of evaporation was particularly marked in June which happened to be the dullest since 1909 with only 70 per cent of average sunshine, and was next most marked in August, which had 74 per cent of average sunshine. The evaporation values at Kew for June and August were the lowest for those months since records began in 1949; at Otterbourne the value for June was the lowest since 1909, and for August it was the lowest since records began in 1892. The large difference between the values from the two tanks at Slaidburn persisted, though it was not so marked as in 1957.

Percolation gauges. In Table 10B are given

data for 12 percolation gauges. The list of stations is the same as in 1957 except that the results from Harrogate have been omitted: this is because the Harrogate results have become increasingly anomalous over the last few years and some defect, perhaps of exposure, is suspected. The mean inferred

evaporation for the 12 gauges was 15·87 in., only 0·25 in. less than the mean evaporation from 16 tanks, which is a reflection of the wet and overcast summer.

Drainage gauges. The 1958 data for the drainage and seepage gauges at Prescott and Lake Vyrnwy are set out in Table 10c.

Table 10A. Evaporation in 1958

1958	Kew Observatory 18 ft. TQ(51)171757	Weir Wood Reservoir 225 ft. TQ(51)406354	Otterbourne (Waterworks) 112 ft. SU(41)465235	Kempton (Waterworks) 40 ft. TQ(51)111710	Harpenden (Rothamsted) 420 ft. TL(52)132134	Lound (Pumping Stn.) 33 ft. TG(63)500009
January	<i>in.</i> ·30	<i>in.</i> c. ·13	<i>in.</i> ·23	<i>in.</i> ·22	<i>in.</i> ·14	<i>in.</i> ·08
February	·54	·13	·10	·22	·44	·10
March	1·13	·70	1·25	1·10	·87	·97
April	2·12	2·13	1·99	2·18	2·05	1·90
May	3·50	2·44	2·58	3·27	2·95	2·77
June	2·70	2·66	2·46	3·09	2·76	2·50
July	3·59	3·25	3·27	3·81	3·05	3·00
August	2·26	1·34	2·01	2·51	2·04	2·48
September	1·99	1·68	1·50	2·02	2·04	2·04
October	1·16	·72	·62	1·12	·98	·85
November	·32	·32	·47	·47	·64	·24
December	·19	c. ·09	·28	·04	·29	·03
Year	19·80	15·15	16·76	20·05	18·25	16·96
Average	—	—	19·87	—	—	—
Difference	—	—	-3·11	—	—	—

1958	Ormesby St. Michael 21 ft. TG(63)468152	Barrow Gurney Reservoir 300 ft. ST(31)537679	Bartley Reservoir 611 ft. SP(42)010812	Revesby Reservoir 124 ft. TF(53)303634	Slaidburn 10 (Stocks Res.) 657 ft. SD(34)719551	Slaidburn 21D (Stocks Res.) 629 ft. SD(34)716549
January	<i>in.</i> ·18	<i>in.</i> ·08	<i>in.</i> ·17	<i>in.</i> ·04	<i>in.</i> ·43	<i>in.</i> ·06
February	·14	·26	·18	·16	·70	·56
March	·50	1·22	·74	·79	·94	·79
April	1·44	2·11	1·63	1·66	2·20	1·61
May	2·07	3·38	2·44	2·27	2·37	1·99
June	1·93	3·80	2·36	2·05	2·14	2·06
July	2·37	3·87	2·51	2·45	2·84	2·43
August	2·06	2·45	1·73	2·05	2·24	2·03
September	1·69	1·58	1·46	1·66	2·00	1·70
October	1·25	1·00	·90	·80	1·15	·80
November	·75	·23	·57	·27	·26	·22
December	·58	c. ·06	·37	·14	c. ·65	c. ·44
Year	14·96	19·92	15·06	14·34	16·62	13·81
Average	—	—	—	14·33	—	—
Difference	—	—	—	+ ·01	—	—

1958	Ardasley Reservoir 392 ft. SE(44)287248	Haworth (Lower Laithe) 772 ft. SE(44)015367	Harrogate (Harlow Hill) 549 ft. SE(44)290542	Lake Vyrnwy Exper. Stn. 995 ft. SJ(33)017188	Mean of all records	Long-period Average
January	<i>in.</i> ·29	<i>in.</i> —	<i>in.</i> ·19	<i>in.</i> ·30	<i>in.</i> ·17	<i>in.</i> ·13
February	·54	—	·27	·53	·32	·33
March	·55	—	·25	·91	·85	·86
April	1·46	1·53	1·60	1·87	1·84	1·66
May	2·00	1·93	2·54	2·18	2·54	2·58
June	1·90	1·70	2·22	2·29	2·41	3·18
July	2·42	2·38	2·69	2·49	2·90	3·12
August	1·93	1·73	2·21	1·55	2·04	2·53
September	1·37	1·18	1·20	1·66	1·67	1·66
October	·99	·61	·82	·64	·90	·85
November	·43	·12	·29	·30	·37	·33
December	·38	·13	·36	·18	·11	·14
Year	14·26	11·31	14·64	14·90	16·12	17·37
Average	—	—	19·81	—	—	—
Difference	—	—	-5·17	—	—	—

Table 10B. Rainfall, Percolation and Inferred Evaporation in 1958

Station	Farlington, Hants.						Rothamsted, Herts.	Fleam Dyke, Cams.		Lound, Suffolk		
Gauge: size depth core	36-in. diameter						$\frac{1}{1000}$ acre		$\frac{1}{1000}$ acre		15-in. diameter	
	24 in. Chalky Marl**	36 in.	48 in.	36 in. || Sand	36 in. || Chalk		20 in.* Soil	60 in.* Soil	36 in.* Chalk	36 in. ‡ Soil	11 in. ‡ Soil	36 in. ‡ Gravel
	Rain						Rain		Rain		Rain	
January	4.59	in.	3.91	in.	3.88	in.	2.76	in.	1.93	in.	1.80	in.
February	2.69	2.24	2.28	3.92	2.15	2.29	3.06	2.35	1.43	2.04	2.87	1.88
March	1.32	.42	.30	.57	.48	.76	1.79	.80	.32	2.45	2.51	2.49
April .....	.70	.17	.19	.35	.33	.35	1.23	.43	.10	.38	1.11	1.31
May	2.55	...	.01	.02	...	.27	1.98	.24	.88	.15	.28	.46
June	3.18	...	.02	.02	...	.31	4.57	.24	4.63	.01	.50	.34
July	3.16	.02	.02	.02	...	.33	1.88	.24	1.16	.59	.80	.79
August	5.08	2.61	1.88	1.91	1.93	1.20	3.35	1.21	.27	...	.64	.05
September	4.59	2.31	2.13	1.99	1.98	1.66	3.41	1.60	.77	...	.16	.66
October	2.45	1.73	1.89	1.85	1.88	1.71	2.44	1.78	1.95	1.55	1.32	1.54
November	2.79	2.25	2.33	2.26	2.31	1.84	2.37	1.78	1.08	1.24	1.13	.93
December	3.99	3.44	3.35	3.13	3.11	3.08	3.36	3.07	1.97	1.94	2.98	2.51
Year	37.09	19.38	18.29	18.27	18.05	18.31	32.20	18.61	16.40	14.05	29.06	15.97
Inferred Evaporation .....	...	17.71	18.80	18.82	19.04	13.89	...	13.59	12.07	14.42	...	13.09

* Through bare unworked soil.

** Depths include 12 in. of top soil and turf.

|| Depths include 6 in. of top soil and turf.
‡ Through turfed soil.

Table 10c. Drainage Observations in 1958

1958	Prescot, Lancashire		Lake Vyrnwy, Montgomeryshire				
	Rainfall	Seepage* Gauge	Rainfall	Seepage* Gauges		Percolation† Gauges	
		Turfed soil		No. 1 Bare soil	No. 2 Turfed soil	No. 3 Grass covered over chalk	No. 4
	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>
January	2.98	2.94	7.15	7.19	7.15	7.06	6.98
February	5.39	4.93	10.12	9.56	9.74	9.59	9.46
March	1.59	0.89	1.95	1.38	1.41	1.14	1.16
April	0.96	0.00	2.29	1.32	1.30	1.10	1.13
May	3.60	1.61	6.62	4.87	5.09	4.72	4.81
June	4.52	2.25	4.58	2.52	2.79	2.39	2.54
July	4.78	2.64	5.32	3.08	3.27	2.82	3.01
August	3.25	1.35	3.68	2.52	2.70	2.50	2.61
September	4.01	2.27	10.82	9.11	9.47	9.16	9.33
October	3.52	2.59	4.15	3.73	3.98	3.90	3.79
November	1.92	1.61	2.77	2.38	2.64	2.66	2.56
December	3.97	3.77	5.77	5.50	5.67	5.75	5.64
Year	40.49	26.85	65.22	53.16	55.21	52.79	52.99
Soil Evaporation .	...	13.64	...	12.06	10.01	12.43	12.23

* The receiving surface of the seepage gauge is ten times the receiving surface of a 5-inch diameter rain gauge.

† The receiving surfaces of the percolation gauge are together thirteen times the receiving surface of a 5-inch diameter rain gauge.

METEOROLOGICAL OFFICE

BRITISH RAINFALL, 1958

PART II

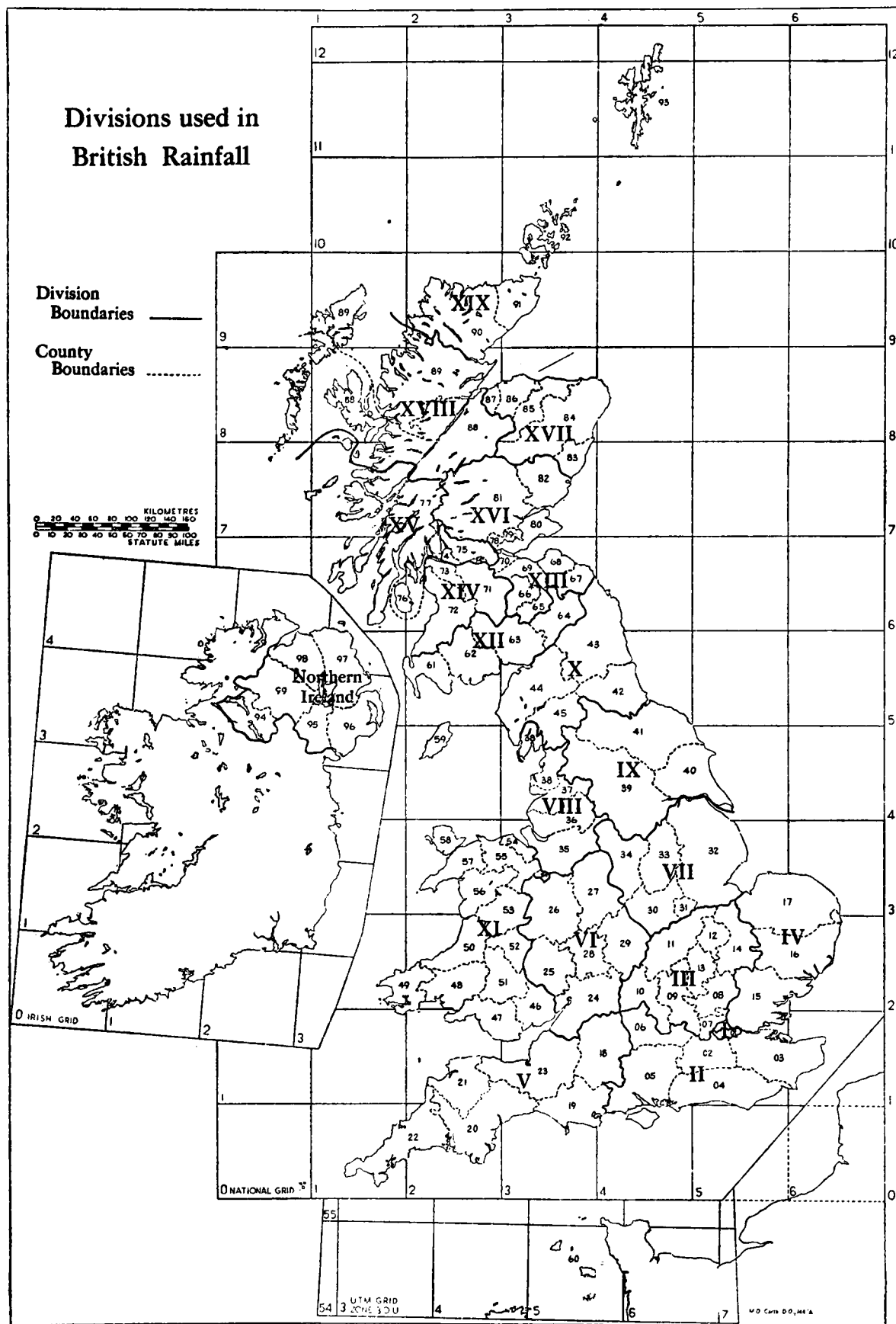
General Table of Total Rainfall in 1958

at Stations in Great Britain and Northern Ireland with the names
of the Observers or other Authorities for the Observations

M.O. 721

AIR MINISTRY

BRITISH RAINFALL 1958



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General Table of Total Rainfall in 1958

EXPLANATORY NOTE

The Divisions of Great Britain in the General Table are the same as those adopted by the Registrars-General of England and Scotland. They are shown on the map on page ii, with an index on page iii.

The counties are divided up into numbered areas, corresponding to the river-basins. An account of these river-divisions for England and Wales was given in a special article in Part I of *British Rainfall*, 1910 (pp. 37–66), and a similar article on the river-divisions of Scotland and Ireland appeared in Part I of *British Rainfall*, 1911 (pp. 40–72), with detailed maps showing all the river-divisions in each Division. Lists were also included showing the various river-divisions in each of the main catchment areas over the British Isles. The areas of some river basins have been redetermined since these lists were first published. The sequence of river divisions in Great Britain proceeds anti-clockwise from the Solway Firth. For example, in the West Riding of Yorkshire there are four divisions for rivers flowing to the Irish Sea, followed by eight divisions for rivers tributary to the Humber. To the names of river-divisions “& C” is added to indicate “and other streams flowing into the sea,” while “& c” means “and some land draining to the main river.”

An index of River Basins, indicating the various river-divisions in each county included in the main river-basins of the British Isles, was included after this Explanatory Note in *British Rainfall*, 1937 and 1938.

The stations in each river-division are arranged nearly in the order of their latitude from South to North. For convenience, the first name defining a station is that of a place which can be found on any large scale map; occasionally it is in an adjoining county. The second name is added to fix the site of observation more closely, e.g. “Royston (Therfield Rectory)” means Therfield Rectory, near Royston. There is an exception where the position of stations on open moors can be related better to a water works undertaking and in these instances the authority is given initially.

Stations the names of which are printed in small capitals, e.g. KENSINGTON PALACE, are climatological stations reporting to the Meteorological Office.* For the majority of these a summary of the climatological observations is printed in the *Monthly Weather Report*, and the name in small capitals is that used in that publication.

In some cases the records have been received from a local rainfall organization. This has been indicated by a footnote.

The letter D signifies that daily observations have been received and are complete for the year; d, that less complete daily records have been received; w indicates that weekly readings have been received, and M that the gauge is read only once a month, usually on the 1st.

(R) denotes that the gauge is a mechanical one the correct reading of which depends on the mechanism being in working order.

* In the case of Division I small capitals are also used to indicate the names of London Boroughs.

The use of mechanical gauges for measuring the total rainfall is not recommended by the Meteorological Office and the number of records marked (R) is therefore small.

(+A) denotes that the amount of rainfall is taken from an ordinary gauge but that the equipment also includes an autographic instrument.

Gauges which have been inspected and found to be over-exposed on moorland have been so marked. It is likely that there are other gauges (notably some of those at light-houses) which are also over-exposed.

A column giving the annual average rainfall expressed to the nearest tenth of an inch has been included since 1926. The averages are the mean of the annual values for the standard

period 1916 to 1950. With shorter records, they have been reduced by accepted methods to the standard period.

A few entries of total rain will be found in brackets—indicating that the values have been corrected, e.g. when appreciable snow has been lost, when the amount for a short period has been computed from other records, or when the gauge has been moved a short distance during the year. A record is not as a rule printed if the gauge has been moved more than a mile, or if there is a greater difference than 50 ft. of altitude between the two positions.

A note of interrogation (?) implies doubt, not necessarily error. The absence of information is indicated by ...

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Cumberland	81	Lincolnshire	53	Surrey	2
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Devonshire	34	Middlesex	16	Warwickshire	50
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Durham	77	Norfolk	29	Wiltshire	31
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England and Wales

DIVISION I—LONDON (Area 117 sq. mi.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958		
				National grid reference	Altitude		Rain-fall	Days with -01 in. or more	Days with -04 in. or more
1.—THAMES. Right Bank Tributaries. 67 sq. ml.					ft.	in.	in.		
BERMONDSEY									
D	Southwark Park	.. ..	London County Council	TQ(51)353791	9	...	33·36	161	134
LAMBETH									
D	Brockwell Park	.. ..	London County Council	TQ(51)315741	144	...	29·64	169	127
D	Brixton Hill Reservoir	.. ..	Metropolitan Water Board	TQ(51)304743	121	23·4	29·60	162	132
BATTERSEA									
d	Battersea Park	.. ..	London County Council	TQ(51)275773	13	...	31·82	...	...
WANDSWORTH									
D	Tooting Bec (Moring Road)	.. ..	H. J. Lewis, Esq.	TQ(51)284714	150	...	31·83	173	120
d	Streatham Hill Reservoir	.. ..	Metropolitan Water Board	TQ(51)306732	202	23·6	29·18	...	123
D	Putney Heath Reservoir	.. (+A)	Metropolitan Water Board	TQ(51)234736	184	...	30·40	174	137
D	Streatham (Furzedown Rec. Ground)	.. ..	P. V. Marchant, Esq., C.E.	TQ(51)286712	89	24·9	31·07	166	128
D	Southfields (Coronation Gardens)	.. ..	P. V. Marchant, Esq., C.E.	TQ(51)251734	37	23·9	31·59	163	136
D	Dulwich (Belair)	.. ..	J. J. Heasman, Esq.	TQ(51)329732	150	...	32·78	154	122
CAMBERWELL									
D	Nunhead Reservoir	.. ..	Metropolitan Water Board	TQ(51)355746	175	22·8	29·32	155	124
DEPTFORD									
d	Telegraph Hill	.. ..	London County Council	TQ(51)357761	150	...	31·22	...	126
d	Waterworks	.. ..	Metropolitan Water Board	TQ(51)375766	20	23·1	30·73	...	125
GREENWICH									
D	Deptford (Pumping Station)	.. (+A)	London County Council	TQ(51)377773	15	22·6	30·05	159	123
D	GREENWICH (Nat. Maritime Museum)	(+A)	Director, for M.O.	TQ(51)387776	24	22·6	30·06	166	123
LEWISHAM									
d	Forest Hill Reservoir	.. .. (+A)	Metropolitan Water Board	TQ(51)352736	339	...	30·71	...	...
WOOLWICH									
d	§Eltham (High Street)	.. .. (+A)	Metropolitan Water Board	TQ(51)433745	245	24·1	31·71	...	...
2.—THAMES. Left Bank Tributaries. 50 sq. mi.									
KENSINGTON									
D	Holland House	.. ..	London County Council	TQ(51)249797	68	24·6	30·16	149	126
D	Campden Hill Reservoir	.. (+A)	Metropolitan Water Board	TQ(51)250800	138	...	30·58	153	124
D	KENSINGTON Palace	.. .. (+A)	Ministry of Works, for M.O.	TQ(51)259801	80	25·1	31·93	170	127
HAMMERSMITH									
D	Pumping Station	.. .. (+A)	London County Council	TQ(51)232782	19	...	30·73	162	124
CHELSEA									
D	Physic Garden	.. ..	Curator	TQ(51)277778	20	23·3	29·77	164	127
D	College of S. Mark & S. John	.. ..	C. E. Fitchett, Esq.	TQ(51)259773	13	...	29·78	148	128
WESTMINSTER									
D	Buckingham Palace	.. ..	Mr. F. C. Nutbeam	TQ(51)287793	35	24·4	31·61	153	122
D	ST. JAMES'S PARK	.. .. (+A)	Ministry of Works, for M.O.	TQ(51)299799	27	23·4	31·22	164	123
ST. MARYLEBONE									
d	REGENT'S PARK	.. ..	Ministry of Works, for M.O.	TQ(51)283826	129	...	33·89	148	128
HAMPSTEAD									
D	OBSERVATORY	.. .. (+A)	Hampstead Scientific Society (E. L. Hawke, Esq., M.A.)	TQ(51)262863	450	27·0	34·90	191	136
D	Golders Hill Park	.. ..	London County Council	TQ(51)255870	350	...	37·00	185	134
ST. PANCRAS									
D	CAMDEN SQUARE	.. .. (+A)	Royal Meteorological Soc.	TQ(51)296846	110	25·1	32·96	165	126

DIVISION I—LONDON —(contd.)

STATIONS	AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
		National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
2.—THAMES. Left Bank Tributaries—(contd.)							
STOKE NEWINGTON			ft.	in.	in.		
D New River Filter Beds	Metropolitan Water Board	TQ(51)319868	101	23·9	30·80	157	121
D New River Res. (Lordship Rd.)	(+ A) Metropolitan Water Board	TQ(51)325874	105	23·9	29·36	159	121
HACKNEY							
D Clapton Pond	(+ A) Borough Engineer	TQ(51)358844	68	23·9	32·14	183	130
FINSBURY							
d New River Head	Metropolitan Water Board	TQ(51)312827	104	23·2	31·22	...	...
BETHNAL GREEN							
d Victoria Park	London County Council ..	TQ(51)355835	43	...	32·31	...	124
POPLAR							
D Isle of Dogs (Island Gardens)	.. London County Council ..	TQ(51)384783	18	...	29·93	152	121
d Old Ford (Pumping Station) ..	.. Metropolitan Water Board	TQ(51)374839	18	23·4	31·69	(155)	(128)
d Old Ford (Penstock House) ..	.. London County Council ..	TQ(51)369839	39	...	30·05	161	119
WOOLWICH							
D Barking Outfall .. ..	.. London County Council ..	TQ(51)452818	24	21·9	27·40	148	116

DIVISION II—SOUTH-EASTERN COUNTIES

SURREY. (Area, 725 sq. mi.)

1.—ARUN. 45 sq. mi.

D Hambledon (Vann Pumping Station)	Guildford & Godalming W.Bd.	SU(41)978380	200	...	36·72	162	131
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2.—MEDWAY. 50 sq. mi.

D Dormans Park (Chartham Park) ..	I. D. Margary, Esq. ..	TQ(51)382407	270	32·3	39·05	185	137
D Dormans Park (Yew Lodge) ..	Mrs. I. D. Margary ..	TQ(51)382414	260	32·3	38·58	198	133
D Lingfield (Sewage Works) .. (+ A)	Godstone R.D.C.* ..	TQ(51)384450	155	29·9	35·82	184	129
D Limpsfield (Paines Hill) ..	East Surrey Water Co. ..	TQ(51)412515	310	...	34·96	168	139
D Limpsfield & Oxted Sewage Wks. (+ A)	Godstone R.D.C.* ..	TQ(51)398501	236	...	33·72	183	133
M Limpsfield (Kent Hatch Reservoir) ..	East Surrey Water Co. ..	TQ(51)436515	664	...	35·16	...	...

3.—THAMES. Darent. 22 sq. mi.

D Godstone (Pumping Station) ..	East Surrey Water Co. ..	TQ(51)352522	353	29·0	32·37	162	128
D Westwood (Pumping Station) ..	East Surrey Water Co. ..	TQ(51)425541	418	...	35·77	166	132
D Warlingham Park Hospital ..	Croydon Corporation ..	TQ(51)373595	600	31·6	34·31	163	120
D Addington (Hares Bank Pump. Stn.) ..	Croydon Corporation ..	TQ(51)370627	331	29·8	33·34	177	128
d Addington (Abbotswood) ..	H. C. Hawkins, Esq. ..	TQ(51)375646	390	28·6	34·10	...	120
D ADDINGTON Hills Reservoir ..	Croydon Corporation ..	TQ(51)352643	472	28·9	34·10	180	132

4.—THAMES. Wandle. 71 sq. mi.

D Caterham (Dome Hill Peak) ..	F. A. Reynolds, Esq. ..	TQ(51)331543	650	...	37·30	175	131
D Kingswood (Margary Hall Res.) ..	Sutton District Water Co. ..	TQ(51)252526	691	33·5	38·95	195	133
D Kingswood (The Chase) ..	H. J. Gosney, Esq. ..	TQ(51)255564	550	31·6	36·35	197	135
Woldingham Reservoir ..	East Surrey Water Co. ..	TQ(51)379549	841	34·8	35·11	...	...
D Caterham Reservoir ..	East Surrey Water Co. ..	TQ(51)333550	704	33·3	34·59	175	135
D Caterham (Alderstead Heath) (+ A)	Coulsdon & Purley U.D.C. ..	TQ(51)302550	577	...	37·27	209	139
D Chelsham & Woldingham W.W. ..	East Surrey Water Co. ..	TQ(51)386552	478	33·1	34·50	170	135

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES —(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
SURREY—(contd.)				ft.	in.	in.		
4.—THAMES. Wandle—(contd.)								
D	Caterham (White Knobs Way)	.. Miss V. K. Isaac ..	TQ(51)345547	500	34.3	38.72	210	144
D	Banstead (Burgh Heath Reservoir)	.. Sutton District Water Co. .	TQ(51)237581	582	30.4	35.04	185	139
D	Chipstead (How Green Reservoir)	.. Sutton District Water Co. .	TQ(51)283581	528	...	34.23	195	126
D	Coulsdon (The Vale)	.. H. E. W. Hollobone, Esq. .	TQ(51)302604	318	30.7	34.76	190	131
D	Kenley (Refuse Disposal Works) (+A)	Surveyor ..	TQ(51)335593	286	...	34.66	171	133
D	Kenley (Pumping Station)	.. East Surrey Water Co. .	TQ(51)325601	275	29.6	34.76	161	130
D	Coulsdon (Midday Sun Allotments)(+A)	Coulsdon & Purley U.D.C.*	TQ(51)294587	325	...	35.12	195	128
D	Woodcote Park Golf Club .. (+A)	Coulsdon & Purley U.D.C.*	TQ(51)290603	450	29.1	33.39	186	128
d	Purley (Selcroft Road)	.. Miss C. Porter ..	TQ(51)317609	400	...	32.25	156	120
D	Purley (Woodcote Valley Road)	.. C. Stuart Bailey, Esq. .	TQ(51)304612	310	...	33.04	162	122
D	Purley (Pumping Station)	.. East Surrey Water Co. .	TQ(51)312614	214	30.1	34.49	169	130
D	Sanderstead	.. M. J. Rawlinson, Esq. .	TQ(51)335617	408	...	34.94	168	128
d	Purley (Pampisford Road)	.. Late C. Knight, Esq. .	TQ(51)302608	250	...	34.60	164	125
D	Sanderstead (Beechwood Road)	.. G. M. Davies, Esq. .	TQ(51)332628	320	...	35.18	165	125
D	Purley (Oaks Depot)	.. (+A) Coulsdon & Purley U.D.C.*	TQ(51)325629	190	...	33.24	184	126
D	CROYDON Airport .. (+A)	Meteorological Office ..	TQ(51)312633	201	27.3	32.02	164	112
D	Carshalton (Pumping Station)	.. Surveyor, U.D.C. .	TQ(51)278663	84	...	31.33	158	124
D	Beddington (Sewage Farm)	.. Croydon Corporation ..	TQ(51)303661	129	...	31.65	173	125
D	Beddington Park .. (+A)	Borough Council* ..	TQ(51)297654	108	...	30.98	156	128
D	Croydon (Northampton Road)	.. Mrs. Vera Higgins ..	TQ(51)342658	210	...	31.85	187	123
D	Mitcham (London Road)	.. (+A) Mitcham Borough Council*	TQ(51)278701	62	...	31.62	162	129
D	Wimbledon (Durnsford Road)	(+A) T. Webster, Esq., C.E.* ..	TQ(51)258719	58	...	29.04	172	130
5.—THAMES. Mole & c. 229 sq. mi.								
D	HORLEY (Worth Park Nurseries)	.. F. M. Gurteen, Esq. .	TQ(51)297413	195	30.2	33.67	164	126
D	Horley (Tinsley Sewage Works) (+A)	Crawley U.D.C. ..	TQ(51)290402	210	29.3	35.64	181	144
D	Horley (Yew Trees)	.. D. Macleod, Esq. .	TQ(51)280440	180	28.7	35.35	194	135
D	Ranmore (Denbies)	.. Mr. S. C. Westbrook ..	TQ(51)148505	620	34.4	35.18	163	133
D	Dorking (Pixham Lane S. Wks.) (+A)	Dorking U.D.C.* ..	TQ(51)177506	138	31.3	34.54	164	129
D	Earlswood (Sewage Farm)	.. (+A) G. G. Sanderson, Esq. C.E.*	TQ(51)274484	196	28.6	33.85	167	130
D	Redhill (London Road)	.. East Surrey Water Co. .	TQ(51)281512	270	30.2	35.43	186	131
D	Reigate (Wray Park Road)	.. W. J. MacAndrew, Esq. .	TQ(51)262511	330	31.3	36.00	169	130
D	Reigate (Castle Grounds)	.. Reigate U.D.C. .	TQ(51)253504	320	...	36.46	165	128
D	Reigate (Clifton's Lane)	.. East Surrey Water Co. .	TQ(51)239512	278	...	36.35	...	...
D	Bletchingley (South Park Farm)	.. Major U. H. Lambert ..	TQ(51)342488	340	29.6	35.12	164	130
D	Merstham (Gatton Point)	.. C. F. Bull, Esq. .	TQ(51)283521	300	...	35.75	195	128
D	Merstham (Sewage Works)	.. Reigate U.D.C. .	TQ(51)295526	266	...	35.30	166	142
D	MICKLEHAM (Juniper Hall)	.. C. Promotion Field Studies	TQ(51)173527	179	29.6	33.02	160	123
D	Gt. Bookham Reservoir	.. East Surrey Water Co. .	TQ(51)146527	462	...	34.49	...	...
d	GREAT BOOKHAM (Phoenix Farm)	.. Director, Poultry Test Stn. .	TQ(51)143527	466	...	34.26	...	120
D	Effingham Reservoir ..	.. East Surrey Water Co. .	TQ(51)119527	363	...	34.76	...	...
D	Headley Reservoir ..	.. East Surrey Water Co. .	TQ(51)207527	629	32.5	35.87	178	128
D	Merstham (Merstham Lodge)	.. J. F. E. Goad, Esq. .	TQ(51)285547	500	33.7	37.61	207	136
D	Leatherhead (Elmer Softening Wks.)(+A)	East Surrey Water Co. .	TQ(51)160557	168	28.9	29.80	157	118
D	Leatherhead (Thorncroft Manor)	.. Brit. Elec. & Allied Indust. .	TQ(51)165558	108	29.0	31.53	182	124
d	Leatherhead (Tyrrells Wood) ..	.. E. H. Cutbill, Esq. .	TQ(51)186553	410	29.6	32.19	...	...
D	Tadworth (Pumping Station) ..	.. Banstead U.D.C. .	TQ(51)223569	405	30.4	33.62	195	128
D	Leatherhead (Sewage Works)	.. F. J. Southam, Esq.* ..	TQ(51)148578	104	27.1	27.64	153	118
D	Epsom (Downs Road)	.. Borough Water Engineer ..	TQ(51)217588	400	27.7	30.16	166	122
d	Epsom Downs (Fir Tree Close)	.. J. S. G. Sharp, Esq. .	TQ(51)231598	345	...	33.24	175	119
D	Cobham (Towngate)	.. E. Boughton, Esq. .	TQ(51)123599	160	25.5	28.36	166	119

* Per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
SURREY—(contd.)				ft.	in.	in.		
5.—THAMES. Mole & c.—(contd.)								
D	Epsom College	S. A. Weare, Esq.	TQ(51)223599	300	25.8	30.12	178	117
D	Cobham (Sewage Works)	Esher U.D.C.	TQ(51)100608	71	24.9	27.33	177	117
D	Banstead (Green Curve)	J. Tilley, Esq.	TQ(51)245599	450	...	33.48	189	123
d	Epsom (Sewage Farm)	Surveyor*	TQ(51)207620	125	25.2	29.49	...	...
D	Epsom (Waterworks)	Borough Water Engineer	TQ(51)211612	150	26.4	28.51	170	118
D	Whiteley Village	Whiteley Homes Trust	TQ(51)091624	190	...	27.64	169	117
D	Sutton (Waterworks)	Sutton District Water Co.	TQ(51)263642	161	...	30.34	164	118
D	Sutton (Sewage Works)	(+ A) N. H. Michell, Esq., C.E.*	TQ(51)250657	99	24.6	29.40	162	120
D	Epsom (Ewell Court)	(+ A) Surveyor*	TQ(51)213639	96	...	30.80	159	129
D	Weybridge (Weyland S. Wks.)	(+ A) Walton & Weybridge U.D.C.*	TQ(51)126657	50	23.3	27.92	157	117
D	Esher (Sewage Works)	(+ A) Esher U.D.C.*	TQ(51)139661	42	23.5	28.49	154	124
d	Esher (Penlea)	P. W. Partridge, Esq.	TQ(51)140663	35	24.0	29.29	...	...
D	Worcester Park (Sewage Wks.)	(+ A) N. H. Michell, Esq., C.E.*	TQ(51)229668	68	24.7	30.98	157	119
D	Old Malden (Sports Ground)	(+ A) Malden & Coombe B.C.*	TQ(51)219669	64	24.9	31.39	153	122
D	Surbiton (Seething Wells)	Metropolitan Water Board	TQ(51)172671	34	24.7	27.92	155	118
D	Surbiton (Sewage Disp. Works)	(+ A) Borough Engineer*	TQ(51)194681	51	...	31.36	165	126
D	West Molesey (Walton Works)	Metropolitan Water Board	TQ(51)117685	35	23.7	26.42	152	117
D	New Malden (Sewage Works)	(+ A) Malden & Coombe B.C.*	TQ(51)197685	51	...	29.20	154	120
D	New Malden (Acacia Grove)	A. C. Josling, Esq.	TQ(51)211687	50	...	30.97	190	127
D	Morden Hall	(+ A) W. S. Scott, Esq., B.Sc.(Eng.)*	TQ(51)260686	117	25.1	31.55	166	128
D	Merton (Joseph Hood Rec. Ground)	W. S. Scott, Esq., B.Sc.(Eng.)*	TQ(51)240688	48	24.2	28.52	167	120
D	Merton Park (Mostyn Road)	A. T. Bench, Esq.	TQ(51)249688	55	25.5	32.46	182	134
D	New Malden (High Drive)	Mrs. Ben. G. Brame	TQ(51)206696	60	24.7	29.15	169	124
D	Kingston (Canbury Gardens)	(+ A) G. C. Stedman, Esq.*	TQ(51)179700	23	23.5	29.88	166	123
D	Raynes Park (Cottenham Pk. P.S.)	(+ A) T. Webster, Esq., C.E.*	TQ(51)237695	50	24.4	30.12	188	121
D	New Malden (Kingston Vale)	(+ A) Malden & Coombe B.C.*	TQ(51)212712	47	25.3	31.31	151	127
D	Richmond (Terrace Gardens)	G. Humphreys, Esq.	TQ(51)181740	29	24.5	29.76	170	125
D	East Sheen (Cemetery)	(+ A) Barnes Corporation*	TQ(51)193747	88	24.5	30.41	172	126
D	KEW OBSERVATORY	(+ A) Meteorological Office	TQ(51)171757	18	23.9	29.68	161	126
D	Barnes (Barn Elms)	Metropolitan Water Board	TQ(51)229774	16	24.4	30.89	157	128
6.—THAMES. Wey. 236 sq. mi.								
D	Shottersmill (Sewage Works)	(+ A) Surveyor*	SU(41)879325	383	35.2	38.55	179	135
D	Hindhead (Waterworks)	Wey Valley Water Co.	SU(41)889359	839	36.5	38.01	204	125
d	Churt (Fir Down)	W. E. Livock, Esq.	SU(41)859376	500	...	35.49	...	...
D	Cranleigh (Lambwood)	Guildford Water Bd.	TQ(51)076397	290	32.1	37.29	191	139
D	Cranleigh (Sewage Works)	(+ A) Surrey County Council	TQ(51)043394	154	30.0	35.35	175	133
D	Hascombe (Olivers)	Miss F. C. Musgrave	TQ(51)005395	361	32.9	39.90	166	133
D	Hascombe (Winkworth Hanger)	Sir John Wenham	SU(41)995404	430	31.5	37.39	171	135
D	Witley (King George V Sanatorium)	Dr. J. V. Hurford	SU(41)975402	305	31.6	34.41	173	130
d	Milford (Kennel Moor)	G. S. Sansom, Esq., D.Sc.	SU(41)935421	180	30.1	32.09	185	127
d	Elstead	H. F. Grevitt, Esq.	SU(41)921426	170	...	(32.25)	(191)	(126)
D	Godalming (Borough Road P.S.)	Guildford Water Bd.	SU(41)967444	120	29.5	32.54	172	128
D	Farnham (Little Park)	Major G. A. Moxon	SU(41)851455	400	...	32.48	173	130
D	Holmbury St. Mary (Feldemore)	Mr. W. E. Hobday	TQ(51)113441	500	35.1	39.28	173	137
D	Peaslake (Southcots)	J. S. Moffat, Esq.	TQ(51)087442	420	34.6	38.43	188	133
D	Chilworth (Brooks Wood)	Guildford Water Bd.	TQ(51)024470	175	...	34.55	183	131
D	Gomshall (Netley Mill P.S.)	Guildford Water Bd.	TQ(51)079479	250	...	34.47	190	127
d	Shere (Coombe End)	Miss R. L. M. Warren	TQ(51)068481	294	30.6	33.95	...	125
D	Shalford (Unstead Sewage Works)	Borough Surveyor	SU(41)995454	120	28.4	33.32	169	123
d	Farnham (Wrecclesham)	Miss L. E. Sotheby	SU(41)829445	360	28.9	32.19	...	115

|| Gauge over-sheltered.

* per Surrey County Council.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
SURREY—(contd.)				ft.	in.	in.		
6.—THAMES. Wey—(contd.)								
D	Farnham (Sewage Works)	.. .. Engineer & Surveyor	SU(41)855480	245	30.7	35.26	209	132
d	Seale (Binton Cottage)	.. .. J. R. Colyer, Esq.	SU(41)881472	310	30.5	32.90	...	131
d	Seale (Greensand)	.. .. Mrs. A. B. Watkins	SU(41)900479	300	...	32.89	166	125
d	FARNHAM (Castle Street)	.. .. A. C. Hunt, Esq.	SU(41)838472	260	29.6	(32.14)	(200)	(129)
d	Farnham (Broomleaf Road)	.. .. A. C. Challands, Esq.	SU(41)852470	250	29.2	32.39	182	131
d	Farnham (Bells Piece)*	.. .. Mrs. K. M. Lewis	SU(41)848479	275	29.5	33.00	...	133
D	Guildford (Pilgrims Way)	.. .. J. J. Fox, Esq.	SU(41)999483	100	...	31.45	167	116
D	Guildford (Onslow Village)	.. .. C. O. Hunt, Esq.	SU(41)972489	350	29.0	31.90	188	125
D	Guildford (Avonmore Avenue)	.. .. Mrs. M. H. Fulk	TQ(51)008506	184	28.0	33.14	196	133
D	Guildford (Boxgrove School) ..	.. .. Capt. V.H. Holroyd, F.R.G.S.	TQ(51)013506	200	...	29.76	173	119
D	Guildford (Joseph's Road)	.. .. Guildford Water Bd.	SU(41)995510	98	...	28.54	165	119
D	Guildford (Woking Road)	.. (+ A) Borough Engineer	TQ(51)000515	98	...	28.21	165	112
D	West Clandon	.. .. J. Dalrymple, Esq., C.E.	TQ(51)047506	319	29.4	32.24	190	122
	East Horsley (Ethandown)	.. .. Basil D. Tims, Esq.	TQ(51)092533	280	29.8	31.91	...	...
D	Pirbright (Bakersgate)	.. .. Lord Lyle of Westbourne	SU(41)951544	120	27.1	29.11	161	121
d	Old Woking (The Gresham Press)	.. .. Unwin Bros., Ltd.	TQ(51)014563	50	26.2	30.35	...	...
d	Woking (The Grange)	.. .. Miss M. E. Wilson	TQ(51)022570	81	27.8	29.52	177	122
d	Old Woking (Sewage Works)	.. .. Woking U.D.C.	TQ(51)027573	76	25.4	28.76	...	121
D	Woking (Council Offices)	.. (+ A) Woking U.D.C.	TQ(51)002579	132	27.2	28.45	158	122
d	Woking (Percy Street)	.. .. J. Dalrymple, Esq., C.E.	TQ(51)003588	100	26.1	28.34	...	...
d	Woking (Goldsworth Road Depot)	.. .. Woking U.D.C.	SU(41)998587	96	27.3	30.43	...	...
D	Byfleet (WISLEY R.H.S. Gardens)	.. .. Director	TQ(51)063583	150	26.0	27.75	170	116
	Wisley (Outfall Works)	.. .. Woking U.D.C.	TQ(51)061599	53	...	28.90	147	119
d	West Byfleet (Scotland Bridge)	.. .. Woking U.D.C.	TQ(51)047616	67	26.0	27.60	...	...
D	Addlestone	.. .. W. V. Davies, Esq., C.E.	TQ(51)061642	46	...	28.69	175	118
d	Weybridge (Oil Mills)	.. .. A. Whittet & Co. Ltd.	TQ(51)073655	36	24.2	27.83	148	108
D	Weybridge (Thames Street)	.. .. Mrs. H. M. R. Tomlinson ..	TQ(51)076657	50	...	29.11	173	117
d	Walton-on-Thames (Waterworks)	.. .. West Surrey Water Co.	TQ(51)084662	33	23.8	29.39	...	...
7.—THAMES. Bourne. 55 sq. mi.								
D	West Byfleet (N. Zealand Golf Club)	Secretary	TQ(51)030612	100	26.0	29.53	177	126
d	Bagshot	.. .. J. Waterer, Sons & Crisp, Ltd.	SU(41)907626	270	28.4	31.09	...	...
D	Weybridge (St. George's College)	.. .. Rev. C. K. Bryant	TQ(51)060653	46	...	28.26	151	113
d	Chertsey (Long Cross)	.. .. Lord Brabazon of Tara	TQ(51)000656	150	25.6	29.68	...	100
D	Chertsey	.. .. W. V. Davies, Esq., C.E.	TQ(51)049662	42	...	28.75	157	116
D	Chertsey (Abbey Meads)	.. .. J. Dalrymple, Esq., C.E.	TQ(51)046677	53	23.6	29.91	157	108
D	Chertsey (Lyne Farm Sew. Wks.)	(+ A) Surrey County Council	TQ(51)016677	93	24.2	30.31	172	116
D	Egham (Waterworks)	.. .. S.W. Suburban Water Co.	TQ(51)020715	54	25.9	30.77	155	116
8.—THAMES. Loddon. 17 sq. mi.								
D	Frimley (Pumping Station)	.. .. Mid-Wessex Water Co.	SU(41)887563	213	27.9	30.87	167	125
D	Camberley (Sewage Works)	.. (+ A) Surrey County Council	SU(41)863597	198	27.0	29.83	180	121
D	Camberley (Woodlands Road)	.. .. K. Hustwick, Esq.	SU(41)867600	216	...	29.67	193	118
KENT. (Area, 1,532 sq. mi.)								
1.—ROTHER & C. 217 sq. mi.								
D	Lydd (Denge Pumping Station)	.. .. Folkestone & District W. Co.	TR(61)068201	14	...	30.18	164	123
D	Stone (Huggetts Farm)	.. .. G. L. Billson, Esq.	TQ(51)939272	140	28.8	34.69	210	132
D	Dymchurch (Slieve Truim)†	.. .. D. Hamill Morton, Esq.	TR(61)102296	9	25.5	32.69	166	136

* Formerly known as Farnham (Beechwood).

† Moved 683 yds. to New Hall 14.8.58.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
KENT—(contd.)				ft.	in.	in.		
1.—ROTHER & C.—(contd.)								
d	Sandhurst (Field Green)	.. J. L. Tweedie, Esq.	.. TQ(51)786295	199	29.6	30.96	...	118
d	Hythe .. ..	.. Borough Surveyor ..	.. TR(61)163345	9	28.1	37.66	211	143
d	Hythe (Sandling Park)	.. Major A. E. Hardy ..	.. TR(61)142368	260	30.6	39.29	173	138
d	Bonnington Rectory ..	.. Rev. W. T. H. Sampson ..	.. TR(61)053351	45	25.9	35.37	185	136
d	FOLKESTONE (The Leas)	.. (+ A) Borough Engineer ..	.. TR(61)227358	128	26.4	34.26	183	132
d	Folkestone (Cherry Garden)	.. Folkestone W.W. Co. ..	.. TR(61)211381	230	30.7	40.40	197	154
d	Alkham Valley (Lower Standen)	.. Folkestone & Dist. W. Co. ..	.. TR(61)240404	248	32.8	35.20	188	146
d	DOVER (Waterloo Crescent)	.. Borough Engineer ..	.. TR(61)320410	19	28.8	36.13	179	134
d	Dover (Buckland)	.. Guy Mannering, Esq. ..	.. TR(61)306426	50	33.5	38.79	181	142
d	Dover (Waterworks)	.. Borough Engineer ..	.. TR(61)322420	199	30.5	34.63	166	131
d	DOVER (ROYAL MILITARY SCHOOL)	.. Headmaster ..	.. TR(61)327439	402	33.4	40.43	185	135
2.—STOUR & C. 386 sq. mi.								
d	Mersham .. ..	.. A. E. Boniface, Esq.	.. TR(61)054400	230	...	39.91	...	141
d	Lyminge (Skeete Pumping Station)	.. Folkestone W.W. Co.	.. TR(61)144409	445	32.7	44.93	183	155
d	Elham (Ottinge)	.. S. G. Holmans, Esq.	.. TR(61)168422	300	34.1	44.39	200	148
d	Ashford (Gasworks)	.. L. G. Kimmins, Esq.	.. TR(61)005428	125	28.5	37.61	190	134
d	Ashford .. ..	.. Headley Bros., Ltd.	.. TR(61)013430	190	29.9	38.24	157	139
d	Ashford (Albert Road)	.. A. E. Brounger, Esq.	.. TR(61)009430	185	29.2	38.47	195	135
d	Ashford (Belmore)	.. J. W. Kennard, Esq.	.. TR(61)007433	200	28.7	37.98	182	136
d	Hastingleigh (Elmsted)	.. F. A. Secrett, Ltd.	.. TQ(51)113439	567	...	41.37	228	151
d	Dover (Martin Mill Pump. Station)	.. W. A. Parker, Esq.	.. TR(61)337471	287	31.2	39.21	178	137
d	WYE (S.E. Agricultural College)	.. Principal ..	.. TR(61)057469	164	30.4	40.04	193	149
d	Waldershare Park Gardens	.. Mr. H. W. Garley ..	.. TR(61)291481	280	32.8	40.60	186	141
d	Charing (Pett Place)	.. J. E. Hosking, Esq.	.. TQ(51)961491	300	30.9	36.82	172	126
d	Deal & Walmer Waterworks	.. W. Mantle, Esq.	.. TR(61)363508	110	28.3	31.93	193	131
d	Barham (Old House)	.. L. S. Osmaston, Esq.	.. TR(61)208501	175	...	35.32	198	146
d	Barham (Pumping Station)	.. W. A. Parker, Esq.	.. TR(61)196509	173	30.3	36.79	183	144
d	Nonington (Red Tiles)	.. C. G. W. Lewis, Esq.	.. TR(61)261521	140	28.3	34.04	182	133
d	Wingham (Margate Waterworks)	.. Thanet Water Board ..	.. TR(61)244553	137	28.1	32.49	172	139
d	Chartham (Old Mill)	.. Kent River Board ..	.. TR(61)097553	80	28.0	34.38	...	130
d	Canterbury (Harbledown)	.. W. Norris, Esq.	.. TR(61)133580	150	...	30.72	164	120
d	Canterbury (Sewage Works)	.. City Engineer & Surveyor ..	.. TR(61)166596	15	27.1	33.69	196	128
d	||Ash (Corking Farm)	.. R. F. Neame, Esq.	.. TR(61)277599	50	22.7	28.56	163	124
d	RAMSGATE (East Cliff)	.. Borough Engineer ..	.. TR(61)385648	80	23.2	31.83	171	129
d	Broadstairs .. ..	.. Broadstairs & S. Peters U.D.C.	.. TR(61)391681	130	23.1	31.10	191	124
d	MARGATE .. ..	.. Town Clerk ..	.. TR(61)368714	51	21.3	29.13	159	105
3.—SWALE & C. 167 sq. mi.								
d	Selling (Perry Cottage)	.. Mrs. S. H. L. Neame ..	.. TR(61)041556	462	28.9	38.85	180	146
d	Sittingbourne (Kippen)	.. D. Leigh Pemberton, Esq.	.. TQ(51)898572	497	30.4	36.24	172	132
d	Newnham (Pumping Station)	.. W. A. Parker, Esq.	.. TQ(51)975597	107	26.3	33.09	183	133
d	Faversham (Waterworks)	.. Engineer & Manager ..	.. TR(61)013595	132	...	30.31	185	124
d	FAVERSHAM (Brogdale Farm)	.. Director, Nat. Fruit Trials ..	.. TQ(51)007593	157	...	30.82	187	130
d	Ospringe (Lorenden)	.. Messrs. G. W. Finn & Sons ..	.. TQ(51)993592	175	26.3	32.34	166	138
d	Sittingbourne (Highsted Waterworks)	.. Sittingbourne U.D.C. ..	.. TQ(51)910607	138	27.1	31.21	189	124
d	SITTINGBOURNE .. ..	.. Kent Farm Institute ..	.. TQ(51)891613	225	27.6	31.00	...	125
d	Faversham (Sewage Disp. Works)	.. Engineer and Manager ..	.. TR(61)023617	22	25.0	31.58	212	135

|| Gauge over-sheltered.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
KENT—(contd.)				ft.	in.	in.		
3.—SWALE & C.—(contd.)								
D	Whitstable (Green Lees)	W. H. Wetherell, Esq.	TR(61)108633	125	25.6	34.55	211	144
D	Milton Regis (Sewage Works)	Sittingbourne U.D.C.	TQ(51)912648	8	22.5	28.22	163	118
d	Herne Bay (Waterworks)	J. Roberts, Esq.	TR(61)186679	125	22.4	33.09	...	121
D	HERNE BAY (St. Anne's Home)	Urban District Council	TR(61)171681	21	22.7	32.21	150	114
D	Eastchurch (Barnland)	A. A. Beal, Esq.	TR(61)012721	180	20.5	27.65	152	120
4.—MEDWAY. 506 sq. mi.								
D	Goudhurst (Pumping Station)	Mid-Kent Water Co.	TQ(51)711368	285	...	35.58	172	131
D	GOUDHURST (Bedgebury Forest)	Forestry Commission	TQ(51)720335	290	32.8	37.86	194	136
D	Goudhurst (Bedgebury Park Gdns.)	Mr. E. G. Arnold	TQ(51)717341	280	33.1	37.53	231	129
d	Scotney Castle	C. Hussey, Esq.	TQ(51)685354	210	29.2	34.45	...	...
d	Biddenden (Little Whatmans)	R. A. Barnes, Esq.	TQ(51)850362	200	28.0	34.51	167	128
D	Lamberhurst (Bayham Abbey)	Estate Agent, Kent R. Bd.	TQ(51)640371	340	...	36.42	181	130
d	High Halden (Halden House)	Tenterden R.D.C.	TQ(51)890371	170	27.3	33.87	...	...
D	TUNBRIDGE WELLS (Calverley Park)	Medical Officer of Health	TQ(51)588392	351	30.3	36.54	173	129
D	Pembury (Waterworks)	Wm. Pickering, Esq., C.E.	TQ(51)627421	196	29.2	33.47	165	126
D	Penshurst (Saints Hill)	Wm. Pickering, Esq., C.E.	TQ(51)523415	124	...	33.57	183	126
D	Southborough (Great Bounds Res.)	Wm. Pickering, Esq., C.E.	TQ(51)573436	478	29.4	37.31	184	130
D	Edenbridge (Falconhurst)	Hon. Mr. Justice Talbot	TQ(51)470427	375	32.2	37.40	175	128
D	Edenbridge (Stonewall Park)	Lt.-Col. E. R. Meade-Waldo	TQ(51)502424	344	30.6	35.16	173	136
D	Edenbridge (Pumping Station)	Sevenoaks R.D.C.	TQ(51)452468	130	...	34.82	193	130
D	Penshurst Place	Viscount De L'Isle, V.C.	TQ(51)538440	120	28.9	33.71	191	114
D	Headcorn (Great Tong)	A. E. A. Day, Esq.	TQ(51)831465	110	25.7	31.54	154	117
d	Hildenborough (Gables)	E. E. Roper, Esq.	TQ(51)572488	159	28.3	31.28	155	...
D	Yalding (Anchor Sluices)	Kent River Board	TQ(51)690497	40	...	30.03	166	127
D	Lenham (Lenham Court)	Major W. T. Pitt	TQ(51)884519	354	30.3	35.78	184	138
d	Langley (Rumwood Beta)	L. M. Bayliss, Esq.	TQ(51)800521	354	28.1	33.58	...	...
D	Lenham	D. F. Tysoe, Esq.	TQ(51)883529	400	30.2	36.10	182	143
D	East Farleigh Lock	Kent River Board	TQ(51)736535	30	...	29.89	177	122
D	Maidstone Waterworks (Barming)	C. H. Harden, Esq., C.E.	TQ(51)735548	247	26.3	29.93	165	127
d	Maidstone (College Road)	Kent River Board	TQ(51)758550	50	26.2	28.88	(168)	(123)
D	Maidstone (Mill Street)	S. F. Dixon, Esq.	TQ(51)761555	37	26.7	28.84	193	118
D	Bearsted (Thurnham Pumping Stn.)	W. A. Parker, Esq.	TQ(51)816559	226	29.2	33.70	199	139
D	Maidstone (Branchley Gardens)	S. F. Dixon, Esq.	TQ(51)759561	49	26.7	29.57	163	122
D	WEST MALLING Airfield	(+ A) Meteorological Office	TQ(51)678556	304	26.8	30.12	171	126
D	EAST MALLING (Research Station)	Director	TQ(51)711568	122	26.9	30.52	190	123
D	Maidstone (Hockers Lane P.S.)	C. H. Harden, Esq., C.E.	TQ(51)788571	212	...	32.23	180	136
D	Maidstone (Allington Lock)	Mr. A. H. Reed	TQ(51)746582	20	...	29.45	155	119
D	Aylesford (Forstal Pumping Stn.)	C. H. Harden, Esq., C.E.	TQ(51)739587	20	25.7	28.92	163	126
D	Trottiscliffe (Pumping Station)	W. A. Parker, Esq.	TQ(51)640595	250	28.5	30.44	158	119
D	Maidstone W.W. (Boxley)	C. H. Harden, Esq., C.E.	TQ(51)774594	319	27.2	30.36	173	127
D	Hartlip (Matts Hill Pumping Stn.)	Medway Water Bd.	TQ(51)820625	225	28.6	33.47	169	136
D	Chatham (Woolmans Wood Res.)	Medway Water Bd.	TQ(51)746635	470	27.0	34.66	173	124
D	Halling (Pumping Station)	W. A. Parker, Esq.	TQ(51)701643	75	25.7	31.94	148	117
D	Chatham (Nashenden Pumping Stn.)	Medway Water Bd.	TQ(51)734655	125	26.6	32.92	155	125
D	Chatham (Luton Waterworks)	Medway Water Bd.	TQ(51)775663	88	...	31.85	162	122
D	Chatham (Royal Naval Hospital)	S.C.E. Chatham Dockyard	TQ(51)771675	223	24.5	28.62	152	109
D	Cuxton (Pumping Station)	Cuxton Water Committee	TQ(51)689669	87	26.0	32.19	178	120
D	Rainham (Motney Hill)	J. B. Harvey, Esq.	TQ(51)829684	28	22.7	25.88	157	108
D	Strood (Waterworks)	(+ A) City Surveyor	TQ(51)729693	112	24.3	30.32	168	119
D	GILLINGHAM	(+ A) Borough Engineer	TQ(51)743720	14	...	30.87	160	112
D	Frindsbury (Shornells)	F. J. Talbot, Esq.	TQ(51)745711	50	24.3	30.04	157	113
D	Wainscott (Maycroft)	A. L. Crowhurst, Esq.	TQ(51)743720	60	...	31.20	165	124

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
KENT—(contd.)				ft.	in.	in.		
4.—MEDWAY.—(contd.)								
d	Hoo (Lodge Hill)	.. .. S.C.E. Chatham Dockyard	TQ(51)757734	150	22.8	30.82	...	...
D	ISLE OF GRAIN	.. .. Kent Oil Refinery, Ltd.	TQ(51)871749	8	...	27.11	150	106
5.—THAMES. Darent & c. 256 sq. mi.								
D	Westerham Hill (Pumping Station)	.. Metropolitan Water Board	TQ(51)430559	539	34.0	37.73	167	134
D	Sundridge (Pumping Station)	.. Metropolitan Water Board	TQ(51)489555	270	29.9	37.15	180	133
w	Sevenoaks (Bayleys Hill Reservoir)	.. E. H. Evans, Esq.	TQ(51)519521	696	31.7	36.41	...	...
d	Sevenoaks (Oak Lane)	.. E. H. Evans, Esq.	TQ(51)528542	428	32.3	39.08	...	...
d	†Tatsfield (Betsoms Hill)	.. Metropolitan Water Board	TQ(51)431563	820	34.6	36.58	...	...
	Stone Street	.. J. F. A. Ball, Esq.	TQ(51)572549	530	...	39.38	155	112
w	Seal (Oak Bank Reservoir)	.. E. H. Evans, Esq.	TQ(51)564561	548	30.3	34.81	...	...
D	Sevenoaks (Cramptons Road P.S.)	.. E. H. Evans, Esq.	TQ(51)530570	222	29.3	34.83	175	130
D	Seal (Kemsing Pumping Station)	.. E. H. Evans, Esq.	TQ(51)569576	292	29.6	34.73	175	127
D	Sevenoaks (Chevening Gardens)	.. Head Gardener	TQ(51)486578	350	32.6	41.66	184	154
d	§Knockholt (Kent Waterworks)	.. Metropolitan Water Board	TQ(51)467585	785	35.1	39.69	...	...
D	Wrotham (Fairseat Manor)	.. A. E. D. Anderson, Esq.	TQ(51)621614	700	31.4	34.15	193	134
D	Keston (Keston Court Farm)	.. A. T. Miller, Ltd.	TQ(51)415630	349	29.6	34.64	179	139
D	Shoreham (Highfield)	.. Sir Herbert B. Cohen, Bart.	TQ(51)541605	650	30.3	34.54	182	130
D	West Wickham (Pumping Station)	.. Metropolitan Water Board	TQ(51)380645	240	27.1	32.41	162	126
D	Keston (Westerham Road)	.. F. T. Carman, Esq.	TQ(51)419646	390	...	33.34	175	129
w	Farningham (Dunbrae)	.. Bertram Grey, Esq.	TQ(51)542668	230	26.7	33.14	...	...
D	Orpington (Kent Waterworks)	.. Metropolitan Water Board	TQ(51)459652	220	27.8	33.23	172	127
d	Chelsfield	.. A. R. A. Griffin, Esq.	TQ(51)470632	550	...	35.74	175	132
D	Longfield (Hartley)	.. Hartley Water Committee	TQ(51)617665	270	26.5	32.43	171	124
d	Crockenhill (Wested Farm)	.. A. T. Miller, Ltd.	TQ(51)577668	331	26.3	33.48	...	...
d	West Wickham (Pickhurst Rise)	.. E. F. R. Barber, Esq.	TQ(51)392664	250	...	33.84	164	127
D	Cobham (Jeskyns Court)	.. Miss D. M. Pye	TQ(51)660690	264	25.7	30.41	171	123
D	Horton Kirby (Court Lodge)	.. W. Rogers, Esq.	TQ(51)561685	50	23.1	29.47	154	116
D	Meopham (Pumping Station)	.. Medway Water Bd.	TQ(51)635691	160	25.3	32.29	169	117
D	BROMLEY	(+A) Borough Engineer	TQ(51)399693	213	25.1	31.30	162	119
D	Bromley (Bishops Avenue)	.. G. H. Franey, Esq.	TQ(51)411690	190	...	31.62	186	119
D	Beckenham (Croydon Road)	(+A) Borough Engineer	TQ(51)368689	110	24.9	30.75	171	123
D	Penge (Recreation Ground)	.. Surveyor	TQ(51)352703	122	25.7	33.24	175	129
D	Anerley (Oakfield Road)	.. Miss S. Stannard	TQ(51)348700	180	24.9	33.21	194	135
D	Beckenham (Foxgrove Road)	.. G. C. Hawkins, Esq.	TQ(51)377700	150	...	32.00	171	124
D	Chislehurst (Scadbury Park)	.. Maj. J. Marsham-Townshend	TQ(51)459700	240	24.5	33.12	172	127
D	SWANLEY (Horticultural Institute)	.. Principal	TQ(51)512701	177	...	31.80	162	114
D	Bromley (Henville Road)	.. W. M. Smith, Esq., M.B.E.	TQ(51)409696	230	24.3	32.29	188	127
d	Southfleet (Hook Place Farm)	.. J. J. Barker, Esq.	TQ(51)611705	100	...	30.89	...	...
D	Wilmington (Orchard Way)	.. L. H. Stone, Esq.	TQ(51)536720	115	23.1	33.10	175	124
D	Southfleet (Kent Waterworks)	.. Metropolitan Water Board	TQ(51)610724	82	23.3	31.38	162	114
D	Wilmington (Kent Waterworks)	.. Metropolitan Water Board	TQ(51)544727	25	23.0	30.79	169	123
D	Gravesend (Sewage Disp. Works)	.. Chemist-Manager	TQ(51)666739	12	...	31.22	162	121
D	Dartford (Christchurch Road)	.. Dr. J. C. Burne	TQ(51)532741	100	...	30.32	174	120
D	DARTFORD (Central Park)	.. (+A) Borough Engineer	TQ(51)543737	17	22.0	29.30	163	117
D	Bexleyheath (Danson Park)	.. (+A) Surveyor	TQ(51)472755	165	24.2	34.16	172	124
d	Dartford (Sewage Works)	.. Resident Engineer	TQ(51)553767	14	22.5	27.57	...	...
d	Northumberland Heath (C.S. School)	.. Headmaster	TQ(51)498772	152	...	(28.45)	...	...
D	Erith (Sewage Works)	.. (+A) Erith U.D.C.	TQ(51)523778	13	22.1	31.05	154	117
D	Erith (Crossness)	.. (+A) London County Council	TQ(51)485809	26	21.0	28.36	134	111

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
SUSSEX. (Area, 1,458 sq. mi.)				ft.	in.	in.		
1.—LAVANT & C. 175 sq. mi.								
D	Selsey (Church Norton)	.. A. F. Vineall, Esq. ..	SZ(40)873955	5	...	31·67	176	125
D	BOGNOR REGIS (Waterloo Square)	.. Town Clerk ..	SZ(40)934989	24	28·7	32·68	157	121
	Chichester (Birdham)	.. S. A. Searle, Esq. ..	SU(41)824004	16	...	32·29	...	...
d	Bosham (Cobnor)	.. Major S. W. P. Beale ..	SU(41)792024	12	29·9	36·63	...	...
D	Thorney Island Airfield	.. (+ A) Meteorological Office ..	SU(41)756027	11	26·8	34·58	160	124
D	Chidham (Chidmere)	.. R. L. Baxendale, Esq. ..	SU(41)798036	14	28·1	34·78	150	125
D	Chichester (Apuldram)	.. S. J. K. Eames, Esq. ..	SU(41)840032	14	28·4	33·90	148	123
D	Chichester (West Street)	.. Dr. W. Dick ..	SU(41)858049	40	29·7	36·16	156	135
D	Chichester (County Hall)	.. K. Whale, Esq. ..	SU(41)587050	40	...	35·17	166	131
d	TANGMERE Airfield	.. (+ A) Meteorological Office ..	SU(41)911064	52	28·4	36·17	159	129
d	Arundel (West Walberton)	.. P. A. Bisset, Esq. ..	SU(41)960064	90	30·9	39·54	170	133
D	Chichester (Funtington Pumping Stn.)	.. A. N. Burgess, Esq. ..	SU(41)811081	112	31·4	38·66	170	132
D	Emsworth (Stansted Park)	.. The Earl of Bessborough ..	SU(41)760101	140	32·3	37·65	176	129
d	West Dean Park	.. Mr. E. K. Steer ..	SU(41)864127	190	37·6	43·89	...	...
d	Chilgrove House (Lawn)	.. Col. C. F. W. Dimond ..	SU(41)834144	253	36·5	42·62	163	133
d	Compton (Compton House)	.. K. M. Langdale, Esq. ..	SU(41)773150	263	37·9	41·66	...	...
2.—ARUN. 285 sq. mi.								
D	LITTLEHAMPTON (Met. Station)	.. Clerk to the U.D.C. ..	TQ(51)033018	19	28·2	33·81	156	122
D	Littlehampton (Court Wick)	.. J. Vinnicombe & Son, Ltd. ..	TQ(51)025037	22	...	33·16	167	123
D	Patching (Pumping Station)	.. Water Engineer, Worthing ..	TQ(51)092074	118	32·9	39·72	179	130
D	Arundel Castle	.. The Duke of Norfolk ..	TQ(51)017073	106	31·5	38·22	193	129
D	South Harting (Rose Croft)	.. A. A. Cooper, Esq. ..	SU(41)787198	230	38·5	42·47	155	138
M	Bignor	.. Major G. B. Hill, O.B.E. ..	SU(41)984144	175	38·5	42·12	...	...
D	Pulborough (Parham)	.. R. E. Whitaker, Esq. ..	TQ(51)060143	98	34·3	39·54	177	133
D	Sutton (Hurst Cottage)	.. A. B. Boxall, Esq. ..	SU(41)979152	200	36·9	42·24	190	144
D	Pulborough (Bignor Park)	.. The Viscountess Mersey ..	SU(41)990155	75	38·2	42·97	176	142
d	Petworth (Barlavington Farm)	.. J. A. G. Bragg, Esq. ..	SU(41)973161	181	38·5	39·81	165	130
D	Hardham (Pumping Station)	.. (+ A) N.W. Sussex Joint Water Bd. ..	TQ(51)033176	30	35·8	39·36	178	128
D	Byworth (Edgehill)	.. W. H. Boniface, Esq. ..	SU(41)986202	100	35·5	39·21	178	132
D	Midhurst (June Lane)	.. R. Amore, Esq. ..	SU(41)885216	135	34·1	37·47	177	129
D	Petworth Park Gardens	.. Lord Leconfield ..	SU(41)975217	250	34·7	39·75	169	130
D	Rogate Vicarage	.. Rev. L. Bell ..	SU(41)811240	210	33·7	35·86	177	125
D	Rogate (Fyning)	.. H. W. A. Bodkin, Esq. ..	SU(41)812242	230	33·7	37·19	173	130
D	FERNHURST (Research Station)	.. Plant Protection Ltd. ..	SU(41)906274	229	34·9	37·66	183	132
D	Kirdford (Hills Green)	.. L. Baker, Esq. ..	SU(41)998272	150	29·2	34·62	157	128
d	Horsham (Pondtail Depot)	.. N.W. Sussex Water Board ..	TQ(51)167304	150	30·5	36·14	...	...
D	Horsham (Sewage Disp. Works)	.. (+ A) J. P. Ridd, Esq., B.Sc., C.E. ..	TQ(51)160302	120	29·5	35·95	179	130
d	Horsham (Rushams Road)	.. A. H. Wickersham, Esq. ..	TQ(51)109312	140	30·8	36·77	...	...
D	Horsham (North Parade)	.. G. N. Slyfield, Esq. ..	TQ(51)172317	166	30·3	37·32	184	135
D	Rudgwick (Swaynes)	.. S. D. Secretan, Esq., J.P. ..	TQ(51)092330	121	...	36·05	189	140
D	Rusper (The Nunnery)	.. Sir Cecil Hurst, G.C.M.G. ..	TQ(51)191364	260	32·5	37·56	174	129
3.—ADUR & C. 237 sq. mi.								
D	Worthing (Ferring)	.. Dr. L. S. F. Woodhead ..	TQ(51)092018	26	28·8	35·48	183	121
D	WORTHING (Beach House Park)	.. (+ A) Medical Officer of Health ..	TQ(51)153029	25	27·5	34·36	169	125
D	Goring-by-Sea (Highdown Tower)	.. Sir Frederick Stern ..	TQ(51)093041	100	...	35·11	152	126
D	Brighton (Ovingdean)	.. L. H. B. Woodhead, Esq. ..	TQ(51)360033	161	29·5	36·95	169	121
D	BRIGHTON (Old Steyne)	.. F. N. Green, Esq., C.E. ..	TQ(51)313054	32	27·1	35·73	155	114
D	Southwick (Watling Road)	.. E. C. Smith, Esq. ..	TQ(51)242052	25	...	40·53	164	134
D	Hove (Goldstone Crescent)	.. Guy Michell, Esq. ..	TQ(51)287066	150	...	39·73	158	129

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

		Rain-gauge site		Average Rain-fall	1958		
STATIONS	AUTHORITIES	National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
SUSSEX—(contd.)			ft.	in.	in.		
3.—ADUR & C.—(contd.)							
D Brighton W.W. (Goldstone Bottom)	F. N. Green, Esq., C.E.	TQ(51)284066	142	...	39.79	176	128
D Brighton W.W. (Lewes Road)	F. N. Green, Esq., C.E.	TQ(51)319060	139	...	40.26	166	131
D Brighton W.W. (Shoreham)	F. N. Green, Esq., C.E.	TQ(51)210068	9	31.4	40.17	182	129
D Brighton W.W. (Mile Oak)	F. N. Green, Esq., C.E.	TQ(51)243079	166	31.5	41.71	183	129
D Brighton W.W. (Race Hill Reservoir)	F. N. Green, Esq., C.E.	TQ(51)335057	456	34.1	45.52	181	132
D Brighton W.W. (Balsdean Reservoir)	F. N. Green, Esq., C.E.	TQ(51)374045	399	32.2	41.17	171	124
D Brighton W.W. (Balsdean Pumping Stn.)	F. N. Green, Esq., C.E.	TQ(51)378046	188	31.5	40.69	170	123
D Brighton W.W. (Falmer)	F. N. Green, Esq., C.E.	TQ(51)342084	200	36.2	44.53	177	132
D Findon (North End)	Mrs. B. H. Madge	TQ(51)118097	211	36.1	44.37	182	148
D Upper Beeding (Sele Gardens)	H. G. Phillips, Esq.	TQ(51)203092	16	...	41.46	185	132
D Brighton W.W. (Patcham)	F. N. Green, Esq., C.E.	TQ(51)294091	205	31.2	41.56	175	126
D Steyning (High Street)	West Sussex River Board	TQ(51)175113	62	...	42.92	...	...
D Washington	A. Jenner, Esq.	TQ(51)118135	175	34.3	39.89	175	127
D Poynings (Saddlescombe P.S.)	F. B. Lumsden, Esq.	TQ(51)272112	528	...	42.08	164	119
D Hassocks (Newtimber Place)	A. E. Williams, Esq.	TQ(51)269138	157	33.5	40.31	...	120
D Westmeston (Coombe Down P.S.)	F. B. Lumsden, Esq.	TQ(51)317133	380	...	39.71	...	125
D Clayton (Pumping Station)	F. B. Lumsden, Esq.	TQ(51)305137	260	...	44.09	170	131
D Hurstpierpoint (Brundall)	R. E. Toombs, Esq.	TQ(51)280166	140	31.8	38.71	161	124
D Hurstpierpoint College	Headmaster	TQ(51)289176	100	...	38.02	152	115
D Partridge Green (Shermanbury Grange)	West Sussex River Board	TQ(51)203192	39	29.1	37.53	...	...
D West Grinstead (Knepp Castle Gdns.)	Sir William Burrell	TQ(51)155218	50	31.4	38.31	175	125
D Horsham (Sedgewick Park)	Rt. Hon. Lord Rotherwick	TQ(51)184266	280	29.9	37.00	161	125
4.—OUSE. 224 sq. mi.							
D Seaford (Newlands)	Capt. T. D. Manning, C.B.E.	TV(50)496996	150	29.3	37.61	159	125
D SEAFORD	Surveyor	TV(50)486990	45	28.7	35.08	144	115
D Newhaven (Poverty Bottom W.W.)	F. B. Lumsden, Esq.	TQ(51)466022	48	30.6	36.85	172	129
D Lewes (The Avenue)	F. W. Jones	TQ(51)408103	130	33.5	40.52	158	121
D Plumpton (School of Agriculture)	Principal	TQ(51)359136	215	...	46.06	172	136
D Barcombe Mills	East Sussex River Bd.	TQ(51)432148	20	33.1	38.82	156	126
D Newick (Hollygrove Cottage)	R. Brown, Esq.	TQ(51)408209	150	...	38.33	160	139
D North Chailey	P. H. Hales, Esq.	TQ(51)372212	250	...	37.25	...	121
D Uckfield (County School)	Headmaster	TQ(51)478214	157	...	36.19	158	121
D Haywards Heath (Paddockhall Road)	Chas. Holman, Esq.	TQ(51)326241	260	...	41.35	187	136
D Horsted Keynes (Holy Well P.S.)	W. H. Ashmole, Esq.	TQ(51)369276	124	...	39.87	197	138
D Ardingly (Shell Brook W.W.)	W. H. Ashmole, Esq.	TQ(51)334284	127	...	40.21	186	137
D Horsted Keynes (Cinder Hill)	L. A. Wood, Esq.	TQ(51)379297	300	...	39.44	191	135
D Balcombe (Lullings)	Mrs. M. Holland	TQ(51)328303	348	...	(41.61)	...	...
D Balcombe (Waterworks)	W. H. Ashmole, Esq.	TQ(51)290312	467	34.8	39.04	201	139
D Balcombe (Highley Manor)	Mr. B. T. Brooks	TQ(51)300318	420	...	40.60	197	145
5.—CUCKMERE & C. 189 sq. mi.							
D EASTBOURNE (Wilmington Square)	Medical Officer of Health	TV(50)611980	20	30.8	37.18	170	124
D EASTBOURNE (Coastguard Station)	Station Officer, for M.O.	TV(50)622999	17	30.8	37.00	163	125
D Eastbourne (Summerdown Road)	A. C. Fraser, Esq.	TV(50)596990	122	31.5	39.35	169	123
D Friston (Water Tower)	Eastbourne Waterworks	TV(50)553984	389	32.1	40.51	177	136
D Friston	Eastbourne Waterworks	TV(50)545986	104	31.6	40.16	179	134
D Jevington	Eastbourne Waterworks	TQ(51)563013	274	33.0	43.27	193	132
D Litlington	Eastbourne Waterworks	TQ(51)523018	19	32.0	39.39	173	123
D Pevensey (Pumping Station)	Hailsham R.D.C.	TQ(51)649047	12	29.0	37.06	161	128
D Pevensey Bay (Pumping Station)	Hailsham R.D.C.	TQ(51)668047	7	29.1	35.42	156	129

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
SUSSEX—(contd.)				ft.	in.	in.		
5.—CUCKMERE & C.—(contd.)								
D	Polegate (Sewage Works)	.. Hailsham R.D.C.	TQ(51)592047	26	33.9	40.32	184	130
D	HANKHAM	.. A. E. Moon, Esq.	TQ(51)621056	68	...	39.44	173	127
d	Hailsham (Michelham Priory)	.. F. G. H. Storey, Esq., M.A.	TQ(51)558093	45	...	40.13	...	126
D	Bexhill (Pebsham Lane)	.. Mrs. C. A. Bishop	TQ(51)758088	40	28.8	38.14	169	131
D	BEXHILL (Egerton Park)	.. (+ A) Bor. Council (H. J. Sargent)	TQ(51)737072	12	28.2	36.33	167	131
D	HASTINGS (White Rock)	.. (+ A) Director of Publicity	TQ(51)809094	149	28.5	33.40	178	123
D	St. Leonards (Filsham Waterworks)	.. Water Engineer (Hastings)	TQ(51)778093	37	28.7	37.18	170	128
D	Hellingly (Amberstone)	.. Eastbourne Waterworks	TQ(51)597113	29	30.3	37.66	166	135
D	Hellingly (Hospital)	.. Medical Superintendent	TQ(51)597124	140	31.5	38.05	174	131
D	Hazards Green (Pumping Stn.)	(+ A) Bexhill Waterworks	TQ(51)681123	74	27.5	35.34	176	131
D	Hastings (Newgate)	.. Water Engineer	TQ(51)807102	243	29.1	36.23	170	132
D	Hastings (Halton Reservoir)	.. Water Engineer	TQ(51)826104	294	29.9	36.05	170	137
D	St. Leonards (Ashbrooke Lodge)	.. N. Lang-Smith, Esq.	TQ(51)796120	230	31.3	39.63	175	136
D	Hollington (Baldslow Reservoir)	.. Water Engineer (Hastings)	TQ(51)796132	422	...	38.46	195	133
D	Battle (Catsfield Manor)	.. Major Y. A. Burges	TQ(51)729133	230	...	36.99	188	132
D	Cowbeech (Pumping Station)	.. Bexhill Waterworks	TQ(51)611150	100	...	36.14	170	129
D	Heathfield (Birchford Farm)	.. Mrs. D. Hook	TQ(51)622198	358	...	39.28	166	142
D	Heathfield (Cross-in-Hand)	.. C. Birnstingl, Esq.	TQ(51)564202	305	34.9	42.96	200	130
6.—ROTHER. 194 sq. mi.								
D	Hastings (Fairlight Reservoir)	.. Water Engineer	TQ(51)842121	513	...	37.02	188	138
d	Hastings (Fairlight, Machico)	.. E. J. Watts, Esq.	TQ(51)878122	100	29.2	35.68	...	136
D	SEDLSCOMBE Rectory	.. Rev. G. N. Martin	TQ(51)776187	188	32.5	39.28	186	128
D	Udimore (The Wick)	.. Major R. P. Mair	TQ(51)886194	92	30.3	35.70	159	125
D	Playden (Scots Float)	.. (+ A) Kent River Board	TQ(51)932226	14	29.2	34.34	143	124
d	Brightling Park	.. Major M. Grissell	TQ(51)682209	545	36.4	44.28	192	140
D	Brightling (Bleak House)	.. T. W. C. Terry, Esq.	TQ(51)683211	550	36.3	44.31	217	144
D	Robertsbridge (Darvell Hall San.)	.. Medical Superintendent	TQ(51)729229	100	31.6	36.57	152	123
d	Burwash (Burnt House Farm)	.. Mrs. S. Gregory	TQ(51)656232	350	36.4	42.06	...	126
D	Burwash (Bateman's)	.. S. T. Lees, Esq.	TQ(51)670238	120	35.3	40.95	174	133
D	Iden (Havencroft)	.. J. N. Baker, Esq.	TQ(51)920238	133	30.0	36.18	178	137
D	Rye (Iden)	.. Admiral Sir Aubrey Smith	TQ(51)917241	150	...	34.43	158	126
D	Hawkhurst (BODIAM)	.. (+ A) A. Guinness, Son & Co., Ltd.	TQ(51)785249	73	31.7	36.94	171	125
D	Hurst Green (Belhurst Farm)	.. C. C. Langer, Esq.	TQ(51)723285	275	31.6	36.54	169	125
D	Northiam (Great Dixter)	.. Quentin Lloyd, Esq.	TQ(51)821251	209	30.3	33.29	156	123
D	Burwash (Crowhurst Bridge)	.. Heathfield Dist. Water Co.	TQ(51)681264	97	30.9	35.65	165	124
7.—MEDWAY. 117 sq. mi.								
D	Rotherfield (Horsegrove Farm)	.. F. W. Shaw, Esq.	TQ(51)556294	528	36.2	45.27	196	142
d	Crowborough (Jarvis Brook)	.. Crowborough Water Co.	TQ(51)540297	325	37.0	43.52	...	133
M	Wadhurst	.. J. S. Roper, Esq.	TQ(51)643320	475	...	40.60	...	...
D	Tunbridge Wells (Cousley Wood)	.. A. Wilkin, Esq.	TQ(51)662337	415	30.4	37.18	196	152
D	Hartfield (Beechcroft)	.. Miss M. E. Power	TQ(51)464345	370	...	41.65	212	138
w	West Hoathly (Railway Station)	.. Weir Wood Water Board	TQ(51)371328	375	34.8	42.21	...	...
w	Whillett's Bridge	.. Weir Wood Water Board	TQ(51)376344	250	33.8	41.38	...	...
d	Forest Row (Rystcot)	.. Mrs. J. E. Brown	TQ(51)447342	200	35.3	41.97	191	130
D	West Hoathly (Duckyls)	.. Mrs. Craven Moore	TQ(51)352338	600	35.4	42.85	178	153
D	Weir Wood Reservoir	.. Weir Wood Water Board	TQ(51)406354	225	33.2	39.52	161	129
w	Kingscote Nursery	.. Weir Wood Water Board	TQ(51)367358	300	34.0	42.83	...	...
D	Frant (Henley Gardens)	.. Mrs. Benskin	TQ(51)597342	440	34.1	39.68	183	133
D	EAST GRINSTEAD (Coombe Hall Schl.)	.. Headmaster	TQ(51)387371	442	...	38.34	164	132
d	Crawley Down (Sandhill Gate Cottage)	.. Mrs. A. A. Styles	TQ(51)348372	400	...	38.53	...	...

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
SUSSEX—(contd.)				ft.	in.	in.		
8.—THAMES. Mole. 27 sq. mi.								
D	Crawley (Broadfield)	(+ A) M. Milne, Esq., B.Sc. ..	TQ(51)263345	300	33.7	38.85	193	146
W	Turner's Hill	Weir Wood Water Board ..	TQ(51)335361	450	33.5	42.81	...	...
D	Worth (Worth Lodge)	Miss M. C. Nix	TQ(51)307364	340	33.9	42.45	206	151
D	Crawley (The Beeches)	M. Longley, Esq.	TQ(51)271362	220	32.1	38.15	176	142
9.—THAMES. Wey. 10 sq. mi.								
HAMPSHIRE. (Area, 1,627 sq. mi.)								
1.—ISLE OF WIGHT. 150 sq. mi.								
D	ST. CATHERINE'S POINT (Lighthouse)	Trinity House, for M.O. ..	SZ(40)506755	51	29.6	35.11	168	135
D	Ventnor (Castle Road)	E. W. Lale, Esq.	SZ(40)557774	170	...	34.79	165	134
D	VENTNOR PARK	Surveyor	SZ(40)560774	445	32.4	36.00	160	131
D	Shanklin (Victoria Avenue)	Isle of Wight Water Board ..	SZ(40)581812	170	36.4	38.94	184	154
D	SHANKLIN	Sandown & Shanklin U.D.C. ..	SZ(40)581808	180	35.5	37.54	171	129
D	Chillerton (Waterworks)	Isle of Wight Water Board ..	SZ(40)490844	125	33.9	40.36	186	139
D	Sandown (Pumping Station)	Isle of Wight Water Board ..	SZ(40)588850	60	32.8	32.35	158	119
D	Freshwater (Waterworks)	Isle of Wight Water Board ..	SZ(40)347858	9	30.0	36.82	161	133
D	Totland Bay (Hurst View)	Capt. F. H. Burnett, T.D. ..	SZ(40)323867	100	...	37.95	186	133
D	||Freshwater (Pumping Station)	Engineer in Charge	SZ(40)341871	5	29.6	37.11	163	132
D	Knighton (Waterworks)	Isle of Wight Water Board ..	SZ(40)567868	100	33.3	34.19	156	135
D	Carisbrooke (Waterworks)	Isle of Wight Water Board ..	SZ(40)487881	57	...	38.52	161	135
D	RYDE (Esplanade Gardens)	Borough Publicity Dept. ..	SZ(40)595929	13	29.9	32.60	170	132
D	§Cowes Waterworks (Broadfields)	Isle of Wight Water Board ..	SZ(40)490952	150	32.3	35.36	161	139
D	Osborne	House Governor	SZ(40)513947	177	...	37.01	172	137
2.—STOUR. 37 sq. mi.								
D	BOURNEMOUTH (Meyrick Park) (+A)	Medical Officer of Health ..	SZ(40)071917	130	...	35.70	169	133
D	Bournemouth (Rothesay Road)	Dr. D. N. Seth-Smith	SZ(40)074923	180	31.0	37.16	178	133
D	Bournemouth (East Avenue)	J. E. Hewitt, Esq.	SZ(40)077926	143	31.1	36.78	161	142
d	CHRISTCHURCH	W. Hants Water Co.	SZ(40)155937	9	...	36.35	...	121
D	Christchurch (Hurn Bridge)	The Earl of Malmesbury ..	SZ(40)126967	19	30.0	36.14	...	...
D	HURN (Bournemouth Airport) (+A)	Meteorological Office	SZ(40)116978	33	30.5	36.56	162	127
3.—EAST AVON & C. 114 sq. mi.								
D	Christchurch (Harrow Lodge)	R. C. Bacon, Esq.	SZ(40)197971	135	32.7	39.56	186	133
D	Ringwood (Bisterne)	Col. Sir John Mills	SU(41)151006	43	33.3	40.02	166	139
D	Ringwood (Crow Hill)	L. Collings-Wells, Esq. ..	SU(41)178043	200	...	38.76	170	136
D	RINGWOOD (Hightown)	Miss M. A. M. Penrose, B.Sc. ..	SU(41)182056	250	33.4	38.60	182	130
D	Ringwood (Grey Friars)	Miss H. Christy	SU(41)150048	50	33.5	39.94	166	132
D	Ringwood (Linwood)	Miss R. M. Haines	SU(41)179095	138	35.1	37.71	182	136
D	Fordingbridge (Furze Hill)	G. G. Smith, Esq.	SU(41)167112	150	33.6	36.75	172	133
4.—TEST & SOLENT. 551 sq. mi.								
D	Milford-on-Sea (Manor Road)	Miss M. B. Clark	SZ(40)288924	56	...	38.88	181	142
D	EVERTON (Efford)	Director, Exp. Hort. Stn. ..	SZ(40)303937	51	...	34.74	158	132
d	Lymington (Waterford)	G. Froome, Esq.	SZ(40)329948	6	...	36.53	165	131
d	Lymington	Borough Engineer	SZ(40)319952	57	31.8	38.69	135	121
d	Holmsley (Toll House)	Forestry Commission	SU(41)227998	212	...	40.54	141	109

|| Gauge over-sheltered.

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
HAMPSHIRE—(contd.)				ft.	in.	in.		
4.—TEST & SOLENT—(contd.)								
D	Bartley (The Nurseries)	.. .. Manager	SU(40)312131	100	36.5	41.74	188	143
D	SOUTHAMPTON (East Park)	.. .. Director, Ordnance Survey	SU(41)419119	65	31.6	36.39	169	131
D	Romsey (Embley Gardens)	.. .. A. White, Esq.	SU(41)323208	130	32.5	38.01	173	134
D	Romsey (Timsbury Pumping Station)	.. .. C. A. Bradley, Esq., C.E. ..	SU(41)346255	99	31.2	35.71	161	131
D	Hursley (Merdon Manor)	.. .. Sir George Cooper, Bart. ..	SU(41)410266	360	32.8	40.78	168	143
D	Sparsholt	.. .. The Principal	SU(41)427319	360	33.5	36.71	168	138
D	Stockbridge (Houghton Lodge)	.. .. Col. R. C. O. Parker, O.B.E.	SU(41)344332	112	31.4	34.14	182	135
D	Stockbridge (Houghton Down Farm)	.. .. R. H. Pantling, Esq.	SU(41)338352	250	...	32.63	169	134
D	Crawley (Chilbolton Down)	.. .. G. W. S. Beale, Esq.	SU(41)409368	350	32.5	35.07	163	128
d	Sutton Scotney (West Stoke Farm)	.. .. John Rowsell Ltd.	SU(41)477372	275	...	34.53	...	...
D	Sutton Scotney (Wonston Manor)	.. .. J. H. Gray, Esq.	SU(41)471381	233	29.6	33.83	181	136
D	Andover (Sewage Works)	.. .. Borough Surveyor	SU(41)360450	180	29.5	34.13	176	136
D	Andover (Waterworks)	.. .. Borough Surveyor	SU(41)368467	205	28.9	32.16	189	131
d	Grateley (Fox Farm)	.. .. W. Arnott, Esq.	SU(41)293432	300	...	33.61	...	...
D	Overton	.. .. Portals Ltd.	SU(41)519508	240	31.4	34.29	176	125
D	Whitchurch (Dumley Manor)	.. .. Sir Alfred Herbert	SU(41)452535	500	32.0	35.10	166	132
D	Linkenholt Manor	.. .. R. Dudley, Esq.	SU(41)362581	700	35.2	39.35	148	133
5.—ITCHEN & SPITHEAD. 422 sq. mi.								
D	§HAYLING ISLAND	.. .. Engineer & Surveyor ..	SZ(40)716988	13	...	30.28	160	119
D	Gosport	.. .. Borough Surveyor	SZ(40)598998	30	...	33.54	161	130
D	SOUTHSEA (Southsea Common)	.. .. Medical Officer of Health ..	SZ(40)640990	7	27.8	31.67	166	127
D	Portsmouth (Eastney)	.. .. City Engineer	SZ(40)684993	12	...	30.25	153	125
D	Farlington (Pumping Station)	.. .. Portsmouth & Gosport W.Co.	SU(41)678058	78	29.1	36.77	167	133
D	Farlington Reservoirs	.. .. Portsmouth & Gosport W.Co.	SU(41)679060	117	29.4	37.09	168	133
D	Farlington (Filter Works)	.. .. Portsmouth & Gosport W.Co.	SU(41)679061	157	28.0	35.72	167	131
D	Havant (Portsmouth Waterworks)	.. .. Portsmouth & Gosport W.Co.	SU(41)711063	25	28.3	34.24	170	130
d	Fareham (West Street)	.. .. N. E. Neville, Esq.	SU(41)580063	41	31.0	35.48	167	137
D	Fareham (Maindell Waterworks)	.. .. Engineer & Surveyor ..	SU(41)589071	36	32.1	36.25	177	139
	Southwick (Pinsley Lodge)	.. .. Portsmouth & Gosport W.Co.	SU(41)637076	150	31.3	37.67	...	...
D	Havant (Leigh Park Farm)	.. (+A) Hampshire River Board ..	SU(41)721087	105	...	36.15	163	130
D	Woolston Depot	.. .. Engineer and Surveyor ..	SU(41)435104	13	30.5	36.19	162	134
	Idsworth (Water Tower)	.. .. Portsmouth & Gosport W.Co.	SU(41)729114	202	33.3	37.60	...	...
	Southwick (Upper Beckford Farm)	.. .. Portsmouth & Gosport W.Co.	SU(41)632110	112	32.0	36.01	...	...
D	Hambledon (Worlds End)	.. .. Portsmouth & Gosport W.Co.	SU(41)629118	115	...	36.68	182	137
D	Southampton (Bitterne Park)	.. .. W. E. White, Esq.	SU(41)441130	25	...	37.03	167	136
D	Southampton (Portswood)	.. .. Borough Engineer	SU(41)434146	10	29.7	38.32	172	139
D	Southampton (South Hill Reservoir)	.. .. C. A. Bradley, Esq., C.E. ..	SU(41)423159	201	30.6	38.63	159	138
D	SOUTHAMPTON (EASTLEIGH)	.. .. Meteorological Office	SU(41)449168	35	28.2	34.04	157	128
D	Curdridge (Sunnyside)	.. .. Miss V. F. Cooke	SU(41)539137	95	32.2	39.53	233	148
D	Leydene (H.M.S. Mercury)	.. .. Portsmouth & Gosport W.Co.	SU(41)680190	675	...	43.10	181	144
	West Meon (Pumping Station)	.. .. Portsmouth & Gosport W.Co.	SU(41)649242	330	...	39.00	...	...
	Catherington Reservoir	.. .. Portsmouth & Gosport W.Co.	SU(41)696146	428	35.6	40.19	...	...
	Hambledon (Whitedale)	.. .. Portsmouth & Gosport W.Co.	SU(41)650154	223	...	37.66	...	...
D	Hoe Pumping Station	.. .. Portsmouth & Gosport W.Co.	SU(41)567168	110	...	36.84	177	139
D	Soberton (Mislingford)	.. .. Portsmouth & Gosport W.Co.	SU(41)596142	136	32.8	37.85	178	139
D	Droxford (Upper Swanmore)	.. .. H. Gadsby, Esq.	SU(41)581174	312	34.1	38.89	191	144
D	Bishops Waltham (Wintershill Hall)	.. .. Mr. E. A. Roberts	SU(41)527184	300	31.8	38.57	167	138
d	Bishopstoke (Church Road)	.. .. A. Clark, Esq.	SU(41)466196	95	...	34.40	...	...
D	Petersfield (Ditcham Park)	.. .. Portsmouth & Gosport W.Co.	SU(41)748177	555	39.5	44.41	158	137
D	Otterbourne (Kingfisher Lodge)	.. .. Major T. T. Phelps	SU(41)468225	80	31.6	36.58	170	135

§ Turf wall round gauge.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958			
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more	
HAMPSHIRE—(contd.)									
5.—ITCHEN & SPITHEAD—(contd.)									
D	Otterbourne (Waterworks)	.. .. C. A. Bradley, Esq., C.E.	SU(41)465235	113	32.0	36.90	165	138
D	Twyford (Pumping Station)	.. .. C. A. Bradley, Esq., C.E.	SU(41)493249	138	32.6	37.78	165	135
D	WINCHESTER (Recreation Ground)	.. Medical Officer of Health	SU(41)484300	121	32.0	36.43	173	130	
d	Winchester (Romsey Road W.W.)	.. City Water Engineer	SU(41)475294	270	31.2	36.02	...	129	
D	Winchester (Bereweke Road)	.. J. L. St. John, Esq.	SU(41)475304	225	32.4	35.54	182	136	
D	Winchester (Harestock)	.. .. C. M. Layton, Esq.	SU(41)469318	220	...	35.81	184	130
D	Bishop's Sutton	.. .. H. C. Mills, Esq.	SU(41)605319	260	32.6	34.39	179	133
D	Itchen Abbas (Chilland)	.. .. W. J. Arnold, Esq.	SU(41)526328	200	31.5	32.43	186	134
d	Itchen Abbas (The Down House)	.. .. Mrs. R. V. Savile	SU(41)529327	200	...	31.85	166	130
D	MARTYR WORTHY	.. .. Farm Director	SU(41)517338	275	...	33.23	164	132
6.—ARUN. 82 sq. mi.									
D	Liss	.. .. (+A) West Sussex River Board	SU(41)772271	195	...	37.13	168	134
d	Liss (Kippences)	.. .. Rev. W. L. de B. Thorold	SU(41)777285	250	36.3	36.67	...	126
M	Greatham (Manor House)	.. .. Capt. A. F. Coryton, J.P.	SU(41)773301	260	...	34.71	...	...
7.—THAMES. Wey. 92 sq. mi.									
D	East Tisted (Rotherfield Park)	.. Col. J. B. Scott	SU(41)691322	555	37.6	39.26	166	136	
D	Alton (Treloar Orthopaedic Hospital)	Secretary	SU(41)724387	350	33.8	35.27	195	124	
D	Alton (Lasham Pumping Station)	.. Mid-Wessex Water Co.	SU(41)685413	407	...	34.35	194	139	
D	ALICE HOLT LODGE	.. .. Forest Research Station	SU(41)804429	378	31.3	33.35	176	130
D	Rowledge	.. .. M. Nimmo, Esq.	SU(41)821435	350	...	34.09	192	130
8.—THAMES. Loddon. 164 sq. mi.									
w	Swainshill	.. .. Mid-Wessex Water Co.	SU(41)721441	550	32.9	36.28	...	...
D	LONG SUTTON	.. .. Lord Wandsworth College	SU(41)748467	512	31.3	32.47	173	129
D	Basingstoke (Upton Grey House)	.. Mr. H. W. Kinge	SU(41)693485	400	29.9	30.09	184	135	
D	Aldershot (Waterworks)	.. .. Mid-Wessex Water Co.	SU(41)864493	251	29.5	31.75	176	129
D	Aldershot Reservoirs	.. .. Mid-Wessex Water Co.	SU(41)859502	393	29.3	32.09	183	128
D	Odiham (Sewage Works)	.. .. Hartley Wintney R.D.C.	SU(41)739521	239	27.5	29.67	171	127
D	Greywell (Pumping Station)	.. .. Mid-Wessex Water Co.	SU(41)724514	263	28.2	29.57	199	128
d	Hook (Nately Hatch)	.. .. Norman A. Lee, Esq.	SU(41)708533	328	29.1	30.14	...	122
d	Hook (Fruit Farm)	.. .. C. H. Mann, Esq.	SU(41)728554	300	...	30.65	...	...
D	Hartley Wintney (S.D. Works)	.. .. Hartley Wintney R.D.C.	SU(41)768580	180	27.3	28.78	160	121
D	BLACKBUSHE Airport	.. .. (+A) Meteorological Office	SU(41)816589	324	...	30.85	178	120
D	SOUTH FARNBOROUGH (R.A.E.)	.. .. (+A) Meteorological Office	SU(41)867544	226	26.9	29.59	175	117
D	Heckfield (Park Corner)	.. .. Mr. W. Smith	SU(41)715627	257	26.3	31.29	211	143
9.—THAMES. Kennet. 65 sq. mi.									
D	Kingsclere (Isle Hill)	.. .. C. E. Harvard, Esq.	SU(41)503581	500	34.1	38.72	199	150
D	Silchester House	.. .. T. M. Hartley, Esq.	SU(41)627617	305	26.5	29.39	169	124
BERKSHIRE. (Area, 722 sq. mi.)									
1.—TEST. 2 sq. mi.									
2.—THAMES. Bourne. 15 sq. mi.									
D	Sunninghill (Blacknest Pumping Stn.)	Surveyor, Windsor R.D.C.	SU(41)959687	130	...	31.06	166	123	
D	Sunninghill (Cedars)	.. .. H. B. Turle, Esq.	SU(41)939686	275	...	32.32	206	130

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with -01 in. or more	Days with -04 in. or more
BERKSHIRE—(contd.)				ft.	in.	in.		
3.—THAMES. Loddon & c. 162 sq. mi.								
D	FINCHAMPSTEAD	J. R. Allison, Esq.	SU(41)792633	212	...	29.30	183	114
D	Beech Hill (Waveney)	Miss D. Page-Roberts	SU(41)699643	220	...	29.40	188	127
d	Broadmoor Institution	Medical Superintendent	SU(41)852638	300	27.3	29.67	...	123
D	Wokingham (Bucks Copse)	Borough Surveyor	SU(41)805681	174	25.3	30.20	186	126
D	Wokingham (Bucks Copse) No. 2	Borough Surveyor	SU(41)805682	174	...	30.25	186	126
D	WOKINGHAM (St. Crispin's School)	Headmaster	SU(41)821686	200	...	28.76	167	123
D	Wokingham (Reading Road)	P. Chandler, Esq.	SU(41)794697	182	25.4	30.02	182	123
D	Wokingham (Winnersh Nursery)	J. T. Adams, Esq.	SU(41)774709	180	...	29.93	169	126
D	Earley (Wokingham Road)	W. Bates, Esq.	SU(41)764716	150	24.8	30.10	180	114
D	Warfield (Jealott's Hill)	Imperial Chem. Indust., Ltd.	SU(41)873733	220	26.7	32.42	199	134
D	READING (SEED TRIAL GROUNDS)	Martin A. F. Sutton, Esq.	SU(41)738738	141	24.2	30.87	165	122
D	Sonning (University Farm)	R. S. Taylor, Esq.	SU(41)763755	168	...	32.05	154	121
D	Twyford (Beenham's Heath)	Mid-Wessex Water Co.	SU(41)851751	139	26.1	31.06	178	129
D	Old Windsor (Straight Road)	J. W. E. Bye, Esq.	SU(41)987741	59	25.1	30.27	176	128
D	Wargrave (Piggott School)	Headmaster	SU(41)785775	124	...	30.52	170	126
D	Wargrave (The Thatched House)	Mrs. E. Sharp	SU(41)788792	200	26.4	32.06	185	138
d	Bray (Braimel)	Noel Vaslet, Esq.	SU(41)907794	75	...	33.88	...	...
d	Maidenhead (Sewage Works)	(+ A) Borough Engineer	SU(41)891805	81	24.7	32.04	184	133
d	Maidenhead Reservoir	Mid-Wessex Water Co.	SU(41)874808	180	...	33.99	196	135
D	Maidenhead (Boulter's Lock)	Thames Conservancy	SU(41)903824	82	25.6	32.56	181	136
D	Cookham (The Sol)	C. Bradshaw, Esq.	SU(41)902851	90	...	33.53	175	133
D	Hambleton Lock	Mr. G. O'Connor	SU(41)781852	105	28.1	38.08	169	144
D	HURLEY (Hall Place Farm)	Director, Grassland Res. Inst.	SU(41)822823	140	...	33.21	185	139
4.—THAMES. Kennet & c. 224 sq. mi.								
D	Inkpen (New Mill)	G. C. Goodhart, Esq.	SU(41)380647	485	33.7	37.82	191	145
D	Mortimer (Grazeley Green)	P. L. d'E. Skipwith, Esq.	SU(41)677678	164	25.7	29.89	175	135
D	||Kintbury (Harold Road)	C. S. Drummond, Esq.	SU(41)390666	365	...	34.74	195	142
D	Kintbury (Sewage Works)	C. S. Drummond, Esq.	SU(41)394672	310	...	34.92	196	141
d	Newbury (Gloucester Road)	L. Giles, Esq.	SU(41)465669	250	30.2	34.73	160	137
D	Newbury (Pumping Station)	Borough Surveyor	SU(41)476674	230	...	34.63	191	144
D	SHINFIELD (Univ. Hort. Farm)	(+ A) Professor of Horticulture	SU(41)734686	200	25.8	28.97	175	120
D	WOOLHAMPTON (Douai Abbey)	The Abbot	SU(41)578681	370	26.2	32.40	190	129
D	Reading Waterworks (Bath Road)	O. Kean, Esq., C.E.	SU(41)702728	217	25.3	31.54	184	127
D	Reading (Forbury Gardens)	K. H. Thorpe, Esq.	SU(41)719736	145	25.3	31.32	176	125
D	READING (University)	Prof. of Geography	SU(41)738748	148	25.7	30.83	179	129
D	Reading (Caversham Lock)	(+ A) Thames Conservancy	SU(41)720740	123	25.0	31.24	174	122
D	Caversham (St. Peter's Hill)	J. A. Sargent, Esq.	SU(41)706752	210	25.5	31.08	153	118
D	Chieveley (Priors Court)	Mr. S. F. Tuffley	SU(41)486738	403	27.8	34.70	190	141
d	Peasemore House	Mrs. E. Brown	SU(41)461770	400	26.2	34.03	...	131
5.—THAMES. Ock & c. 319 sq. mi.								
D	Cold Ash (The Ridge)	Mrs. J. Lawrence	SU(41)519698	488	...	36.42	189	142
d	Reading (Englefield)	Late Sir H. Benyon, Bart., J.P.	SU(41)625721	175	27.1	34.69	...	147
D	Bradfield (Pumping Station)	Mid-Wessex Water Co.	SU(41)604726	174	25.9	31.24	170	129
D	Yattendon (Yattendon Court)	J. F. N. Grange, Esq.	SU(41)559744	360	27.5	33.31	177	125
d	Ashampstead (Pyt House)	Capt. F. M. M. Carlisle	SU(41)578760	260	27.5	37.08	(175)	(142)
D	Wantage (Lockinge Estate Office)	Capt. J. H. Lane Fox	SU(41)428867	400	29.0	32.28	166	135
D	Cholsey (School House)	W. D. Campbell, Esq.	SU(41)587868	150	26.9	32.90	185	136
D	Cholsey (Bow Bridge)	Frank K. Weedon, Esq.	SU(41)605875	142	25.7	32.94	200	134

|| Gauge over-sheltered.

DIVISION II—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
		National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
BERKSHIRE—(contd.)			ft.	in.	in.		
5.—THAMES. Ock & c.—(contd.)							
D Cholsey (Sewage Works)	Wallingford R.D.C. ..	SU(41)590872	150	...	31.73	200	136
D Didcot (Sewage Works)	Wallingford R.D.C. ..	SU(41)527908	170	25.9	30.64	192	139
d Steventon (Hanney Road)	R. H. Marshall, Esq. ..	SU(41)466922	250	...	28.54	...	...
D Great Coxwell (Court House Farm) ..	A. B. Williams, Esq. ..	SU(41)269939	350	...	30.42	177	140
D Abingdon (Sewage Works)	Borough Surveyor ..	SU(41)496959	170	23.8	29.15	206	135
D Abingdon (The Firs)	Miss M. R. Challenor ..	SU(41)487971	180	24.1	29.69	186	143
D Abingdon (Christ's Hospital) ..	F. Lewis, Esq. ..	SU(41)487970	190	25.0	28.39	180	135
d Buckland	Major J. Orr-Ewing, M.C. ..	SU(41)345982	310	...	30.36	...	...
D Abingdon (Frilford Heath)	R. A. Langford, Esq. ..	SU(41)447983	240	24.6	30.43	204	136
D ABINGDON Airfield (+ A)	Meteorological Office ..	SU(41)482990	210	24.1	30.19	185	132
D Abingdon (Sandford Lane Sew. Wks.)	D. Madley, Esq. ..	SP(42)528008	220	24.7	29.96	183	132
D Abingdon (Wootton Waterworks) ..	Borough Surveyor ..	SP(42)468013	265	25.1	31.60	177	137
D Boars Hill (Blackthorn)	A. C. Pilkington, Esq. ..	SP(42)487019	410	26.4	31.73	193	145
D Oxford (Kennington Nursery) ..	Forestry Commission ..	SP(42)518029	350	25.7	32.35	185	146
D Eynsham (Swinford Pumping Station)	H. H. Crawley, Esq., C.E. ..	SP(42)446085	203	25.6	30.81	187	134

DIVISION III—SOUTH MIDLAND COUNTIES

MIDDLESEX. (Area, 232 sq. mi.)

1.—THAMES. Colne & Brent. 185 sq. mi.

D Weybridge (Shepperton Lock) ..	Thames Conservancy ..	TQ(51)074659	41	25.1	28.95	161	122
D §Littleton (Queen Mary Reservoir) ..	Metropolitan Water Board	TQ(51)059696	44	24.4	30.14	147	129
D HAMPTON (Waterworks) .. (+ A)	Metropolitan Water Board	TQ(51)131695	39	23.1	27.16	169	122
D Kempton (Waterworks)	Metropolitan Water Board	TQ(51)111710	40	22.7	27.72	156	120
D Hampton (Refuse Disposal Works) ..	F. L. Higgins, Esq. ..	TQ(51)131715	60	...	29.70	151	119
D Teddington (Stanley Road)	G. Nicholson, Esq. ..	TQ(51)150718	42	...	29.26	169	123
D Hampton Hill (Lindsay Road) ..	P. C. Clarke, Esq. ..	TQ(51)139715	50	...	28.76	165	119
D Staines (Pumping Station)	Metropolitan Water Board	TQ(51)042719	55	24.2	30.07	164	126
D Staines Reservoir (West Side) ..	Metropolitan Water Board	TQ(51)046730	53	24.9	30.25	164	124
D Isleworth (Mogden Works) .. (+ A)	C. B. Townend, Esq., C.E. ..	TQ(51)154753	33	23.4	29.69	165	124
d Longford (Perry Oaks Disp. Works) ..	C. B. Townend, Esq., C.E. ..	TQ(51)060759	77	24.2	28.75	...	116
D Hounslow (Pownall Gardens) ..	P. W. Miller, Esq. ..	TQ(51)136749	70	24.3	30.95	161	125
D Hounslow (Berkeley Avenue) ..	J. E. Cacutt, Esq. ..	TQ(51)103765	80	24.6	31.02	(184)	127
D LONDON AIRPORT (+ A)	Meteorological Office ..	TQ(51)077768	82	23.7	29.12	158	124
D Kew Bridge (Waterworks)	Metropolitan Water Board	TQ(51)185781	36	24.5	30.82	173	128
D Harmondsworth (Road Res. Lab.) (+ A)	D.S.I.R. ..	TQ(51)055773	80	25.2	30.28	175	125
D West Drayton (Pumping Station) ..	L. F. Hobbs, Esq., C.E. ..	TQ(51)062802	98	...	31.30	181	118
d Southall (Ascot Gardens)	P. J. T. Barbary, Esq. ..	TQ(51)130818	105	...	32.13	(164)	(126)
d Acton (Pumping Station) (+ A)	Borough Engineer ..	TQ(51)212797	23	...	31.38	...	120
D Hayes	H. J. Harley, Esq. ..	TQ(51)097810	120	25.7	33.41	184	132
d Hayes (Parkside)	S. J. Wilson, Esq. ..	TQ(51)094809	103	...	31.23	172	128
D Ealing (Hanger Hill Reservoir) ..	Metropolitan Water Board	TQ(51)181818	206	25.5	31.85	168	133
d Uxbridge	E. H. Hamson, Esq. ..	TQ(51)056847	160	...	33.90	...	...
D Cowley	Mrs. M. Hamson ..	TQ(51)053818	100	...	31.98	179	135
d §Willesden Reservoir	Metropolitan Water Board	TQ(51)226842	167	25.7	33.12	...	...
D Willesden (Stonebridge Park) ..	Borough Engineer ..	TQ(51)201841	100	...	31.58	159	134
D Northolt Airport (+ A)	Meteorological Office ..	TQ(51)097846	131	...	32.13	166	129
D Harrow (Oakhurst)	A. Gardner, Esq. ..	TQ(51)147862	295	...	34.65	187	135

§ Turf wall round gauge.

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
MIDDLESEX—(contd.)				ft.	in.	in.		
1.—THAMES. Colne & Brent—(contd.)								
D	Brent Reservoir	(+A) British Waterways	TQ(51)209870	138	25·1	32·78	179	133
D	Ickenham (Pumping Station)	L. F. Hobbs, Esq., C.E. ..	TQ(51)074875	150	...	31·37	180	132
D	Kingsbury (Dors Close)	B. P. FitzGerald, Esq. ..	TQ(51)207874	155	...	33·37	174	132
D	Rayners Lane (High Worple)	R. H. Daw, Esq.	TQ(51)127875	153	...	33·64	186	130
D	Ruislip	(+A) Middlesex County Council	TQ(51)090879	142	26·2	34·02	174	135
D	Harrow (Welldon Crescent)	S. Hyla Greves, Esq. ..	TQ(51)156883	200	26·9	34·39	184	136
D	Hendon (Council Depot)	J. L. Pelham, Esq., C.E. ..	TQ(51)239875	157	26·2	34·04	171	132
D	Hampstead Gdn. Suburb (Hurst Close)	E. Gold, Esq., F.R.S. ..	TQ(51)257883	260	...	35·54	174	133
d	Finchley (Church End)	Sister Marie Jacques ..	TQ(51)255900	296	26·2	35·41	167	138
D	Pinner (Hillcrest Avenue)	P. R. Hands, Esq.	TQ(51)117893	170	...	34·76	196	140
D	WEALDSTONE (Kodak Works)	Kodak Ltd.	TQ(51)144897	175	27·5	34·83	195	138
D	Edgware (M.C.C. Depot)	Middlesex County Council	TQ(51)189913	179	...	35·77	173	148
d	Stanmore	(+A) Harrow U.D.C.	TQ(51)152917	281	27·7	35·90	(182)	(139)
D	Edgware (Edwarebury Park)	J. L. Pelham, Esq., C.E. ..	TQ(51)189932	221	...	35·24	168	143
D	Mill Hill (Barnet Way)	Major N. G. Brett-James ..	TQ(51)248928	308	...	33·21	184	136
D	Mill Hill (Bunns Lane)	J. L. Pelham, Esq., C.E. ..	TQ(51)215915	202	...	34·81	176	136
w	Barnet (Old Ford View)	Capt. C. E. Mills	TQ(51)233966	360	28·4	36·30	...	...
D	Potters Bar (Sewage Disposal Works)	Engineer & Surveyor ..	TL(52)243024	260	26·1	31·46	191	134
2.—THAMES. Lea. 47 sq. mi.								
D	Crouch End (Priory Park)	Hornsey Borough Council ..	TQ(51)300891	118	...	32·67	(192)	129
D	Hornsey (High Street)	Metropolitan Water Board	TQ(51)307894	107	25·4	30·94	154	125
D	Muswell Hill (Council Nurseries) ..	Hornsey Borough Council ..	TQ(51)280907	209	26·8	33·38	171	129
D	Finchley (Avenue House)	P. M. Spencer, Esq., C.E. ..	TQ(51)252902	278	26·8	35·67	163	134
D	Palmers Green (Broomfield Park) ..	Borough Engineer	TQ(51)304925	136	25·7	34·08	170	132
D	ENFIELD (Sewage Works) (+A)	Engineer & Surveyor	TQ(51)359949	43	24·1	34·26	145	123
D	SOUTHGATE (Oakwood Park) (+A)	Borough Engineer	TQ(51)299952	220	25·0	32·85	155	135
D	Enfield (Southbury Road)	Metropolitan Water Board	TQ(51)332965	148	...	31·84	154	133
D	Enfield (Forty Hill)	G. H. Pearce, Esq., F.R.C.S.	TQ(51)338983	125	24·8	32·98	174	137
D	Enfield (Hadley Road Pump. Stn.) ..	Metropolitan Water Board	TQ(51)302980	140	...	33·51	167	132
D	Enfield (Whitewebbs Park)	Engineer & Surveyor	TQ(51)326989	120	25·1	33·49	150	125
d	Enfield (King George's Pump. Stn.) ..	Metropolitan Water Board	TQ(51)372979	52	...	31·67	...	...
HERTFORDSHIRE. (Area, 635 sq. mi.)								
1.—THAMES. Thame. 10 sq. mi.								
2.—THAMES. Colne & Brent. 199 sq. mi.								
d	Maple Cross (Sewage Works)	Colne Valley Sewerage Bd.	TQ(51)037922	137	...	35·26	...	...
D	Northwood (St. Mary's Avenue) ..	R. H. Daw, Esq.	TQ(51)091923	231	27·0	36·11	186	137
d	Bushey Heath (California Lane) ..	Miss C. C. Cooper	TQ(51)147940	550	27·3	35·29	...	...
D	Bushey Heath Reservoir	Colne Valley Water Co. ..	TQ(51)151942	520	26·9	34·78	220	145
D	Totteridge (Great Bushey Drive) ..	J. Monger, Esq.	TQ(51)259941	250	27·7	34·94	203	136
D	Batchworth (Pumping Station) ..	L. F. Hobbs, Esq., C.E. ..	TQ(51)063940	156	27·3	36·40	186	132
D	Chorleywood (Berry Lane)	M. B. King, Esq.	TQ(51)035955	230	...	36·23	195	137
D	East Barnet (Sewage Disp. Wks.)(+A)	East Barnet U.D.C.	TQ(51)284938	137	25·6	32·97	164	131
	East Barnet (Grammar School) ..	East Barnet U.D.C.	TQ(51)278955	270	...	34·70	...	...
D	East Barnet (Tudor Sports Ground) ..	East Barnet U.D.C.	TQ(51)262968	229	...	34·62	180	136

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
HERTFORDSHIRE—(contd.)				ft.	in.	in.		
2.—THAMES. Colne & Brent—(contd.)								
D	Boreham Wood (Furzehill Road)	H. T. Court, Esq.	TQ(51)193964	302	28.6	35.12	165	131
D	Boreham Wood (Shenley Road) (+A)	Elstree R.D.C.	TQ(51)194965	300	...	34.62	162	137
w	Elstree (Aldenham Reservoir)	Colne Valley Water Co.	TQ(51)171957	330	27.9	35.19	...	...
D	Watford (Aldenham Road)	Colne Valley Water Co.	TQ(51)120958	204	26.3	31.38	193	136
D	Watford (Waterworks)	L. C. Kimberlin, Esq., C.E.	TQ(51)114958	170	...	34.30	186	135
D	Chorleywood (Pumping Station)	L. F. Hobbs, Esq., C.E.	TQ(51)037977	219	...	36.02	206	141
D	Watford (Callowland)	K. C. Rees, Esq.	TQ(51)112993	250	...	30.85	170	148
D	Hunton Bridge (Pumping Station)	L. F. Hobbs, Esq., C.E.	TL(52)083007	215	...	36.10	210	139
D	GARSTON (Building Research Stn.) (+A)	Director	TL(52)125015	263	27.0	30.93	181	130
D	Kings Langley (Fir Tree Cottage)	Miss H. M. Toms	TL(52)073026	278	29.9	36.53	200	144
D	BOVINGDON Airport	(+A) Meteorological Office	TL(52)007038	516	...	36.08	186	134
D	North Mimms (Pumping Stn.) (+A)	Barnet District Water Co.	TL(52)233037	254	25.7	31.25	168	126
	Boxmoor (Moorlands)	L. W. Swainson, Esq.	TL(52)041064	300	...	35.05	...	...
D	Hemel Hempstead (Piccotts End)	A. H. Turner, Esq., C.E.	TL(52)048092	300	...	33.41	194	135
d	Colney Heath (Tyttenhanger Pmp. Stn.)	Barnet District Water Co.	TL(52)198057	241	35.5	30.25	189	128
d	St. Albans (High Field Hall)	Mid-Herts. Hosp. Comm.	TL(52)180055	275	...	31.20	...	123
D	St. Albans (Hill End Hospital)	Mid-Herts. Hosp. Comm.	TL(52)176068	295	...	31.69	165	123
D	St. Albans (Holywell Hill)	L. W. Ball, Esq.	TL(52)146066	250	...	33.02	184	135
D	St. Albans (Stonecross Pumping Stn.)	L. W. Ball, Esq.	TL(52)151080	420	26.4	34.22	183	136
D	ST. ALBANS (Oaklands)	Hertfordshire Inst. of Agric.	TL(52)182076	272	25.2	29.99	175	123
D	Hatfield (Roe Green)	Dr. K. Hutton, M.A.	TL(52)214073	267	...	29.36	170	122
D	Hatfield (Pumping Station)	Barnet District Water Co.	TL(52)220077	340	26.4	28.79	181	130
D	Berkhamsted (Rossway)	Maj. A. G. N. Hadden-Paton	SP(42)959072	400	32.7	38.16	217	151
D	Berkhamsted (Amersfort)	W. S. Cohen, Esq.	TL(52)008084	520	...	34.31	186	139
D	Tring (Cowroast Lock)	British Waterways	SP(42)957104	390	29.6	33.68	164	136
D	Tring (New Ground Pumping Stn.)	Bucks. Water Board	SP(42)950107	432	29.5	34.33	186	143
d	Berkhamsted (Ashridge Park)	Mrs. Francis Johnston	SP(42)996113	550	...	34.59	(163)	(154)
D	§Harpenden (ROTHAMSTED) (+A)	Lawes Agricultural Trust	TL(52)132134	420	27.6	32.20	198	136
D	Harpenden (Rothamsted)	Lawes Agricultural Trust	TL(52)132134	420	28.4	33.88	204	139
D	Markyate (Waterworks)	I. Wilson, Esq.	TL(52)052159	538	29.3	35.74	194	133
3.—THAMES. Lea. 340 sq. mi.								
d	Cheshunt (Cemetery)	Cheshunt U.D.C.	TL(52)345024	160	...	31.07	194	136
D	Northaw (Arish Mell)	W. T. Webster, Esq.	TL(52)284025	300	27.1	34.16	194	134
D	Cheshunt Yard	Metropolitan Water Board	TL(52)353035	114	24.7	31.51	166	130
D	Chesham (Darnicle Hill Pump. Stn.)	Metropolitan Water Board	TL(52)309048	250	26.5	33.44	176	132
D	Hatfield (Clarke's Road)	C. A. Barnes, Esq.	TL(52)228090	270	26.3	29.42	203	132
D	Broxbourne (Broxbournebury)	Mr. D. Cake	TL(52)364073	135	...	33.72	206	126
	Hoddesdon	H. F. Hayllar, Esq.	TL(52)372085	130	...	30.52	...	...
D	Hatfield (Essendon)	Lee Conservancy Catchm. Bd.	TL(52)277073	360	...	32.85	201	135
D	Hoddesdon (Feilde's Weir)	Metropolitan Water Board	TL(52)392092	95	24.2	33.18	177	130
D	BAYFORDBURY	Curator, J. Innes, H.I.	TL(52)315103	221	24.7	29.89	166	118
D	STANSTEAD ABBOTS (Rye Meads S.W.)	Resident Engineer	TL(52)389100	97	...	30.68	165	115
D	EASTWICK LODGE Farm	Harlow Development Corp.	TL(52)437118	160	23.7	32.59	195	127
D	Sawbridgeworth (Pumping Station)	Herts & Essex Water Co.	TL(52)464130	180	...	32.37	169	127
D	Hertford (Sewage Works) (+A)	Metropolitan Water Board	TL(52)338134	123	24.5	31.90	171	129
D	Ware (Amwell End Pumping Stn.)	Metropolitan Water Board	TL(52)360139	105	24.1	31.63	173	120
D	Ware (Chadwell Spring)	Metropolitan Water Board	TL(52)350137	140	23.8	31.11	170	121
D	Ware (Collett Road)	F. W. Rayment, Esq.	TL(52)358147	150	...	32.77	182	125
d	Wheathampstead (Water End House)	P. Wyman, Esq.	TL(52)203139	255	...	(30.80)	...	...
D	Harpenden (Sauncey Avenue)	M. Jennings, Esq.	TL(52)139150	383	...	31.41	203	132

|| Site unorthodox.

§ Turf wall round gauge.

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
HERTFORDSHIRE—(contd.)				ft.	in.	in.		
3.—THAMES. Lea—(contd.)								
D	Hadham (Pumping Station)	.. Herts & Essex Water Co. ..	TL(52)420166	170	...	32.32	164	127
D	Welwyn (Mill Lane)	.. Mrs. M. H. L. Gilliat ..	TL(52)233162	240	...	32.39	171	144
D	Hertford (Chapmore End)	.. Lee Conservancy Catchm. Bd.	TL(52)331158	180	...	31.32	191	123
D	Knebworth (Bulls Green)	.. Lee Conservancy Catchm. Bd.	TL(52)270174	407	...	31.33	207	139
D	Ware (Barwick)	.. Lee Conservancy Catchm. Bd.	TL(52)385194	190	...	31.64	176	132
D	Much Hadham (Moor Place)	.. R. C. Norman, Esq. ..	TL(52)422187	270	25.9	33.96	182	133
D	Bishop's Stortford(Castle Mound)(+ A)	Engineer & Surveyor ..	TL(52)490214	224	...	33.44	177	134
d	Ware (St. Edmunds College)	.. Headmaster ..	TL(52)371221	384	...	31.56	179	120
D	Breachwood Green	.. Lee Conservancy Catchm. Bd.	TL(52)155222	489	26.5	31.35	212	133
D	Bishop's Stortford (Dunmow Road)	.. H. J. Holmes, Esq. ..	TL(52)499213	290	26.0	33.08	185	135
D	Little Hadham (Hadham Hall)	.. Herts County Council ..	TL(52)453228	338	25.3	31.47	195	137
d	Knebworth (London Rd. C.P.S.)	.. Headmaster ..	TL(52)254199	303	...	29.87	...	...
D	Whitehall (Pumping Station)	.. Stevenage Develop. Corp.	TL(52)284220	231	...	30.39	181	128
D	Stevenage (Broomin Green)	.. Stevenage Develop. Corp.	TL(52)229241	307	25.5	29.72	185	123
d	Hitchin (Preston Hill Farm)	.. F. H. Maybrick, Esq. ..	TL(52)180240	484	25.7	29.44	187	128
D	Braughing	.. Lee Conservancy Catchm. Bd.	TL(52)402251	340	...	32.89	184	133
D	Braughing (Upp Hall)	.. Mr. W. S. Pimblett ..	TL(52)409241	370	...	31.40	200	127
D	Stevenage (Pin Green)	.. Stevenage Develop. Corp.	TL(52)250257	452	...	30.79	185	127
D	Ardeley Bury	.. Lee Conservancy Catchm. Bd.	TL(52)300270	356	26.7	31.56	193	136
D	Buntingford (Chipping)	.. Lee Conservancy Catchm. Bd.	TL(52)355323	340	25.1	29.67	182	136
D	Anstey (Hall Farm)	.. H. C. Beddington, Esq. ..	TL(52)405329	400	...	31.87	192	134
D	Meesden	.. (+ A) Lee Conservancy Catchm. Bd.	TL(52)426327	450	...	32.39	187	133
4.—OUSE. 86 sq. mi.								
d	Preston (Sadleirs End)	.. H. F. Briggs, Esq. ..	TL(52)180250	500	...	30.40	...	...
D	Hitchin (Knightswood)	.. H. Cooke, Esq. ..	TL(52)191290	300	...	31.44	218	133
D	LETCWORTH (Museum)	.. (+ A) Surveyor U.D.C. ..	TL(52)217324	290	...	29.66	173	123
D	Barley (Dalnyveed)	.. W. F. Sermons, Esq. ..	TL(52)399389	300	...	29.33	166	113
D	Royston (East Brooklands)	.. Mrs. M. E. Campbell-Ferguson	TL(52)355411	198	...	32.25	201	124
BUCKINGHAMSHIRE. (Area, 743 sq. mi.)								
1.—THAMES. Cherwell. 30 sq. mi.								
2.—THAMES. Thame. 158 sq. mi.								
D	Princes Risborough (Research Lab.)	Director ..	SP(42)798029	333	27.7	33.18	189	138
D	Monks Risborough (Waterworks)	.. Bucks Water Board ..	SP(42)814046	363	28.1	34.45	184	139
D	AYLESBURY (County Farm)	.. Bucks Education Comm. ..	SP(42)842114	316	25.9	28.91	169	130
D	Wendover (Dobbins Lane)	.. Bucks Water Board ..	SP(42)861082	402	27.9	36.00	195	140
D	Tring (Dancers End Pumping Stn.)	.. Bucks Water Board ..	SP(42)906090	650	...	32.83	176	131
D	Tring (Bulbourne)	.. British Waterways ..	SP(42)931136	401	29.0	31.34	200	134
D	Tring (Wilstone)	.. E. L. Hawke, Esq., M.A. ..	SP(42)905142	308	...	31.48	213	133
D	Aylesbury (Sewage Works)	.. Engineer & Surveyor ..	SP(42)805142	251	25.5	29.90	175	141
d	Brill (C.E. School)	.. Headmaster ..	SP(42)657138	600	...	34.23	201	135
	Mentmore Gardens	.. Mr. T. Lindores ..	SP(42)906196	400	26.4	34.79	198	135
3.—THAMES. Wye & c. 129 sq. mi.								
D	Eton (Tangier Island)	.. (+ A) G. S. Baker, Esq. ..	SU(41)968777	67	25.9	31.97	173	139
D	Slough (Upton)	.. Mrs. L. R. Bentley ..	SU(41)978791	78	25.4	32.46	192	141
D	Slough (Baylis House)	.. (+ A) Park Superintendent ..	SU(41)970808	90	25.4	34.43	177	137
D	Taplow Court Gardens	.. G. H. Emmett, Esq. ..	SU(41)906822	212	25.5	33.51	188	142
D	Henley-on-Thames (Greenlands)	.. Administrative Staff College	SU(41)775854	120	...	38.02	191	155

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
BUCKINGHAMSHIRE—(contd.)				ft.	in.	in.		
3.—THAMES. Wye & c.—(contd.)								
D	Burnham (Waterworks)	Engineer	SU(41)929829	180	25.7	33.40	171	140
D	Marlow (Bovingdon Place)	J. S. F. Pollitzer, Esq. ..	SU(41)833872	300	...	36.44	194	152
D	High Wycombe (Pann Mill Pump. Stn.)	Borough Water Engineer ..	SU(41)874925	219	29.1	36.38	193	146
	High Wycombe (Lane End Reservoir)	Borough Water Engineer ..	SU(41)816918	659	30.4	38.89	...	...
D	Penn (Rayners)	Mr. R. Cole	SU(41)905935	547	30.7	38.96	197	156
D	Radnage (Hillmeadows)	C. A. Atchley, Esq. ..	SU(41)803957	550	...	39.79	196	150
D	Hampden House	The Earl of Buckinghamshire	SP(42)848024	695	29.3	40.01	178	160
4.—THAMES. Colne. 133 sq. mi.								
d	Slough (Ditton Park)	Admiralty	TQ(51)001778	70	25.7	30.79	160	124
D	Gerrards Cross (Mill Lane)	A. L. Carroll, Esq. ..	TQ(51)008881	280	27.3	35.54	188	137
d	Denham (Golf Club)	Secretary	TQ(51)033879	210	26.0	36.36	...	...
D	Gerrards Cross (Bulstrode Gardens)	Mrs. Madge Wardle ..	SU(41)985884	280	27.6	33.45	153	130
D	Chalfont St. Peter (The Colony)	J. W. Edwards, Esq. ..	TQ(51)003926	340	29.2	38.26	202	140
D	Little Chalfont (Coke's Lane)	T. H. Fowler, Esq. ..	SU(41)988968	425	...	36.54	200	149
D	Amersham (Waterworks)	L. F. Hobbs, Esq., C.E. ..	SU(41)961970	292	...	38.09	191	148
D	Amersham (Chestnut Lane)	R. L. Alexander, Esq. ..	SU(41)969987	500	32.1	38.99	175	148
D	Great Missenden (Pumping Station)	L. F. Hobbs, Esq., C.E. ..	SU(41)910995	372	30.5	36.72	190	137
D	Wendover (Pumping Station)	Bucks Water Board ..	SP(42)879039	486	31.1	37.88	198	143
D	||Great Missenden (The Lee)	W. A. Cummins, Esq. ..	SP(42)898042	600	...	36.68	185	148
D	Chesham Vale (Hawridge Pump. Stn.)	Bucks Water Board ..	SP(42)956055	418	31.1	37.20	189	144
5.—OUSE. 239 sq. mi.								
d	Wing (Burdett Lodge Farm)	B. B. Winter, Esq. ..	SP(42)876242	420	25.9	28.80	...	...
d	Swanbourne House School	H. A. C. Evans, Esq. ..	SP(42)799273	410	...	31.09	202	143
D	Bletchley (Sewage Works)	Bletchley U.D.C. ..	SP(42)886347	220	...	24.31	147	108
d	Buckingham (Sandpit Farm)	R. Davis, Esq. ..	SP(42)702343	260	25.7	28.27	182	143
D	Buckingham (Foxcote Pumping Stn.)	Bucks Water Board ..	SP(42)713357	305	25.4	28.73	185	131
d	Stony Stratford (Calverton Rectory)	Rev. J. S. Payne ..	SP(42)790389	250	...	30.10	(155)	(132)
D	Wolverton (Eton Crescent)	R. H. Clark, Esq. ..	SP(42)811407	280	...	30.57	173	131
D	Newport Pagnell (Wolverton Road)	J. Coales, Esq. ..	SP(42)870436	182	24.3	28.58	186	130
d	Olney (Waterworks)	Water Engineer ..	SP(42)873510	170	24.8	27.87	...	...
D	Olney (Colchester House)	R. E. Sowman, Esq. ..	SP(42)890514	170	...	28.25	183	132
D	Turvey (Brayfield House)	Major M. E. Farrer ..	SP(42)928520	180	24.7	29.40	204	132
OXFORDSHIRE. (Area, 756 sq. mi.)								
1.—SEVERN. Upper Avon. 10 sq. mi.								
D	Sibford Ferris (West View)	B. W. Lamb, Esq. ..	SP(42)363366	570	28.0	32.59	186	139
2.—THAMES. Windrush & c. 261 sq. mi.								
D	Kelmscott	W. R. Hobbs, Esq. ..	SU(41)244994	230	25.8	29.15	165	129
D	Milton-under-Wychwood (Castle Fm.)	H. B. Edginton, Esq. ..	SP(42)237157	550	28.9	35.85	205	146
d	Charlbury (Cornbury Park)	Head Gardener ..	SP(42)347175	420	29.5	33.85	177	130
D	||Chadlington (The Manor)	Paul Handy, Esq. ..	SP(42)333219	400	...	30.05	165	135

|| Gauge over-sheltered.

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
OXFORDSHIRE—(contd.)				ft.	in.	in.		
3.—THAMES Windrush & c.—(contd.)								
D	Glympton Rectory	Rev. C. H. Cox	SP(42)426213	310	28·7	34·40	195	142
D	Chipping Norton (Heythrop College)	Meteorologist	SP(42)363266	600	30·0	31·69	193	128
D	Chipping Norton (Stonecroft) ..	H. Sandels, Esq.	SP(42)313266	750	29·1	34·49	201	142
2.—THAMES. Cherwell. 250 sq. mi.								
D	Oxford (Hinksey Pumping Station) ..	H. H. Crawley, Esq., C.E. . .	SP(42)154049	187	24·8	30·96	178	136
D	Oxford (Osney Lock)	Thames Conservancy	SP(42)503059	186	25·0	29·36	186	141
D	Oxford (Brasenose Reservoir) ..	City Water Engineer	SU(41)557061	368	...	32·44	175	132
D	Oxford (Richmond Road)	R. A. Bowen, Esq.	SP(42)507067	200	25·4	30·33	187	142
D	Oxford (Norham Road)	Miss Josephine Fry	SP(42)514078	200	25·5	31·40	191	143
D	OXFORD (Radcliffe Met. Station) (+ A)	Professor of Geography	SP(42)509072	208	25·7	31·51	196	148
D	Noke (Orchard Cottage)	J. H. C. Whitehead, Esq. ..	SP(42)546131	200	25·5	31·46	179	132
D	Hampton Poyle (The Old Rectory) ..	Dr. G. D. Parkes	SP(42)499154	210	...	29·25	173	128
D	Kidlington (Shipton-on-Cherwell) ..	Alpha Cement, Ltd.	SP(42)482174	250	...	29·50	178	135
D	Woodstock (The Retreat)	Mrs. J. E. Bowles	SP(42)461174	313	...	32·24	187	144
D	Middleton Park	Head Gardener	SP(42)525234	326	27·3	32·32	178	142
D	West Adderbury (Cross Hill) ..	Late Lt.-Col. H.E. du C. Norris	SP(42)466356	338	26·2	30·86	189	141
D	Adderbury	Miss E. F. Spencer	SP(42)476357	350	26·7	29·57	192	134
D	North Newington (Orchard House) ..	H. J. Busby, Esq.	SP(42)419399	392	27·9	32·78	218	145
D	Grimsbury (Pumping Station) (+ A)	Banbury Water Dept. ..	SP(42)459418	299	...	29·20	190	128
4.—THAMES. Thame & c. 210 sq. mi.								
D	Goring-on-Thames (Crossways) ..	G. C. Turner, Esq.	SU(41)599806	159	...	35·69	192	135
D	Henley-on-Thames (Greys Lane) ..	L. Weston, Esq.	SU(41)761824	123	26·5	37·83	192	146
D	Henley-on-Thames (Longlands) ..	J. E. Chalcraft, Esq.	SU(41)762827	150	26·2	35·38	187	139
D	Stoke Row (Vicarage)	Rev. C. Isherwood	SU(41)678840	576	29·7	39·44	173	154
D	Checkendon (Uxmore)	Major F. P. Landon	SU(41)671839	588	29·9	37·67	232	157
D	Ipsden (Hailey)	A. F. Williams, Esq.	SU(41)640858	350	27·1	32·90	182	137
D	Swyncombe House	C. W. Christie-Miller, Esq. .	SU(41)689901	515	30·3	38·28	200	150
D	Swyncombe (Cookley House) ..	Late J. S. C. Bridge, Esq. ..	SU(41)699902	720	31·5	40·42	219	154
D	Ewelme (Quarry)	Agricultural Contractors, Ltd.	SU(41)645901	350	...	31·89	150	125
D	Benson Airfield (+ A)	Meteorological Office	SU(41)631909	219	...	30·80	187	136
D	Watlington (Britwell Salome) ..	R. Broadnight, Esq.	SU(41)673935	400	26·8	31·91	168	132
D	Watlington (Cuxham)	Miss M. E. Edwards	SU(41)665952	200	25·3	32·11	204	148
d	Clifton Hampden (Manor House) ..	The Hon. Mrs. G. Gibbs ..	SU(41)549956	190	25·4	28·75	...	...
D	Watlington (Pyrton Manor) ..	Col. Ducat Hamersley	SU(41)685956	325	27·0	33·84	189	151
D	Wheatfield	Lt.-Col. A. V. Spencer, D.S.O.	SU(41)687996	260	26·1	29·12	174	135
d	Toot Baldon (Potlands)	H. J. Richens, Esq.	SP(42)564002	289	24·7	35·32	...	124
NORTHAMPTONSHIRE. (Area, 1,003 sq. mi.)								
1.—SEVERN. Upper Avon. 60 sq. mi.								
D	Naseby Reservoir	British Waterways	SP(42)670780	519	27·2	32·72	226	143
d	Naseby (Naseby Woolleys)	Col. R. L. Findley	SP(42)665792	520	...	32·71	...	...
2.—THAMES. Cherwell. 77 sq. mi.								

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
NORTHAMPTONSHIRE—(contd.)				ft.	in.	in.		
3.—OUSE. 148 sq. mi.								
D	Hazelborough Woods .. ..	.. Forestry Commission ..	SP(42)655425	441	...	30·36	170	151
D	Towcester (Bradden House) ..	.. J. C. Grant-Ives, Esq. ..	SP(42)645484	420	...	29·43	170	140
D	Towcester (Easton Neston) ..	.. The Rt. Hon. Lord Hesketh	SP(42)702494	325	26·6	29·08	182	140
4.—NENE. 622 sq. mi.								
d	Litchborough Rectory .. ..	.. Rev. Leathley* ..	SP(42)633542	485	26·0	27·60	...	...
D	Blisworth (Grand Union Canal) ..	.. British Waterways ..	SP(42)720550	296	...	29·47	168	131
D	Yardley Hastings (Forest Lodge) ..	.. Forestry Commission ..	SP(42)852572	370	25·1	30·30	208	144
d	Bugbrooke Mill .. ..	.. Messrs. A. R. Heygate & Sons*	SP(42)680588	228	23·6	27·74	...	...
D	Flore .. ..	.. J. Champion, Esq.* ..	SP(42)649601	284	...	27·80	177	135
D	Little Houghton (Bedford Road) ..	.. A. J. Old, Esq. ..	SP(42)812591	300	23·4	29·06	215	136
D	Northampton (Hardingstone Gen. Stn.)	.. Central Elec. Authority* ..	SP(42)762598	189	22·9	28·01	177	125
D	Northampton (General Hospital) ..	.. Secretary Superintendent ..	SP(42)762604	258	24·7	30·00	176	130
D	Northampton (St. Crispin Hospital)	.. Secretary ..	SP(42)715612	398	24·6	28·78	177	135
d	|| Northampton (Stimpson Avenue) ..	.. Mid-Northants Water Board	SP(42)768614	329	...	29·57	...	138
D	Duston (Southfield Road) ..	.. W. P. Walker, Esq. ...	SP(42)717612	342	26·2	30·21	214	143
D	Wollaston (Pumping Station) ..	.. W. J. Anker, Esq., C.E. ..	SP(42)889641	140	22·9	28·31	197	128
D	Wollaston Hall .. ..	.. Messrs. Scott, Bader & Co., Ltd.* ..	SP(42)909631	276	...	26·31	160	120
	Althorp Park .. ..	.. G. W. Butterfield, Esq. ..	SP(42)682652	400	26·5	29·85	...	...
D	Sywell Reservoir .. ..	.. W. J. Anker, Esq., C.E. ..	SP(42)830653	271	...	30·54	191	136
D	Norton Junction .. ..	.. British Waterways ..	SP(42)602657	358	26·5	30·95	206	142
D	Rushden (Cemetery) .. ..	.. W. J. Anker, Esq., C.E. ..	SP(42)965664	260	23·0	26·85	179	121
D	Wellingborough (Nene Wharf) ..	.. Nene River Board ..	SP(42)899664	135	23·1	27·91	187	128
D	Wellingborough (Swanspool) ..	.. R. Kilby, Esq. ..	SP(42)894675	187	24·5	30·58	184	133
D	Wellingborough (Sewage Works) ..	.. R. Kilby, Esq. ..	SP(42)911673	139	...	29·11	176	125
D	WELLINGBOROUGH (Redwell Road) ..	.. L. G. Cottingham, Esq. ..	SP(42)885687	290	...	29·46	191	119
D	Wellingborough (Bushfield W.W.) ..	.. Mid-Northants Water Board	SP(42)876694	286	24·3	29·55	174	124
D	Ravensthorpe .. ..	.. Mid-Northants Water Board	SP(42)682704	320	25·5	29·20	181	145
D	Great Harrowden (The Hall) ..	.. W. Gordon Gilbey, Esq.* ..	SP(42)882709	290	24·8	28·45	147	124
D	Hollowell .. ..	.. Mid-Northants Water Board	SP(42)687723	400	25·5	32·50	209	140
D	RAUNDS (Madison) .. ..	.. T. C. Smith, Esq. ..	SP(42)991721	193	22·8	28·25	185	118
D	Orlingbury (Rectory Farm) ..	.. William Tomkins, Ltd. ..	SP(42)844715	388	...	28·65	198	117
D	Kettering (Sewage Works) ..	.. Borough Engineer ..	SP(42)895729	199	24·4	29·14	182	124
d	Lamport Hall .. ..	.. Sir Gyles Isham, Bart.* ..	SP(42)759745	480	27·2	28·51	...	...
D	Kettering W.W. (Cransley) ..	.. Mid-Northants Water Board	SP(42)833782	275	25·2	32·82	202	132
D	Kettering W.W. (Thorpe Malsor) ..	.. Mid-Northants Water Board	SP(42)830795	345	25·4	31·34	203	124
D	Kettering W.W. (Clover Hill) ..	.. Mid-Northants Water Board	SP(42)869799	344	...	28·44	189	115
d	Thrapston (Islip Furnaces) .. (+ A)	.. Messrs. Stewarts & Lloyds*	SP(42)971783	163	...	27·29	...	...
D	Desborough (U.D.C. Waterworks) ..	.. Mid-Northants Water Board	SP(42)798836	457	25·1	30·32	187	125
D	Brigstock .. ..	.. Messrs. Stewarts & Lloyds*	SP(42)944852	170	...	29·45	143	117
d	Oundle (Nene Wharf) .. ..	.. Nene River Board ..	TL(52)043888	65	23·1	27·33	...	...
D	Corby .. ..	.. Messrs. Stewarts & Lloyds*	SP(42)901885	319	23·9	26·64	162	120
D	Kings Cliff (Apethorpe) .. ..	.. J. W. Tomkins, Esq.* ..	TL(52)022961	127	23·4	26·14	234	112
d	Peterborough (Woodston) ..	.. British Sugar Corpn., Ltd.	TL(52)179975	37	21·7	27·39	...	...
D	Peterborough (Westbourne House) ..	.. E. H. Colman, Esq. ..	TL(52)190975	35	21·6	26·61	179	109
D	Peterborough (Sewage Pump. Stn.) (+ A)	.. L. H. Robjohn, Esq., M.B.E.	TL(52)201984	9	21·4	27·51	172	116
d	Peterborough (Dogsthorpe) ..	.. Welland River Board ..	TF(53)204006	45	21·8	24·64	...	...
d	Wittering (Bone Mill) .. ..	.. W. H. Dutton, Esq. ..	TF(53)041018	183	22·7	26·09	...	...
D	WITTERING Airfield .. ..	.. Meteorological Office ..	TF(53)048032	260	...	25·88	166	133

* Per Nene River Board.

|| Site unorthodox.

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
NORTHAMPTONSHIRE—(contd.)				ft.	in.	in.		
5.—WELLAND. 96 sq. mi.								
D	Market Deeping (Etton)	.. .. L. H. Robjohn, Esq., M.B.E.	TF(53)143048	36	20·7	23·03	168	109
HUNTINGDONSHIRE. (Area, 366 sq. mi.)								
1.—OUSE. 327 sq. mi.								
D	Great Gransden	.. .. Major E. W. R. Bolden	TL(52)267557	150	22·3	27·14	176	121
D	St. Neots (Kings Road)	.. .. W. P. Bond-Smith, Esq.	TL(52)189605	50	21·5	25·80	187	118
D	Hemingford Grey (Church Lane)	.. .. A. G. W. Briars, Esq.	TL(52)293708	25	...	27·65	194	139
D	St. Ives (Tenterleas)	.. .. Mr. H. E. Bell	TL(52)316714	25	21·4	26·88	173	117
D	WYTON Airfield	.. .. (+ A) Meteorological Office	TL(52)284745	141	21·4	26·58	174	117
d	Abbot's Ripton Hall	.. .. L. F. Fillenham, Esq., C.E.	TL(52)241779	80	21·8	26·52	...	...
d	Conington Castle Gardens	.. .. L. F. Fillenham, Esq., C.E.	TL(52)181859	25	22·9	28·65	177	131
d	Huntingdon (Woodwalton Fen)	.. .. Nature Conservancy	TL(52)235845	5	...	24·56	...	...
d	Benwick (Four Hundred Farm)	.. .. L. F. Fillenham, Esq., C.E.	TL(52)324899	5	21·6	27·76	...	...
D	Whittlesea Mere	.. .. L. F. Fillenham, Esq., C.E.	TL(52)237904	10	21·1	26·65	157	119
2.—NENE. 39 sq. mi.								
BEDFORDSHIRE. (Area, 467 sq. mi.)								
1.—THAMES. Colne. 20 sq. mi.								
D	Studham Hall	.. .. A. S. Butler, Esq.	TL(52)012153	636	...	30·95	191	133
D	WHIPSNAD Park	.. .. Zoological Society	TL(52)004178	720	30·4	34·52	210	139
2.—THAMES. Lea. 32 sq. mi.								
D	Luton (Pumping Station)	.. .. Borough Engineer	TL(52)121180	330	26·3	30·02	183	124
D	Dunstable (Waterworks)	.. .. Eastern Gas Board	TL(52)022213	520	...	32·95	196	138
D	Dunstable (Cemetery)	.. .. Borough Engineer	TL(52)011215	515	...	31·10	206	132
d	Dunstable (Cement Works)	.. .. Works Manager	TL(52)015233	430	...	30·12	183	125
D	LUTON (Wardown Park)	.. .. Borough Engineer	TL(52)089231	381	25·1	28·46	158	117
D	DUNSTABLE	.. .. (+ A) Meteorological Office	TL(52)006218	516	25·4	28·03	172	120
3.—OUSE. 408 sq. mi.								
D	Leighton Buzzard (Heath Road)	.. .. Great Ouse River Board	SP(42)924269	250	...	30·30	199	142
D	Battlesden (Pumping Station)	.. .. Bucks Water Board	SP(42)960281	358	26·2	31·17	185	141
D	Meppershall (High Street)	.. .. Mrs. F. Rainbow	TL(52)137362	250	23·0	31·80	162	134
D	WOBURN (Experimental Farm)	.. .. Lawes Agricultural Trust	SP(42)964358	291	24·5	29·24	186	122
D	Letchworth (New Sewage Wks.)	(+ A) Surveyor, U.D.C.	TL(52)208347	209	...	29·05	177	126
d	Stotfold (Three Counties Hospital)	.. .. Dr. McDiarmid	TL(52)203350	200	21·7	28·11	...	...
D	SILSOE (Wrest Park)	.. .. (+ A) Nat. Inst. of Agric. Eng.	TL(52)091358	195	22·5	27·94	173	120
D	Arlesey (Sewage Works)	.. .. H. W. Pridmore, Esq.	TL(52)190363	141	22·7	28·58	163	120
D	Stotfold (Sewage Works)	.. .. H. W. Pridmore, Esq.	TL(52)209384	130	...	27·57	165	120
D	Ampthill (Lyme Road)	.. .. J. K. Horne, Esq.	TL(52)031378	300	...	29·49	193	129
	Shefford (Clifton Close)	.. .. C. H. Inskip, Esq.	TL(52)163392	90	22·1	29·50	...	...
D	Biggleswade (New Spring Pump. Stn.)	.. .. T. A. Staniforth, Esq.	TL(52)210416	175	21·9	28·94	174	117
D	CARDINGTON	.. .. (+ A) Meteorological Office	TL(52)083464	75	20·8	28·30	180	117

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
BEDFORDSHIRE—(contd.)				ft.	in.	in.		
3.—OUSE—(contd.)								
	Kempston	Mr. C. S. Payne	TL(52)033477	125	22.5	28.15	150	115
d	Potton (Sewage Works)	H. W. Pridmore, Esq. ..	TL(52)221485	111	22.5	26.51	...	118
d	Sandy (Sewage Works)	Reg. W. Settle, Esq. ..	TL(52)164502	72	...	25.98	161	125
d	Tempsford	Great Ouse River Board ..	TL(52)161535	57	...	26.28	...	...
d	Bedford (Castle Road)	Miss M. E. Newbery ..	TL(52)057498	100	22.6	28.34	180	124
d	Bedford (Kimbolton Road)	E. H. Lock, Esq.	TL(52)055505	85	...	27.10	...	131
d	Bromham (The Old Smithy)	J. B. G. Savory, Esq. ..	TL(52)010506	110	...	29.44	165	128
d	Bedford (Bedford Park)	(+ A) Borough Engineer ..	TL(52)051510	117	20.8	25.54	172	119
d	Bedford (Reservoir)	n.g. Borough Water Engineer ..	TL(52)043513	235	...	27.79	172	127
d	Goldington (Castle Mill House)	G. A. Rogers, Esq.	TL(52)091509	79	21.4	28.09	170	131
d	GOLDINGTON (The Risings)	J. K. Rothwell, Esq. ..	TL(52)074511	107	...	28.74	186	125
d	Bedford (Renhold)	C. G. Barber, Esq., C.I.E. ..	TL(52)087529	168	22.5	27.28	190	121
d	Pavenham	C. D. Linnell, Esq.	SP(42)982555	200	23.9	26.62	...	...
d	Carlton (Stayesmore Manor)	Col. G. A. Battcock	SP(42)958551	168	24.5	30.15	173	120
d	HARROLD	H. F. Dodd, Esq.	SP(42)952569	150	...	29.50	182	130
d	R.A.E. Bedford	Meteorological Office ..	TL(52)049597	279	...	28.99	...	...
d	Souldrop	C. Gulliver, Esq.	SP(42)984615	300	...	30.23	173	141
4.—NENE. 7 sq. mi.								
CAMBRIDGESHIRE. (Area, 863 sq. mi.)								
1.—STOUR. 17 sq. mi.								
2.—OUSE. 741 sq. mi.								
d	Ashwell (Odsey)	W. Herbert Fordham, Esq. ..	TL(52)293383	256	23.3	30.46	189	125
d	Abington Pigotts Hall	M. G. de Courcy-Ireland, Esq. ..	TL(52)304446	98	23.2	27.98	158	117
d	Melbourn (County School)	W. Ogden, Esq.	TL(52)381447	85	23.2	29.84	209	127
d	Great Shelford Vicarage	Rev. R. Gardner	TL(52)459519	50	...	27.85	166	118
d	Fulbourn (Fleam Dyke)	Cambridge W.W. Co.	TL(52)540549	99	21.4	27.91	198	122
d	Fulbourn (Hospital)	Head Gardener	TL(52)499563	72	21.7	29.11	153	118
d	Cambridge (Grantchester Meadows)	J. M. Wheeler, Esq.	TL(52)443571	35	21.8	28.14	191	136
d	Cambridge (Corpn. Store Yard)	Borough Engineer	TL(52)464579	52	21.0	27.94	...	...
d	CAMBRIDGE (BOTANIC GARDENS)	Director	TL(52)453572	41	21.7	29.01	185	126
d	Cambridge (Corpn. Pumping Stn.)	Borough Engineer	TL(52)466593	42	20.6	29.71	180	126
d	Cambridge (Woodlark Road)	Alderman F. Doggett, Esq. ..	TL(52)436602	62	...	30.39	185	137
d	CAMBRIDGE (N.I.A.B.)	Director	TL(52)434604	85	21.5	28.69	179	125
d	Dullingham (Stetchworth Park)	Mr. H. Fern	TL(52)643591	270	23.3	29.12	166	113
d	Milton (Fen Road)	J. S. Doggett, Esq.	TL(52)483625	20	...	30.30	202	128
d	BOXWORTH	Farm Director	TL(52)347639	157	21.4	27.01	186	121
d	Boxworth (Manor House)	Lt.-Col. E. B. Thornhill, M.C. ..	TL(52)352645	76	23.8	30.61	240	133
d	Oakington Airfield	Meteorological Office ..	TL(52)411660	34	...	26.63	...	...
d	Waterbeach (Bottisham Lock)	Great Ouse River Board ..	TL(52)509657	10	20.2	29.95	140	120
d	Waterbeach Airfield	Meteorological Office ..	TL(52)490665	17	...	28.89	...	...
d	Cottenham (Bernard House)	Miss K. Bull	TL(52)452678	30	22.7	28.95	204	127
d	Fordham (Carter Street)	Miss F. M. Bloom	TL(52)623711	30	21.1	28.76	160	129
d	Bluntisham (Brownhill Staunch)	Great Ouse River Board ..	TL(52)370728	10	21.2	29.45	181	127

|| Site unorthodox.

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS			AUTHORITIES		Rain-gauge site		Average Rain- fall	1958			
					National grid reference	Altitude		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more	
CAMBRIDGESHIRE—(contd.)						ft.	in.	in.			
2.—OUSE—(contd.)											
d	Stretham (Engine House)	..	..	C. O. Clarke, Esq.	..	TL(52)516729	13	19·9	26·90	...	121
D	Ely (Roswell Pits)	..	..	Great Ouse River Board	..	TL(52)560805	114	22·0	29·26	170	121
D	Ely (Prickwillow)	..	..	Supt. Middle Fen Com'rs	..	TL(52)597825	10	23·0	30·11	181	126
D	Littleport (Highfield House)	..	..	Miss S. M. Martin	..	TL(52)564864	67	20·8	26·87	151	119
D	Chatteris (The Vicarage)	..	..	Rev. J. C. Hawthorn	..	TL(52)395858	30	21·6	29·24	211	128
D	Chatteris (Paddock Bridge)	..	..	L. F. Fillenham, Esq., C.E.	..	TL(52)351880	5	20·9	26·85	174	129
d	Ransommoor (Pumping Station)	..	..	T. B. M. Coy, Esq.	..	TL(52)358922	0	...	27·59	...	...
D	Whittlesey (Ashline Sluice)	..	..	L. F. Fillenham, Esq., C.E.	..	TL(52)272962	15	21·5	25·76	192	129
D	Ponders Bridge (Pumping Station)	..	..	J. Lines, Esq.	..	TL(52)262924	3	...	28·86	164	126
D	March	..	..	L. F. Fillenham, Esq., C.E.	..	TL(52)420967	8	23·1	27·69	159	129
D	Upwell (Marmont Priory Lock)	..	..	L. F. Fillenham, Esq., C.E.	..	TF(53)489012	10	20·7	24·49	202	125
3.—NENE. 105 sq. mi.											
D	Stanground Sluice	..	..	L. F. Fillenham, Esq., C.E.	..	TL(52)209973	15	21·7	27·45	177	117
d	Thorney Toll (Elm Tree Farm)	..	..	Mrs. Snushall	..	TF(53)353026	6	21·8	26·24	...	119
D	Thorney (North House)	..	..	H. W. Burton, Esq.	..	TF(53)307034	4	21·1	27·24	176	118
d	Thorney (Nuts Grove Farm)	..	..	T. R. Pick, Ltd.	..	TF(53)328058	12	20·8	27·85	...	122
D	Parson Drove (Clough's Cross)	..	..	J. C. Purser, Esq.	..	TF(53)369094	6	21·3	29·63	190	126
D	Wisbech (Tydd Manor)	..	..	Messrs. A. H. Carter & Sons	..	TF(53)429166	9	20·7	27·28	158	124

DIVISION IV—EASTERN COUNTIES

ESSEX. (Area, 1,532 sq. mi.)

1.—THAMES. Lea. 132 sq. mi.							
D West Ham (Abbey Mills) ..	London County Council ..	TQ(51)387832	15	24.2	30.68	143	117
D Leyton (Sewage Works) ..	(+A) Borough Engineer ..	TQ(51)376862	22	24.1	32.34	174	139
D Lea Bridge (Waterworks) ..	Metropolitan Water Board	TQ(51)359867	23	23.0	31.22	158	129
D Walthamstow (Ferry Lane) ..	Metropolitan Water Board	TQ(51)350892	30	23.2	29.45	150	122
D Woodford (Haggar Lane) ..	Metropolitan Water Board	TQ(51)392901	176	24.5	31.67	158	124
D §Buckhurst Hill Reservoir ..	Metropolitan Water Board	TQ(51)407938	275	25.1	33.24	172	130
D Chingford (Crescent Road) ..	Miss M. L. Mathieson ..	TQ(51)397946	200	24.5	35.12	174	140
D Chingford Mill ..	Metropolitan Water Board	TQ(51)363925	40	23.6	31.53	151	122
D Loughton (High Beech Reservoir) ..	Metropolitan Water Board	TQ(51)410980	376	26.5	34.70	188	135
D Waltham Abbey (Gunpowder Factory) ..	Director E.R.D.E. ..	TQ(51)375013	64	24.3	31.87	180	132
D Roydon Pumping Station ..	Herts & Essex Water Co. ..	TL(52)412102	120	23.3	31.96	167	122
D Spellbrook Lock ..	Lee Conservancy Catchm. Bd.	TL(52)490176	172	23.5	32.59	181	131
D White Roding (Colville Hall) ..	Major G. B. Hoare ..	TL(52)554135	260	...	33.44	196	134
D Hatfield Broad Oak (Barrington) ..	A. H. Gosling, Esq. ..	TL(52)553177	300	25.2	32.30	186	137
D ||STANSTED Airport ..	(+A) Meteorological Office	TL(52)531226	330	...	31.19	184	132
D Stansted Nurseries ..	Edmund Rochford Ltd. ..	TL(52)509242	275	25.8	32.17	193	141
D Stansted (Burton Bower) ..	Major E. Cawkell ..	TL(52)526241	335	...	31.47	195	133
2.—THAMES. Roding & c. 316 sq. mi.							
D Tilbury (Grays Sewage Works) ..	C. S. H. Hawkes, Esq., C.E.	TQ(51)654758	9	20.4	31.18	179	115
d Tilbury (Beaconsfield Road) ..	C. S. H. Hawkes, Esq., C.E.	TQ(51)640765	6	20.9	29.39	...	...

|| Gauge over-exposed.

§ Turf wall round gauge.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
ESSEX—(contd.)				ft.	in.	in.		
2.—THAMES. Roding & c.—(contd.)								
d	Grays (Connaught Avenue Depot) ..	C. S. H. Hawkes, Esq., C.E.	TQ(51)620796	80	20.5	28.66	...	...
d	Rainham (Riverside Sewage Works) ..	Dagenham U.D.C. ..	TQ(51)516823	5	21.8	29.82	185	116
d	Rainham (Spring Farm Rec. Ground)	Hornchurch U.D.C. ..	TQ(51)540824	24	22.0	29.70	157	122
d	Dagenham (Marley School) ..	Science Master ..	TQ(51)496839	10	23.0	29.13	157	110
d	Orsett Hall ..	Col. Sir F. Whitmore, C.B.	TQ(51)652825	70	22.3	28.87	...	111
d	Barking ..	Engineer and Surveyor ..	TQ(51)446830	5	22.4	26.44	155	114
d	East Ham Well ..	Metropolitan Water Board	TQ(51)437842	17	22.2	28.17	157	121
d	CORYTON ..	Superintendent ..	TQ(51)746823	9	...	29.45	160	114
d	Canvey Island ..	Engineer & Surveyor ..	TQ(51)786832	9	21.2	28.74	160	112
d	Upminster (Little Gaynes Gardens) ..	A. D. May, Esq. ..	TQ(51)553855	70	22.5	32.27	177	132
d	Ilford (Loxford Park) ..	Engineer & Surveyor ..	TQ(51)442852	30	...	31.03	...	119
d	Ilford (Goodmayes Park) ..	Engineer & Surveyor ..	TQ(51)468868	38	...	29.70	...	...
d	Ilford (Valentines Park) ..	(+ A) Engineer & Surveyor ..	TQ(51)435872	43	22.7	30.59	154	115
d	Ilford (Seven Kings Park) ..	Engineer & Surveyor ..	TQ(51)455881	57	...	31.48	164	118
d	Ilford (Clayhall Park) ..	Engineer & Surveyor ..	TQ(51)425893	109	24.0	31.32	171	117
d	Ilford (Hainault) ..	N. Twydell, Esq. ..	TQ(51)449918	121	...	31.49	195	120
d	SOUTHEAD (The Cliffs) ..	Pier Master ..	TQ(51)878858	90	21.1	29.16	161	118
d	Southend (Waterworks) ..	Southend Waterworks Co. ..	TQ(51)874853	123	21.1	29.32	...	...
d	Vange (Pumping Station) ..	Southend Waterworks Co. ..	TQ(51)709860	43	20.9	32.66	158	119
d	Manor Park (City of London Cem.)	Superintendent ..	TQ(51)418863	50	22.7	30.37	...	...
d	Horndon (Eastern Sewage Works) ..	Hornchurch U.D.C. ..	TQ(51)606867	23	20.4	32.95	171	133
d	Hornchurch ..	Hornchurch U.D.C. ..	TQ(51)537875	44	22.0	31.40	165	132
d	Wanstead (Red Bridge) ..	Metropolitan Water Board	TQ(51)414882	25	22.7	30.40	163	129
d	Romford (Danes Road) ..	Essex River Board ..	TQ(51)502879	55	...	30.47	...	...
d	Romford (Raphael Park) ..	Engineer & Surveyor ..	TQ(51)518901	109	22.5	30.51	162	124
d	Harold Wood (Recreation Ground) ..	Hornchurch U.D.C. ..	TQ(51)549901	93	21.9	31.72	155	116
d	Havering-atte-Bower (Fernside) ..	E. W. Smith, Esq. ..	TQ(51)519931	360	26.4	34.57	188	138
d	Loughton (The Summit) ..	Mrs. Stoker ..	TQ(51)429977	314	25.0	32.14	168	142
d	Theydon Bois (Thriffs Hill) ..	I. Lloyd-Jones, Esq. ..	TQ(51)457987	245	...	29.76	176	121
d	Theydon Bois (Birch Hall) ..	Miss Blanche Buxton ..	TQ(51)439993	300	24.4	33.47	179	128
d	Chipping Ongar (Fyfield) ..	Essex River Board ..	TL(52)571071	159	...	32.90	165	129
d	Great Canfield ..	G. Eland, Esq. ..	TL(52)582185	270	24.1	30.76	153	122
3.—CROUCH. 186 sq. mi.								
d	Thorpe Bay ..	H. Hawkins, Esq. ..	TQ(51)916861	25	...	30.83	171	126
d	SHOEBURYNESSE ..	(+ A) Meteorological Office ..	TQ(51)948857	11	20.3	29.82	165	110
d	Oakwood Reservoir ..	Southend Waterworks Co. ..	TQ(51)823882	222	...	30.74	168	124
d	Basildon New Town ..	(+ A) Basildon Development Corpn.	TQ(51)705888	95	...	31.51	...	...
d	Rayleigh (Allanbank) ..	Miss E. I. Chant ..	TQ(51)800902	262	23.1	34.00	173	120
d	Wickford (Dollymans Farm) ..	A. H. Philpot & Sons, Ltd.	TQ(51)772921	45	...	35.03	150	127
d	Potton Island ..	A. H. Philpot & Sons, Ltd.	TQ(51)949903	4	22.1	32.33	167	121
d	Burnham (Fisheries Laboratory) ..	Min. of Agric. & Fisheries	TQ(51)947957	0	20.6	31.45	150	109
d	Burnham (Wycke Farm) ..	J. W. Cottis, Esq. ..	TQ(51)963958	0	21.3	32.79	156	126
d	Battlesbridge ..	Essex River Board ..	TQ(51)777956	75	...	33.31	...	120
4.—BLACKWATER. 425 sq. mi.								
d	Hanningfield (Downham P.S.) ..	W. C. Young, Esq., C.E. ..	TQ(51)723790	183	...	34.93	165	128
d	Hanningfield Reservoir ..	W. C. Young, Esq., C.E. ..	TQ(51)744991	160	22.9	33.53	161	128
d	Margaretting (Writtle Park) ..	A. H. Philpot & Sons, Ltd.	TL(52)649038	308	24.7	32.69	187	132
d	Chelmsford (Galleywood) ..	W. Lawrence Taylor, Esq. ..	TL(52)712042	200	23.7	35.97	188	123
d	Chelmsford (Longstomps Reservoir) ..	Water Engineer ..	TL(52)703045	227	23.7	34.87	178	127

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
ESSEX—(contd.)				ft.	in.	in.		
4.—BLACKWATER—(contd.)								
D	Bradwell-on-Sea (Bellropes) ..	H. D. Chillingworth, Esq. ..	TL(52)979054	75	22.0	34.59	166	113
D	WRITTLE	Essex Inst. of Agriculture ..	TL(52)677069	105	23.1	30.72	170	127
D	§MALDON	Town Clerk	TL(52)863065	14	20.7	30.74	176	124
D	Chelmsford (Sandford Mill W.W.) (+ A)	Essex River Board	TL(52)738060	68	21.8	32.70	166	123
D	Chelmsford (Melbourne Avenue)	E. S. Kelley, Esq.	TL(52)695084	140	...	32.55	186	127
D	Hatfield Peverel (Rushes Lock) ..	Southend Waterworks Co. ...	TL(52)795090	40	22.1	32.25	186	130
D	Langford (Treatment Plant)	Southend Waterworks Co. ...	TL(52)826095	40	21.8	31.98	165	123
D	Hatfield Peverel (Butlers)	Mrs. J. Shaw	TL(52)805101	120	21.5	30.54	148	119
D	Witham (Wickham Hall)	Bevington Smith, Esq., C.B.E.	TL(52)831106	60	21.4	32.83	157	132
D	Hatfield Peverel (Lower Farm) ..	H. J. Russel, Esq.	TL(52)808109	101	21.4	30.76	161	117
D	Hatfield Peverel (Whitelands) ..	W. D. Goldsmith, Esq. ..	TL(52)783135	130	22.6	33.17	162	132
D	Great Totham	C. Weston Eve, Esq.	TL(52)853121	190	23.1	32.48	173	125
D	Witham (Faulkbourne Hall)	C. W. O. Parker, Esq. ..	TL(52)803164	100	22.6	32.40	166	126
D	Little Leighs (Kelle)	W. C. Neild, Esq.	TL(52)720183	192	22.8	31.12	183	127
d	Kelvedon (Harboro Hall)	A. Bevington Smith, Esq. ..	TL(52)900186	175	22.8	31.28	...	...
	Rivenhall (Park Gate Farm)	Joseph Smith (Farms) Ltd. ..	TL(52)824191	149	...	28.97	...	...
D	Felsted School	F. M. Lee, Esq.	TL(52)676205	248	23.6	31.96	157	129
D	Felsted (Sugar Factory)	British Sugar Corp. Ltd. ..	TL(52)664211	225	22.5	29.95	139	119
d	Little Dunmow (Throws)	Hasler & Co. Ltd.	TL(52)685224	250	...	28.54	152	117
D	Braintree (Coggeshall Road)	A. F. Gunn, Esq.	TL(52)772235	222	24.2	34.34	168	133
D	Bocking Church Street	W. Andrews, Esq.	TL(52)760260	207	...	33.24	187	137
D	Shalford (Littles)	W. B. Hart, Esq.	TL(52)710273	262	24.0	30.80	175	131
d	Great Bardfield (Great Lodge) ..	Joseph Smith (Farms) Ltd. ..	TL(52)695291	250	...	31.84	173	129
D	Great Bardfield (South Lodge) ..	G. H. Brunwin, Esq.	TL(52)674304	250	23.6	31.99	179	131
D	SAFFRON WALDEN (Friend's School) ..	Headmaster	TL(52)542375	298	...	(32.19)	(182)	(130)
d	Saffron Walden (Sewards End) ..	J. S. D. Coleridge, Esq. ..	TL(52)571383	395	...	31.60	194	135
5.—COLNE & C. 283 sq. mi.								
D	§CLACTON-ON-SEA (Hospital Site) ..	Town Clerk	TM(62)172143	53	21.5	30.05	156	107
D	Clacton-on-Sea (King's Road)	W. Tomlin, Esq.	TM(62)166141	45	...	29.92	145	114
d	Great Clacton (Clay Hall)	Miss E. A. Smith	TM(62)182161	45	21.8	29.22	...	...
D	Tiptree (Waterworks)	S. Essex Waterworks Co. ..	TL(52)884168	239	22.5	29.49	175	128
D	Little Holland (The Sluice House)	Essex River Board	TM(62)216172	14	21.9	28.14	161	117
D	Colchester (Laver de la Haye)	S. Essex Waterworks Co. ..	TL(52)965196	145	21.6	32.64	174	136
D	§WALTON-ON-NAZE	Engineer & Surveyor	TM(62)250220	35	...	28.80	155	111
d	Colchester (Stanway)	Essex River Board	TL(52)961238	120	...	30.84	...	...
D	Colchester (Hythe Gasworks)	Eastern Gas Board	TM(62)014243	10	22.2	31.10	179	120
D	Colchester (Castle Park)	J. S. Orchard, Esq., C.E. ..	TL(52)999255	87	22.6	30.64	162	125
D	Colchester (Waterworks)	J. S. Orchard, Esq., C.E. ..	TL(52)991254	38	22.8	31.67	173	124
	Earls Colne (Coggeshall Road)	C. T. Richardson, Esq. ..	TL(52)860277	220	23.0	30.75	...	...
D	EARLS COLNE (Grammar School)	Headmaster	TL(52)858288	160	23.9	30.20	158	127
D	Ardleigh (Hull Farm)	John Fryer, Esq.	TM(62)043276	120	...	29.78	166	122
d	Ardleigh (Chancery Farm)	Mrs. Lloyd	TM(62)061281	120	22.2	31.57	...	122
D	Halstead (Attwoods)	Miss A. E. Vaizey	TL(52)801299	200	24.5	32.14	176	135
D	Halstead (Fenn Road)	Essex River Board	TL(52)823304	168	...	29.06	145	123
D	Great Yeldham Hall	Miss E. M. Goodchild	TL(52)760385	165	23.4	29.05	183	127
6.—STOUR. 110 sq. mi.								
D	DOVERCOURT	Boro' Surveyor, Harwich ..	TM(62)242301	11	...	27.30	157	109
d	Mistley (The Maltings)	Brooks (Mistley), Ltd. ..	TM(62)108318	30	22.1	31.06	...	116
D	Dedham	Essex River Board	TM(62)071316	115	24.1	33.59	181	124

§ Turf wall round gauge.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958				
				National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more		
ESSEX—(contd.)					ft.	in.	in.				
6.—STOUR—(contd.)											
d	Nayland (Boxted Lodge)	..	..	Essex River Board	..	TL(52)999321	160	23·6	30·21	...	115
d	Nayland (Boxted)	..	..	Carter & Blewitt, Ltd.	..	TM(62)006328	154	23·8	30·85	...	110
d	Nayland (Horkesley Park)	..	..	The Warden	..	TL(52)978333	105	...	31·44	...	122
d	Manningtree (Lawford Place)	..	..	B. X. Plastics, Ltd.	..	TM(62)095310	113	...	32·34	...	127
D	Bures (Colchester Road)	..	..	S. C. M. Malenoir-Vickers, Esq.	..	TL(52)905337	80	...	31·43	202	133
D	Langham (Waterworks)	..	..	S. Essex Waterworks Co.	..	TM(62)017342	44	...	27·67	172	118
D	Sudbury (Belchamp Hall)	..	..	Essex River Board	..	TL(52)826407	160	22·9	29·50	161	121
D	Foxearth	..	..	A. V. Geater, Esq.	..	TL(52)836446	158	...	32·98	180	123
7.—OUSE. 80 sq. mi.											
D	Quendon (Rickling)	..	..	Messrs. Tinney & Hitchcock	..	TL(52)498314	325	23·8	30·07	181	131
D	Saffron Walden (Technical School)	..	..	W. Heyes, Esq., B.Sc.	..	TL(52)532378	235	23·3	29·73	168	119
SUFFOLK. (Area 1,489 sq. mi.)											
1.—STOUR. 271 sq. mi.											
D	EAST BERGHOLT (Flatford Mill)	..	..	Field Centre Warden	..	TM(62)077333	14	23·6	31·86	164	121
D	East Bergholt (Ackworth House)	..	..	Capt. C. J. Church	..	TM(62)065350	145	23·1	30·13	152	117
D	Little Cornard (Moss Cottage)	..	..	Essex River Board	..	TL(52)899365	145	22·2	27·98	158	129
D	Sudbury (Edwardstone)	..	..	Essex River Board	..	TL(52)943422	185	24·5	30·27	166	127
D	Sudbury (Waterworks)	..	..	Engineer & Surveyor	..	TL(52)869423	180	23·2	30·29	190	128
D	Layham (Holbecks)	..	..	Essex River Board	..	TM(62)019417	170	24·5	29·84	168	122
D	Hadleigh (Linden Lea)	..	..	E. A. Lee, Esq.	..	TM(62)035423	185	24·8	30·19	190	128
D	Haverhill (Waterworks)	..	..	Surveyor, Haverhill U.D.C.	..	TL(52)660452	280	24·7	29·99	163	131
D	Long Melford (Westgate House)	..	..	K. F. Colville, Esq.	..	TL(52)862466	141	23·6	29·25	183	133
D	Long Melford (Stafford Works)	..	..	Essex River Board	..	TL(52)847456	113	...	27·44	167	120
D	Clare (Little Wratting)	..	..	Essex River Board	..	TL(52)700475	296	23·4	29·30	180	128
D	Boxted Hall	..	..	Essex River Board	..	TL(52)827506	160	23·9	28·96	179	131
2.—ORWELL. 166 sq. mi.											
D	Cockfield	..	..	Essex River Board	..	TL(52)899557	270	24·2	28·65	155	132
D	Wickhambrook	..	..	B. Alexander, Esq.	..	TL(52)752545	260	...	29·72	...	...
D	IPSWICH (BELSTEAD Hall)	..	(+ A)	Richard Wilson, Esq.	..	TM(62)127413	125	23·5	30·24	200	125
D	IPSWICH (Park Road Reservoir)	..	..	Water Engineer	..	TM(62)163457	186	24·4	29·42	180	121
D	Ipswich (Westerfield P.S.)	..	..	Water Engineer	..	TM(62)165482	120	24·1	29·19	178	123
D	Ipswich (Whitton P.S.)	..	..	Water Engineer	..	TM(62)153483	80	25·0	30·09	178	122
D	Coddanham (Cousins Hill)	..	..	Miss Tidswell	..	TM(62)115553	160	25·8	29·26	191	141
D	Old Newton	..	..	A. E. Stern, Esq.	..	TM(62)051630	206	24·3	26·56	151	116
3.—DEBEN & C. 466 sq. mi.											
D	FELIXSTOWE	..	(+ A)	Meteorological Office	..	TM(62)286328	10	20·9	27·08	165	119
D	Hollesley	..	..	E. S'folk and N'folk R. Bd.	..	TM(62)368439	11	...	27·45	166	128
D	Martlesham (Beacon Hill)	..	..	The Earl of Albemarle	..	TM(62)245472	100	24·0	32·53	173	129
d	Woodbridge (Warren Hill Road)	..	..	Mrs. J. B. Martin	..	TM(62)264487	100	24·2	30·57	162	115
D	Orford (Butley Abbey Farm)	..	..	Sir Peter Greenwell, Bart.	..	TM(62)375491	27	23·6	29·30	173	120

|| Gauge over-sheltered.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
SUFFOLK—(contd.)				ft.	in.	in.		
3.—DEBEN & C.—(contd.)								
D	Melton (Greylands) .. ..	.. A. H. P. Hope, Esq. ..	TM(62)285507	40	24.6	29.64	185	120
D	Grundisburgh (Bridge House) ..	.. Miss L. Cook ..	TM(62)230502	50	24.3	31.24	177	124
D	Orford (Sudbourne Park) ..	.. Sir Peter Greenwell, Bart. ..	TM(62)407511	27	24.3	32.84	181	130
D	Aldeburgh (Haven Sluice) ..	.. E. S'folk and N'folk R. Bd.	TM(62)468583	5	23.6	29.99	189	127
D	Charsfield (Red House) ..	.. D. A. Youngman, Esq. ..	TM(62)243567	150	24.6	27.76	...	...
D	Campsea Ashe .. ..	.. Major R. S. Schreiber ..	TM(62)339554	50	23.8	28.24	161	123
d	Kettleburgh (Home Farm) ..	.. Norman Pulham, Esq. ..	TM(62)258602	110	...	29.55	...	...
D	Blaxhall .. ..	.. R. H. Sherwood, Esq. ..	TM(62)366565	50	...	32.93	177	127
D	§Aldeburgh (Iken Way) ..	.. G. E. Sunderland-Taylor, Esq.	TM(62)444573	10	22.8	27.75	179	129
d	Framlingham (Sewage Works)	.. P. W. Cook, Esq. ..	TM(62)284624	90	25.4	27.41	...	122
D	Leiston (Upper Abbey) ..	.. Miss M. K. Rope ..	TM(62)453645	30	22.6	29.11	175	130
D	Wrentham (Covehithe) ..	.. D. Connell, Esq. ..	TM(62)524818	25	22.9	25.63	172	120
d	Benacre (Pumping Station) ..	.. E. S'folk and N'folk R. Bd.	TM(62)536845	10	22.5	24.24	...	...
D	Sotterley Hall .. ..	.. C. Briscoe, Esq. ..	TM(62)461852	50	...	27.35	181	123
4.—YARE & C. 208 sq. mi.								
D	LOWESTOFT (Secondary School)	.. Borough Treasurer ..	TM(62)543947	82	23.6	26.36	176	128
d	Lowestoft (St. Margaret's Road)	.. Lowestoft Water Co. ..	TM(62)548942	80	23.2	26.04	...	...
D	Corton Vicarage .. ..	.. Rev. C. A. B. Allen ..	TM(62)542975	51	23.9	26.89	187	127
D	Herringfleet House .. ..	.. G. H. Wylls, Esq. ..	TM(62)463986	55	25.7	30.69	204	142
D	Lound (Pumping Station) ..	.. Lowestoft Water Co. ..	TG(63)501008	33	24.0	29.06	179	134
D	Hopton (Hopton House) ..	.. Col. F. E. Walter, D.S.O. ..	TM(62)521998	100	23.9	29.55	157	136
D	Fritton Warren .. ..	.. P. T. Wiltshire, Esq. ..	TM(62)463998	42	25.2	29.32	190	134
5.—OUSE. 378 sq. mi.								
D	Bury St. Edmunds (Turret Close) ..	.. Rev. P. R. Frost ..	TL(52)853641	130	24.9	26.49	168	115
D	Bury St. Edmunds (Corp. Depot) (+ A)	.. Borough Engineer ..	TL(52)850643	181	24.9	27.94	177	126
D	Newmarket (Sewage Outfall) ..	.. F. B. Waterfall, Esq. ..	TL(52)635648	81	23.5	28.62	159	123
d	Moulton (Pumping Station) ..	.. Mildenhall R.D.C. ..	TL(52)698645	135	24.4	28.79	...	...
d	Bury St. Edmunds (Westley Hall)	.. Head Gardener ..	TL(52)825647	226	26.1	28.91	...	131
d	Bury St. Edmunds (Beet Sugar Factory)	.. British Sugar Corpn. Ltd. ..	TL(52)862664	160	24.8	28.11	...	...
D	Pakenham (Church Hill) ..	.. E. Bryant, Esq. ..	TL(52)928670	155	...	25.41	181	121
d	Bury St. Edmunds (Barton Lodge) ..	.. Mrs. S. Cox ..	TL(52)884664	200	24.4	29.17	...	125
D	Mildenhall (Worlington) ..	.. Lord Sandhurst ..	TL(52)684729	30	22.7	29.64	218	127
d	Mildenhall (Eriswell Pumping Stn.) ..	.. Mildenhall R.D.C. ..	TL(52)729761	30	24.5	28.42	165	124
D	MILDENHALL Airfield .. ..	.. (+ A) Meteorological Office ..	TL(52)683778	15	21.6	26.24	163	112
D	Isleham Lock .. ..	.. Great Ouse Catchment Bd.	TL(52)649761	10	20.9	28.61	192	132
D	Elvedon Hall .. ..	.. The Earl of Iveagh, C.B. ..	TL(52)822800	130	24.0	27.56	164	127
D	Brandon (Waterworks) ..	.. Mildenhall R.D.C. ..	TL(52)793862	82	26.4	29.00	187	137
NORFOLK. (Area, 2,041 sq. mi.)								
1.—YARE. 658 sq. mi.								
D	Diss (Roydon Hall) .. ..	.. R. S. Copeman, Esq. ..	TM(62)094807	140	25.7	30.31	174	138
D	Diss (Bressingham Hall) ..	.. A. H. V. Bloom, Esq. ..	TM(62)079805	100	25.6	29.77	198	133
D	Harleston (Starston) .. ..	.. A. L. Taylor, Esq. ..	TM(62)241844	120	25.6	28.33	...	...

§ Turf wall round gauge.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
NORFOLK—(contd.)				ft.	in.	in.		
1.—YARE—(contd.)								
d	Ditchingham .. ..	.. I. G. Rutter, Esq. ..	TM(62)341906	25	25.7	28.14	...	118
d	Beccles (Raveningham Hall) ..	.. Lt.-Col. Sir Edmund Bacon Bt. ..	TM(62)399966	60	25.4	25.95	...	...
D	Wymondham (Browick Hall) ..	.. P. W. J. Fryer, Esq. ..	TG(63)130015	140	26.6	28.23	181	128
	Hardingham Hall .. ..	.. Col. B. M. Edwards ..	TG(63)047037	100	27.8	29.60	...	...
D	GORLESTON (Coastguard Station)	.. Station Officer, for M.O. ..	TG(63)534037	5	23.9	29.39	179	132
d	||Norwich (Cringleford) ..	.. Miss E. J. Edmondson ..	TM(62)192066	75	25.5	27.13	177	124
D	Norwich (City Cemetery) ..	.. L. Alan Jewell, Esq. ..	TG(63)212086	93	25.6	27.35	171	134
d	||Norwich (Marlingford Hall) ..	.. Vice Admiral Sir Edward Evans-Lombe ..	TG(63)127081	83	26.3	27.33	164	134
	Great Fransham .. ..	.. Sir Stephen Renshaw, Bart. ..	TF(53)897133	230	28.8	30.20	...	143
D	East Dereham (The Laboratory)	.. Leonard A. Pett, Esq. ..	TF(53)994132	200	26.3	31.24	172	135
D	Taverham (Deighton Hills) ..	.. T. B. Norgate, Esq. ..	TG(63)162143	100	25.7	27.44	186	135
D	Sparham Hall .. ..	.. Major D. J. W. Sayer ..	TG(63)072187	100	25.9	27.51	182	144
D	WEST RAYNHAM Airfield ..	(+ A) Meteorological Office ..	TF(53)847245	240	...	30.53	190	135
D	Cawston (Rectory) .. ..	.. Rev. E. F. W. Ames ..	TG(63)134238	152	27.2	29.16	189	148
D	Colkirk Hall .. ..	.. J. T. Joice, Esq. ..	TF(53)925266	210	28.2	30.53	209	146
D	Fakenham (Sapelli) .. ..	.. E. W. Cooper, Esq. ..	TF(53)921296	160	...	31.82	204	151
2.—YARE. Bure & c. 368 sq. mi.								
D	BURLINGHAM (Horticultural Stn.)	.. Norfolk Education Com'tee ..	TG(63)373101	89	24.8	26.15	175	130
D	Great Yarmouth .. ..	.. Borough Engineer ..	TG(63)527086	10	...	27.78	171	130
D	SPROWSTON .. ..	.. Director, Norfolk Ag. Stn. ..	TG(63)251123	93	25.4	27.99	215	133
d	Horsham St. Faith (Airfield) ..	(+ A) Meteorological Office ..	TG(63)220131	98	...	27.39	...	...
D	Yarmouth (Ormesby St. Michael)	.. Great Yarmouth W. W. Co. ..	TG(63)468152	22	25.1	30.48	178	148
D	Horning (Pumping Station) ..	.. Great Yarmouth W. W. Co. ..	TG(63)358164	9	24.7	26.39	154	120
d	Haynford (The Studio) .. ..	.. J. C. Harrison, Esq. ..	TG(63)232177	50	26.3	28.52	176	139
d	Wroxham (Barton Hall) .. ..	.. Lady Delia Peel ..	TG(63)354221	25	...	28.40	153	118
d	Hickling (Old Rectory) .. ..	.. Cmdr. R. Barlow, R.N. Retd. ..	TG(63)408237	10	25.4	28.22	155	127
D	Aylsham (Woodgate House) ..	.. Lt.-Col. P. W. Purdy ..	TG(63)183261	100	27.3	31.31	218	146
D	Aylsham (The Mount) .. ..	.. Dr. C. L. Maingay ..	TG(63)189271	90	...	30.76	206	138
D	Aylsham (Banningham Rd.) ..	.. H. W. Gould, Esq. ..	TG(63)207284	80	27.8	31.15	195	144
D	Aylsham (Mill House) .. ..	.. R. L. Rust, Esq. ..	TG(63)197274	50	27.0	32.08	192	139
d	Hindolveston (Hope House) ..	.. Mrs. R. A. Pickering ..	TG(63)042295	190	...	34.21	...	...
D	Edingthorpe (The Warren) ..	.. Mrs. Dorothy E. Pearse ..	TG(63)304311	100	...	29.54	187	142
D	Erpingham (Wolterton Park) ..	.. Lord Walpole ..	TG(63)164318	115	28.1	31.40	166	136
3.—STIFFKEYS & C. 290 sq. mi.								
D	Sandringham House Gardens ..	.. Mr. H. Parsons ..	TF(53)695288	121	27.2	30.53	190	146
D	Fulmodestone School .. ..	.. E. H. Clements, Esq. ..	TF(53)994309	214	27.3	29.04	167	142
D	Holt (Brinton Grange) .. ..	.. Sir Charles Bristow, C.I.E. ..	TG(63)037354	140	26.7	33.06	204	125
D	Cromer (Northrepps Hall) ..	.. Lt.-Col. C. R. Gurney ..	TG(63)232399	200	26.5	33.09	203	146
D	CROMER (Howards Hill) .. ..	.. Clerk to the U.D.C. ..	TG(63)208422	178	24.5	28.98	192	147
	Cockthorpe (The Old House) ..	.. Rev. E. C. S. Upcher ..	TF(53)983422	120	23.4	26.97	154	123
D	Burnham Market (School House)	.. A. E. Evans, Esq. ..	TF(53)833422	50	24.3	28.85	199	129
D	Sheringham (Pine Grove) ..	.. T. E. Ormond, Esq. ..	TG(63)165425	70	26.4	28.51	220	140
D	Wells (Outfall Sewage Works)	.. Surveyor ..	TF(53)912440	8	23.5	27.96	204	132
D	Wiveton (Glaven Corner) ..	.. Canon B. E. Foyster ..	TG(63)042426	25	26.1	31.86	219	137
D	Holme-next-Sea (Holme House)	.. Mr. D. E. Plume ..	TF(53)701435	10	22.2	27.68	194	127

|| Gauge over-sheltered.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
		National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
NORFOLK—(contd.)			ft.	in.	in.		
4.—OUSE & C. 709 sq. mi.							
D SANTON DOWNHAM .. ..	.. Forestry Commission ..	TL(52)813901	80	...	26.49	162	118
D Denton Lodge (Pumping Station) ..	.. Wisbech & Dist. Water Bd. ..	TL(52)753920	120	24.8	28.86	199	130
D Southery (Pumping Station) ..	.. Feltwell New Fen Drain. Bd. ..	TL(52)613932	0	...	28.13	184	121
D Denver Sluice .. ..	.. Great Ouse River Board ..	TF(53)587009	10	22.8	27.30	152	129
D Downham (Dial House) ..	.. Messrs. T. H. Wenn & Co. ..	TF(53)607031	50	23.8	28.50	161	128
d Outwell (Well Creek Sluice) ..	.. L. F. Fillenham, Esq., C.E. ..	TF(53)529029	16	21.3	26.45	150	129
d Stow Bardolph (Stow Fen P.S.) ..	.. A. E. Clarke, Esq. ..	TF(53)598058	8	...	26.48	...	116
D Stow Bridge (Crabb's Abbey) ..	.. R. D. Carter, Esq. ..	TF(53)600078	8	22.3	26.83	144	121
D Hilborough Hall Gardens ..	.. A. McIntyre, Esq. ..	TF(53)827001	80	...	25.60	162	136
D Swaffham (Cemetery) ..	.. Swaffham U.D.C. ..	TF(53)821081	210	...	30.70	184	140
D MARHAM Airfield	(+ A) Meteorological Office ..	TF(53)739087	76	...	26.95	178	120
D Marham (Pumping Station) ..	.. J. K. Dawson, Esq. ..	TF(53)717107	20	24.8	28.82	170	134
D Narborough Hall .. ..	.. F. H. Ash, Esq. ..	TF(53)748130	45	25.4	29.63	178	128
D Wiggshall (St. Germans) ..	.. J. A. Rudland, Esq. ..	TF(53)599139	8	...	28.73	154	123
d Wiggshall (St. Germans Sluice) ..	.. L. F. Fillenham, Esq., C.E. ..	TF(53)588143	9	...	29.18	146	119
D King's Lynn (North Runcton Lodge)	Capt. W. N. Gurney ..	TF(53)644163	50	23.2	27.78	179	125
D TERRINGTON ST. CLEMENT (E. H. Farm)	Director	TF(53)547187	13	20.4	27.79	185	122
D Terrington St. Clement (Manor Farm)	C. W. Cave, Ltd. ..	TF(53)553204	13	21.7	28.00	173	127
D Gayton (Pumping Station) ..	.. H. G. Ridler, Esq. ..	TF(53)734207	131	...	27.71	167	135
D Clenchwarton (The Beeches) ..	.. Samuel Brown, Esq. ..	TF(53)594212	10	22.8	30.67	168	129
D King's Lynn (Manure Works) ..	.. W. J. R. Baxter, Esq. ..	TF(53)622188	0	...	28.63	183	119
D King's Lynn (Freebridge) ..	.. Great Ouse River Board ..	TF(53)613184	15	22.6	31.21	162	141
D King's Lynn (Technical College) ..	Principal	TF(53)622196	14	...	30.54	186	127

DIVISION V—SOUTH-WESTERN COUNTIES

WILTSHIRE. (Area, 1,370 sq. mi.)

1.—LOWER AVON. 383 sq. mi.

D Upton Scudamore (Pumping Stn.) ..	Engineer & Manager ..	ST(31)862483	305	33.3	33.75	181	136
D Westbury (Wellhead)	Waterworks Engineer ..	ST(31)877501	321	...	35.23	190	140
d Westbury (Sec. Mod. School) ..	Headmaster	ST(31)869509	225	...	(31.70)	154	129
D WEST LAVINGTON (Dauntsey's School)	Headmaster	SU(41)000535	305	30.5	31.32	174	133
D Little Cheverell House	Dr. T. W. Newton Dunn ..	ST(31)992539	300	30.2	32.71	176	136
D Market Lavington (Chestnut Cottage)	John Saxton, Esq. ..	SU(41)016543	304	29.5	32.88	189	130
Trowbridge (Site No. 3)	County Surveyor	ST(31)843562	180	...	32.96	...	...
D Trowbridge (Bowling Green) ..	Engineer	ST(31)858577	131	...	32.70	163	138
D Bradford-on-Avon (Iford Manor) ..	Miss Serena Peto ..	ST(31)801588	101	33.2	35.10	162	123
d Bradford-on-Avon (Frome Road) ..	G. T. Meaden, Esq. ..	ST(31)825606	108	...	34.75	190	152
D Devizes (Grammar School) ..	Geography Master ..	ST(31)999618	411	...	33.58	191	132
d Great Chalfield	Mrs. C. Floyd	ST(31)858633	165	31.0	37.57	247	154
D Melksham (Forest Road) ..	Bristol Avon River Board ..	ST(31)903645	123	...	31.43	...	...
D LACOCK (LACKHAM House) ..	School of Agriculture ..	ST(31)923702	160	29.1	33.34	176	147
d Corsham (The Grove) ..	G. S. Beaty, Esq. ..	ST(31)871698	300	...	35.60	188	147
D Chippenham (Waterworks) ..	Borough Surveyor ..	ST(31)917728	144	31.1	33.83	188	138
d Colerne Airfield	Meteorological Office ..	ST(31)804718	595	...	36.73	...	...
D Chippenham (Hardenhuish Res.) ..	G. L. T. Stewart, Esq. ..	ST(31)913752	345	...	34.13	198	142
D LYNEHAM Airfield	(+ A) Meteorological Office ..	SU(41)012786	456	28.8	33.52	183	137
D Chippenham (Littleton Drew) ..	J. D. Marriott, Esq. ..	ST(31)832802	418	31.9	37.09	180	142

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
WILTSHIRE—(contd.)				ft.	in.	in.		
1.—LOWER AVON—(contd.)								
D	Tockenham Manor .. ..	.. Major G. J. Buxton ..	SU(41)040811	400	30.2	32.24	188	143
d	Malmesbury (Norton Manor) ..	.. Major N. S. Wilson ..	ST(31)883846	326	33.2	37.70	...	...
D	Malmesbury (Pinkney Park) ..	.. Major E. H. L. Rowcliffe ..	ST(31)862872	310	...	36.28	221	150
D	Malmesbury (Elm Leaze) ..	.. Miss E. Milnes-Walker ..	ST(31)936862	260	32.5	34.58	176	133
2.—STOUR. 33 sq. mi.								
d	Mere (Charnage) .. ..	.. W. G. B. White, Esq. ..	ST(31)833319	426	35.3	37.68	150	133
D	Stourhead .. ..	.. H. P. R. Hoare, Esq. ..	ST(31)778341	583	39.4	44.81	192	149
3.—EAST AVON. 554 sq. mi.								
D	Broad Chalke .. ..	.. Dr. H. N. Burroughes ..	SU(41)040253	362	36.1	39.88	170	135
D	Salisbury (Folkestone Road) ..	.. M. A. Chaplin, Esq. ..	SU(41)139288	200	32.7	37.14	185	132
D	Fonthill House Gardens .. ..	.. Major J. G. Morrison, M.P. ..	ST(31)932326	400	39.1	42.17	175	142
D	Salisbury (Sewage Works) ..	(+ A) City Engineer ..	SU(41)149293	147	30.1	36.21	171	137
D	Salisbury (Manor Road) .. ..	.. Miss L. C. D. Awdry ..	SU(41)151305	250	32.5	38.40	189	141
D	Salisbury (Atherton House) ..	.. W. Fletcher, Esq. ..	SU(41)150307	250	31.0	34.38	185	130
D	Wilton (Stone Lodge) .. ..	.. Major B. W. Parker ..	SU(41)094310	175	33.2	38.01	176	138
d	Salisbury (Dinton) .. ..	.. Mrs. Bovill ..	SU(41)014316	300	32.1	32.38	...	124
D	PORTON (C.D.E.E.)	(+ A) Meteorological Office ..	SU(41)210366	363	29.4	32.33	179	132
D	Steeple Langford (Woodstock) ..	.. Miss A. J. Powell ..	SU(41)039374	257	32.5	39.34	167	134
D	Wylve (Fisherton de la Mere) ..	.. Lt.-Col. F. N. Jeans ..	SU(41)998387	350	32.7	33.44	137	132
d	Hindon (Lower Pertwood) ..	.. Col. J. Houghton Brown, D.S.O. ..	ST(31)880355	689	...	41.38	...	...
d	Maiden Bradley House .. ..	.. The Duke of Somerset ..	ST(31)804387	620	39.1	40.89	165	162
D	BOSCOMBE DOWN Airfield ..	(+ A) Meteorological Office ..	SU(41)172393	417	28.5	30.58	168	127
d	Warminster (Crockerton Pump. Stn.)	.. Warminster U.D.C. ..	ST(31)854423	460	36.9	40.18	...	...
D	Warminster (Henford) .. ..	.. Cmdr. V. J. Robinson, R.N. ..	ST(31)875445	400	34.8	37.65	188	140
D	LARKHILL (School of Artillery) ..	(+ A) Meteorological Office ..	SU(41)137444	430	28.3	33.85	180	130
d	Shrewton (Maddington) .. ..	.. Miss V. L. Windsor ..	SU(41)068443	285	29.6	33.21	186	137
D	Everleigh Rectory .. ..	.. Rev. J. S. Macnutt ..	SU(41)198541	590	31.2	38.00	178	135
D	UPAVON Airfield	(+ A) Meteorological Office ..	SU(41)164547	450	...	35.60	179	138
D	Woodborough (The Manor House) ..	.. Brigadier N. C. Lang, M.C. ..	SU(41)115599	400	32.1	35.98	188	146
D	Pewsey (Oare) .. ..	.. Miss F. M. Peall ..	SU(41)154625	500	...	34.43	191	149
D	Bishops Cannings .. ..	.. R. J. Combes, Esq. ..	SU(41)043644	446	31.6	33.85	174	133
4.—TEST. 77 Sq. mi.								
D	Redlynch House .. ..	.. Major J. R. Abbey ..	SU(41)199212	400	...	36.79	181	140
d	Whiteparish (Sarum Quarry) ..	.. Agric. Contractors, Ltd. ..	SU(41)219242	345	...	35.67	...	121
D	Ludgershall (Conholt Park) ..	.. Miss H. M. Gaskell ..	SU(41)326550	760	35.1	39.28	181	147
	Fosbury Manor .. ..	.. C. W. Gannett, Esq. ..	SU(41)306585	580	...	37.77	...	...
5.—THAMES. Kennet. 169 sq. mi.								
D	Bishops Cannings (Shepherds Shore) ..	.. Devizes Gas & Water Dept. ..	SU(41)048667	567	31.7	33.48	189	132
D	MARLBOROUGH College .. ..	.. Headmaster ..	SU(41)185686	424	33.6	36.12	202	145
D	Aldbourn (Manor House) .. ..	.. W. A. Brown, Esq. ..	SU(41)260756	435	...	34.71	210	146
6.—THAMES. Cole & c. 154 sq. mi.								
D	Wroughton (Swindon Waterworks) ..	.. J. Ackroyd, Esq., B.Sc., C.E. ..	SU(41)151803	448	29.6	31.98	184	134
d	Wroughton (Priors Hill) .. ..	.. K. Browning, Esq. ..	SU(41)147800	510	...	34.82	174	138
D	Chisledon (Hodson House) .. ..	.. A. Deadman, Esq. ..	SU(41)173805	560	30.6	29.64	193	132
D	Swindon (Town Gardens) .. ..	.. J. Ackroyd, Esq., B.Sc., C.E. ..	SU(41)151835	476	29.0	31.76	186	137

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
DORSET. (Area, 938 sq. mi.)				ft.	in.	in.		
1.—PARRETT. 61 sq. mi.								
D	Crewkerne (Chedington)	.. F. A. Highmore, Esq.	ST(31)493059	605	37·2	45·11	177	141
d	Yetminster	.. S./Ldr. G. F. W. Zimmer	ST(31)595105	173	...	39·91	...	147
d	Ryme Intrinseca (The Court House)	.. Mrs. B. Thorpe	ST(31)581109	232	...	36·30	191	137
D	Sherborne (Sewage Disposal Works)	.. Sherborne U.D.C.	ST(31)629154	164	29·7	35·66	174	132
d	Sherborne (Leafield Cottage)	.. A. S. Arnold, Esq.	ST(31)644169	212	31·7	36·73	...	147
D	Sherborne (Barton Gardens)	.. C. E. Bean, Esq.	ST(31)628168	285	31·1	35·04	197	136
D	Sherborne (Waterworks)	.. Sherborne U.D.C.	ST(31)646169	200	...	34·12	173	136
2.—AXE. 25 sq. mi.								
D	Forde Abbey	.. G. D. Roper, Esq.	ST(31)359052	200	39·2	40·43	167	130
3.—FROME & C. 501 sq. mi.								
D	PORTLAND BILL Lighthouse	.. (+ A) Lightkeeper, for M.O.	SY(30)677684	35	26·6	29·55	164	117
d	Portland (Secondary Mod. School)	.. Headmaster	SY(30)687717	300	28·9	(32·62)	...	...
D	WEYMOUTH (Westham)	.. (+ A) Town Clerk	SY(30)676791	16	30·0	32·61	158	131
D	Swanage (Panorama)	.. E. Horncastle, Esq.	SZ(40)021787	120	30·0	35·59	155	126
D	Swanage	.. Clerk to U.D.C.	SZ(40)030794	37	30·6	34·56	159	120
d	Corfe Castle (Waterworks)	.. P. S. Browne, Esq.	SY(30)960825	35	...	35·15	...	119
D	Creech Grange	.. Lt.-Col. A. R. Bond, M.B.E.	SY(30)911823	228	37·5	39·64	201	138
D	Abbotsbury (West Street)	.. Late J. C. P. White, Esq.	SY(30)574853	147	32·0	37·17	171	140
d	Abbotsbury (West End)	.. The Earl of Ilchester	SY(30)565851	100	31·7	35·02	...	134
D	Martinstown (The Chantry)	.. N. I. Symonds, Esq.	SY(30)648888	240	...	44·01	179	140
D	Upwey (Friar Waddon)	.. Engineer and Surveyor	SY(30)652857	215	35·1	37·75	160	128
D	Upwey (Dorchester Road)	.. A. H. White, Esq.	SY(30)669846	145	...	36·83	179	133
d	Upwey (Elwell)	.. R. J. Shepstone, Esq.	SY(30)667848	130	...	38·37	168	147
D	Warmwell	.. Weymouth W.W. Co.	SY(30)749873	134	35·9	39·05	161	134
D	Wareham (Trigon)	.. Miss N. Sturdy	SY(30)886889	60	34·2	37·75	182	132
D	Litton Cheney (Primary School)	.. C. J. Bailey, Esq.	SY(30)550902	220	...	40·23	170	136
D	Burton Bradstock (Gages)	.. W. H. Hawker, Esq.	SY(30)488897	70	...	32·87	168	131
D	Burton Bradstock (White House)	.. Major J. M. Wratlslaw	SY(30)488896	40	...	37·16	170	141
D	Dorchester (South Court Avenue)	.. E. A. Sparks, Esq.	SY(30)692897	220	...	40·93	173	133
D	Dorchester (Queen's Avenue)	.. Miss M. H. G. Bond	SY(30)688898	240	...	40·28	173	137
D	Dorchester (Stinsford)	.. J. Wyndham Hull, Esq.	SY(30)712913	207	...	41·26	163	141
D	Dorchester (Birkin House)	.. Mrs. Weber	SY(30)712917	230	...	40·92	162	142
D	Dorchester (Little Cheam)	.. H. F. Middleton, Esq.	SY(30)717928	250	...	40·92	181	139
D	POOLE	.. (+ A) Borough Council	SZ(40)027915	18	...	36·07	170	130
d	Poole (Pitwines Gasworks)	.. Southern Gas Board	SZ(40)016907	6	...	35·10	...	118
d	Poole (Henry Harbin School)	.. T. Johnson, Esq., B.Sc.	SZ(40)012916	20	...	34·84	...	...
D	Parkstone (Balmoral Road)	.. Miss M. M. Hall	SZ(40)041914	75	...	36·49	175	115
D	Branksome (Bourne Valley)	.. Southern Gas Board	SZ(40)060924	50	31·4	35·74	155	127
D	Bournemouth (Alderney Reservoir)	.. Bournemouth Water Co.	SZ(40)045950	228	31·5	37·69	163	127
D	Lyme Regis (Long Close)	.. Mrs. M. Stonehouse, for M.O.	SY(30)333923	350	...	39·34	171	138
D	Bridport (Island View)	.. Bridport Waterworks Co.	SY(30)475935	50	33·7	41·29	160	133
d	Bridport (Morcombelake)	.. L. G. Dibdin, Esq.	SY(30)407943	525	...	40·62	...	...
D	Morcombelake	.. Dr. C. R. Porter	SY(30)398948	300	...	44·13	216	149
d	Bloxworth Heath (Research Nursery)	.. Forestry Commission	SY(30)876928	80	...	38·63	...	...
D	Bere Regis (Doddings)	.. Bedford & Jesty, Ltd.	SY(30)851939	280	...	37·00	207	131
D	Puddletown Vicarage	.. Rev. Canon T. W. Page-Phillips	SY(30)759944	200	39·4	41·78	167	147
d	Lytchett Matravers (Kit Robins)	.. A. F. Waterman & Son, Ltd.	SY(30)938954	300	...	36·43	147	109

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
DORSET—(contd.)				ft.	in.	in.		
3.—FROME & C.—(contd.)								
D	Wynford House	Mrs. Aldridge	SY(30)575951	410	44.6	52.08	179	146
D	Beaminster (East Street)	W. A. Stilby, Esq.	ST(31)482011	183	40.1	42.63	176	144
D	Minterne	Capt. The Hon. Edwd. Digby	ST(31)659040	800	40.2	45.48	181	151
4.—STOUR. 384 sq. mi.								
D	Broadstone (Grange Road)	R. Nimmo, Esq.	SZ(40)004955	160	33.2	39.89	198	131
d	Corfe Mullen (The Plantation)	A. J. Russell, Esq.	SY(30)975962	300	34.5	38.02	...	...
D	Wimborne (Corfe Mullen W.W.)	Waterworks Engineer	SY(30)974982	81	33.8	36.82	160	126
D	Canford (Knighton Farm)	R. L. Harding, Esq.	SZ(40)050976	50	...	39.66	145	131
D	Wimborne (Little Canford)	Avon & Dorset River Board	SZ(40)048995	48	...	39.38	180	132
d	Wimborne (Stapehill)	C. J. Marchant, Esq.	SU(41)057001	95	32.8	37.24	...	124
D	Wimborne (Clevedon Lodge)	Dr. E. H. Markby	SU(41)014001	112	...	39.75	167	133
D	Wimborne (Ferndown)	H. Galton, Esq.	SZ(40)074008	75	32.8	37.57	183	127
D	Wimborne Walsford Bdge. Pump.Stn.)	Bournemouth Water Co. ..	SU(41)006009	70	33.4	37.08	164	129
	Blandford (East Street)	R. Biddulph, Esq.*	ST(31)887063	105	34.1	35.90	...	...
D	Blandford (King's Road)	D. Blanchard, Esq.	ST(31)891068	195	34.2	37.57	174	136
D	Blandford (Bryanston)	Miss A. M. Jaques	ST(31)872067	185	...	40.86	169	139
D	Glanvilles Wootton (Manor House) ..	Miss M. B. Debenham	ST(31)682085	250	35.3	39.48	190	136
D	Hazelbury Bryan	Major T. G. Woolley, T.D.	ST(31)737099	283	35.8	36.43	184	138
D	Holwell (Little Westrow)	Miss H. A. Warry	ST(31)699107	252	34.2	38.69	190	155
D	Sturminster Newton (Stock Gaylard)	Miss Blake	ST(31)721124	350	...	34.01	192	148
D	Childe-Okeford Manor	J. H. L. Glasbrook, Esq. ..	ST(31)839128	250	34.8	38.36	166	136
d	Stalbridge (Grove Cottage)	F. B. Harris, Esq.	SY(30)736177	330	...	(32.28)	(187)	(141)
D	Shaftesbury (St. Margaret's Marsh) ..	G. W. Payne, Esq.	ST(31)821190	184	28.7	33.66	161	129
D	Stour Provost (Diamond Farm)	Mrs. E. H. Trechmann	ST(31)793215	260	30.1	32.78	158	128
D	Fifehead Magdalen	Col. R. C. S. Hodgson** ..	ST(31)776213	220	...	33.10	177	138
D	SHAFTESBURY (Modern School)	Headmaster, for M.O.	ST(31)861228	680	32.9	38.50	181	149
D	Gillingham (Malt House)	Col. The Lord Basing	ST(31)815273	275	31.1	34.02	173	136
5.—EAST AVON. 12 sq. mi.								
SOUTH DEVONSHIRE. (Area, 1,707 sq. mi.)								
1.—PARRETT. 7 sq. mi.								
2.—TAMAR & C. 395 sq. mi.								
D	PLYMOUTH (MOUNT BATTEN) .. (+ A)	Meteorological Office	SX(20)492529	90	37.9	44.71	191	148
D	PLYMOUTH (THE HOE)	Medical Officer of Health ..	SX(20)478537	117	37.8	43.14	199	153
D	Plymouth (Drake's Reservoir)	N. G. Elliot, Esq., C.E. ..	SX(20)481551	149	38.5	44.52	193	150
D	Plymouth (Freedom Fields)	Medical Officer of Health ..	SX(20)488554	208	39.3	45.46	205	158
D	Plymouth (Hartley Reservoir)	N. G. Elliot, Esq., C.E. ..	SX(20)486569	321	43.1	48.44	196	157
D	Plympton (Little Woodford)	W. P. Cundy, Esq.	SX(20)531571	80	44.4	52.01	209	151
D	Bickleigh (Roborough Reservoir) ..	N. G. Elliott, Esq., C.E. ..	SX(20)504630	548	50.4	57.43	247	182
D	Lee Moor House	R. Martin, Esq.	SX(20)573628	900	61.4	69.92	216	178
D	Buckland Monachorum	T. W. J. Wright, Esq., B.Sc.	SX(20)480681	310	...	58.75	197	170

* Per Somerset River Board.

** Per Avon & Dorset River Board.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
SOUTH DEVONSHIRE—(contd.)				ft.	in.	in.		
2.—TAMAR & C.—(contd.)								
D	Sheepstor (Redstone)	N. G. Elliot, Esq., C.E. ..	SX(20)558682	760	62·6	72·10	241	192
D	Sheepstor (Burrator)	N. G. Elliot, Esq., C.E. ..	SX(20)553680	755	60·6	70·65	240	181
D	Sheepstor (Head Weir)	N. G. Elliot, Esq., C.E. ..	SC(20)553687	740	62·3	71·92	240	190
D	Dousland Reservoir	N. G. Elliot, Esq., C.E. ..	SX(20)539690	714	57·1	64·96	217	167
M	Dartmoor (Deancombe Farm)	N. G. Elliot, Esq., C.E. ..	SX(20)578687	807	65·8	76·68	...	...
D	Dartmoor (Lowery)	N. G. Elliot, Esq., C.E. ..	SX(20)557694	899	60·3	71·92	241	186
M	Dartmoor (Leather Tor Farm)	N. G. Elliot, Esq., C.E. ..	SX(20)566698	910	62·3	75·46	...	...
M	Dartmoor (Siward's Cross) ..	N. G. Elliot, Esq., C.E. ..	SX(20)595699	1074	72·0	87·29	...	...
d	Horrabridge (Dostabrook) ..	Mrs. M. F. Corbin ..	SX(20)511700	290	53·4	63·90	...	...
D	||TAVISTOCK	T. H. Harris, Esq. ..	SX(20)481746	457	...	57·34	210	166
M	Dartmoor (Double Waters) ..	N. G. Elliot, Esq., C.E. ..	SX(20)575723	1165	68·0	75·60	...	...
D	Dartmoor (North Hessary Tor)	N. G. Elliot, Esq., C.E. ..	SX(20)585735	1401	...	80·73	248	202
D	Coryton Manor	T. Newman, Esq. ..	SX(20)475848	450	52·1	55·48	207	166
D	Werrington Park	E. Stoneman, Esq. ..	SX(20)332872	320	43·7	51·29	221	177
D	Holsworthy (Pyworthy Rectory)	Rev. E. P. James ..	SS(21)310022	400	41·5	51·33	235	169
D	Holsworthy (Bodmeyric)	Miss A. D. Rogers ..	SS(21)343040	476	45·3	57·57	239	184
3.—ERM & C. 217 sq. mi.								
d	Kingsbridge (West Alvington Res.)	Engr., S. Devon Water Bd.	SX(20)727438	214	...	45·12	203	156
D	Yealmpton (Tor)	Miss M. Wimbush ..	SX(20)577512	100	43·8	51·80	193	152
d	Loddiswell (Hazelwood House)	Captain W. G. Peek ..	SX(20)727522	280	49·7	59·89	184	167
D	Wrangaton (Moorhaven Hospital)	Group Secretary ..	SX(20)666575	650	61·5	68·71	221	187
d	South Brent (Badworthy)	Miss D. B. Latham ..	SX(20)685617	550	73·7	78·15	204	182
D	South Brent (Didworthy Sanatorium)	Medical Superintendent ..	SX(20)686621	675	70·6	84·30	237	187
D	South Brent (Bala Brook) .. (+A)	Engr., S. Devon Water Bd.	SX(20)675627	760	83·6	88·82	230	186
4.—DART. 197 sq. mi.								
D	Dartmouth (Dean's Lodge)	P. F. Summers, Esq. ..	SX(20)880505	80	42·3	40·90	206	148
D	Dartmouth	Borough Engr. & Surveyor ..	SX(20)879515	9	41·7	41·12	205	153
D	Brixham	Pinchin Johnson Assoc. Ltd.	SX(20)926556	164	38·1	37·95	193	139
D	PAIGNTON (Victoria Park) .. (+A)	Town Clerk ..	SX(20)891608	12	38·7	37·39	185	145
D	Totnes (Bridgetown)	W. J. Toope, Esq. ..	SX(20)809603	45	47·9	48·66	178	148
D	TOTNES (Dartington Hall)	Dartington Hall Trust ..	SX(20)782619	100	47·1	49·95	202	157
D	Broadhempston (Sneydhurst) ..	H. S. Burbury, Esq. ..	SX(20)803661	200	...	44·69	226	154
D	Ashburton (West Street)	W. T. Hannaford, Esq. ..	SX(20)756695	236	54·9	56·35	216	157
D	Ashburton (Hele House)	Rev. M. H. Needham ..	SX(20)743703	350	51·8	55·06	200	171
D	*Ashburton (Place)	Mrs. E. Heron Varwell ..	SX(20)764712	400	53·3	54·81	191	163
D	Dartmoor (Fox Tor)	Water Eng'r, Paignton U.D.C.	SC(20)619706	1160	75·2	86·46	224	195
D	Dartmoor (Swincombe)	Water Eng'r, Paignton U.D.C.	SX(20)635718	1047	75·2	81·35	231	198
D	Ashburton (Leusden Vicarage)	Rev. J. W. Fox ..	SX(20)710732	870	...	60·57	204	165
D	PRINCETOWN (H.M. Prison) .. (+A)	Governor, for M.O. ..	SX(20)586741	1359	87·6	92·79	215	196
M	Princetown (Blackabrook Intake)	N. G. Elliot, Esq., C.E. ..	SX(20)587748	1293	78·0	90·42	...	...
W	Dartmoor (Cowsic Valley)	N. G. Elliot, Esq., C.E. ..	SX(20)595767	1323	81·2	88·40	...	...
M	Dartmoor (Beardown Hill)	N. G. Elliot, Esq., C.E. ..	SX(20)605767	1560	90·8	99·79	...	...
5.—TEIGN. 209 sq. mi.								
D	||Torquay (Higher Lincombe Road)	G. N. Carleton-Stiff, Esq. ..	SX(20)928634	260	...	33·79	192	138
D	TORQUAY (Abbey Park)	Borough Council ..	SX(20)909638	27	35·0	34·26	183	140
D	Torquay (Lydwell Court)	J. M. Hepburn, Esq. ..	SX(20)928646	410	36·4	35·45	194	141

|| Gauge over-exposed.

* Gauge over-sheltered.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days .04 in. or more
SOUTH DEVONSHIRE—(contd.)				ft.	in.	in.		
5.—TEIGN—(contd.)								
D	NEWTON ABBOT (Seale-Hayne College)	Principal	SX(20)828729	272	39.6	42.05	192	144
D	TEIGNMOUTH (Den Gardens)	G. F. Rossiter, Esq., B.Sc. ..	SX(20)941728	20	33.2	33.71	192	133
D	Teignmouth (Hazeldown Reservoir) ..	Engineer & Surveyor ..	SX(20)935745	425	36.3	34.79	187	138
D	Teignmouth (Landscape Reservoir) ..	Engineer & Surveyor ..	SX(20)938737	136	35.4	34.09	186	132
D	Kingsteignton (Firleigh Road)	M. B. B. Heath, Esq. ..	SX(20)871743	130	37.0	41.57	183	138
D	||Dawlish (Holcombe)	C. E. Butler, Esq.	SX(20)953751	200	37.5	36.91	195	142
D	Dawlish (Luscombe Castle)	Sir Peter Hoare, Bt.	SX(20)943768	175	40.2	39.93	197	162
D	||Dawlish (Beach House)	H. S. Marshall, Esq., O.B.E.	SX(20)970775	80	34.2	35.03	189	142
d	Bovey Tracey (Yarner Wood)	Nature Conservancy ..	SX(20)786792	400	52.0	54.48	...	...
D	Hennock (Hazelwood)	R. P. Kitson, Esq.	SX(20)830805	650	42.8	43.29	204	161
D	§Lustleigh (Tottiford)	Water Engineer, Torquay ..	SX(20)808824	790	46.2	48.88	217	164
M	§Chagford (Hurstons Ridge)	Water Engineer, Torquay ..	SX(20)668828	1350	71.4	80.82	...	...
M	Chagford (White Ridge)	Water Engineer, Torquay ..	SX(20)650824	1600	...	88.74	...	...
D	Christow (Kennick)	Water Engineer, Torquay ..	SX(20)808838	840	...	49.94	248	166
D	§Chagford (Metherall) new site ..	Water Engineer, Torquay ..	SX(20)672843	1155	...	76.26	241	195
M	§Chagford (Thornworthy Down) ..	Water Engineer, Torquay ..	SX(20)664846	1160	...	76.62	...	...
M	Christow (Smithacott)	Water Engineer, Torquay ..	SX(20)798848	850	45.7	51.27	...	...
D	Chagford (Thornworthy)	Miss W. H. Varwell	SX(20)670850	1150	70.4	76.80	237	193
D	Chagford (Teignworthy)	E. A. Courthope, Esq.	SX(20)676857	1000	65.2	66.62	243	197
D	Chagford (Yellam Cottage)	Cmdr. E. D. Marston, R.N.	SX(20)714870	680	...	53.20	211	173
D	Drewsteignton (Newton Barton) ..	C. A. St. George Moore, Esq.	SX(20)711921	700	37.3	37.23	207	153
6.—EXE. 445 sq. mi.								
D	§EXMOUTH (Salterton Road)	(+ A) Engineer, U.D.C.	SY(30)026819	195	33.3	33.81	174	134
D	Exmouth (Filters, Chapel Lane) ..	Engineer, U.D.C.	SY(30)027819	240	32.0	34.34	199	137
D	STARCROSS	Min. of Agric. & Fisheries ..	SX(20)972821	29	33.9	33.64	186	129
D	Kenton (The Vicarage)	Rev. K. E. Alexander	SX(20)957833	100	34.7	35.04	202	144
D	||Woodbury (Oakhayes)	E. S. Chattock, Esq.	SY(30)009873	200	33.5	34.99	188	137
D	Shillingford Rectory	Rev. C. L. O'Ferrall	SX(20)904878	200	36.3	40.57	220	149
D	Exminster (Trood House)	J. R. Ormiston, Esq.	SX(20)926886	75	35.3	40.62	207	156
D	Topsham (Newcourt Road)	P. Glanville, Esq.	SX(20)962893	52	...	34.12	201	136
D	Exeter (Timber Tops)	C. Holman, Esq.	SX(20)867914	535	35.7	38.33	186	138
D	Exeter (Heavitree)	W. N. Lavis, Esq.	SX(20)943920	112	32.3	33.85	202	143
d	Exeter (Devon and Exeter Institute) ..	Librarian	SX(20)922925	155	31.9	34.17	...	134
D	Clyst Honiton (EXETER Airport) (+ A)	Meteorological Office ..	SX(20)995937	106	33.5	31.77	180	132
D	Rockbeare Manor	Mrs. D. Griffith-Williams ..	SY(30)031939	180	...	35.73	160	131
	Newton St. Cyres	J. G. Quicke, Esq.	SX(20)879981	130	...	35.98	206	146
	Crediton (Haywards School)	C. Luxton, Esq.	SS(21)837001	190	33.1	37.95	...	...
D	Crediton (Okefield)	Seymour F. Pope, Esq. ..	SS(21)832006	325	33.3	35.09	217	157
D	Crediton (Shobrooke House)	Lady Shelley	SS(21)860010	360	...	37.02	216	155
D	Copplestone (Copplestone House) ..	Late Cmdr. W. Pope, R.N., D.S.O.	SS(21)771020	325	36.0	40.77	221	164
D	*Silverton (Parsonage Lane)	A. G. Smale, Esq.	SS(21)958032	300	33.2	39.31	195	167
D	Willand (Tiverton Junction)	I. M. Godfey, Esq.	ST(31)033113	245	...	39.56	211	150
D	Hemyock (Mountshayne)	B. G. Clist, Esq., B.Sc. ..	ST(31)139126	606	40.7	40.24	201	154
D	*Tiverton (Cowley Lodge)	E. G. Peirce, Esq.	SS(21)965132	250	36.7	41.86	182	148
D	*Cullompton (Uffculme)	F. C. Doidge, Esq.	ST(31)068129	320	34.5	35.32	196	146
D	UFFCULME (County Sec. School) ..	Headmaster	ST(31)064129	400	...	34.99	209	145
D	Culmstock (Woodgate Farm)	T. Langdon Hine, Esq. ..	ST(31)102152	550	35.2	33.64	202	149
d	Hemyock (Culm Davy House)	Capt. F. R. Elmes, J.P. ..	ST(31)124146	512	35.8	34.54	...	...
D	Morebath Manor	Major F. R. Rothwell ..	SS(21)958257	600	45.9	48.78	193	157

|| Gauge over-sheltered.

§ Turf wall round gauge.

* Site unorthodox.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
SOUTH DEVONSHIRE—(contd.)				ft.	in.	in.		
7.—AXE & C. 237 sq. mi.								
D	Budleigh Salterton .. ..	.. R. Jones-Bateman, Esq. ..	SY(30)043832	370	33·9	37·12	223	138
w	Budleigh Salterton (Squabmoor) ..	.. Engineer, Exmouth U.D.C.	SY(30)039839	267	33·6	38·40	...	...
D	Venn Ottery .. ..	.. W. H. L. Hurman, Esq. ..	SY(30)080914	200	...	37·92	197	149
w	East Budleigh (Yettington Intakes) ..	.. Engineer, Exmouth U.D.C.	SY(30)038858	300	34·1	40·37	...	...
D	SIDMOUTH .. ..	.. Borough Surveyor ..	SY(30)124873	25	30·9	34·36	162	143
D	Beer (Windyridge) .. ..	.. J. G. Sargent, Esq. ..	SY(30)225894	200	34·1	37·61	176	148
D	Beer (Set Fair) .. ..	.. C. K. M. Douglas, Esq. ..	SY(30)226892	170	...	37·93	196	144
D	Seaton (Marlpit Lane) .. ..	.. H. S. Stewart, Esq. ..	SY(30)240901	150	35·6	37·24	183	149
D	Rousdon (Charton Barn) .. ..	.. H. Paget, Esq. ..	SY(30)303909	530	..	41·67	187	141
D	Lyme Regis (Pinhay) .. ..	.. Major Ormsby Allhusen ..	SY(30)315913	450	35·8	41·60	191	144
D	Colyton (Colyford) .. ..	.. A. R. Forbes, Esq. ..	SY(30)244923	110	36·6	41·84	199	151
D	Ottery St. Mary (Broad Oak) .. ..	.. Miss Tallant ..	SY(30)071928	300	37·3	38·69	212	153
D	Ottery St. Mary (The King's School)	.. Headmaster ..	SY(30)088953	175	38·5	37·11	191	144
D	Seaton Junction .. ..	.. Express Dairy Co. Ltd. ..	SY(30)249965	114	37·9	41·22	161	135
D	Kilmington (Springfield) .. ..	.. Major J. M. Brierley, M.B.E.	SY(30)268987	220	...	44·30	197	146
D	Axminster (Gamberlake House) .. ..	.. Mrs. E. B. Bayley ..	SY(30)298983	120	39·6	42·65	173	143
D	Honiton (Copper Castle) .. ..	.. Devon River Board ..	ST(31)170003	520	...	47·83	191	164
D	Hawkchurch (Downings) .. ..	.. A. J. Hutchison, Esq. ..	ST(31)343004	290	38·7	41·82	171	140
D	Honiton (Feniton Court) .. ..	.. Brig. P. B. E. Acland ..	SY(30)109995	200	37·7	38·75	179	157
D	Honiton (Cotleigh House) .. ..	.. R. Williams, Esq. ..	ST(31)207022	540	43·9	43·66	173	143
D	Up-Ottery .. ..	.. Major P. L. Villar, M.C. ..	ST(31)208089	690	...	45·02	220	159
NORTH DEVONSHIRE. (Area, 898 sq. mi.)								
1.—NORTH COAST STREAMS. 77 sq. mi.								
	Longstone Barrow .. ..	.. C. H. Archer, Esq. ..	SS(21)708428	1550	72·9	76·68	...	...
D	Ilfracombe Reservoir .. ..	.. Urban District Council ..	SS(21)505453	395	48·5	51·59	194	174
D	ILFRACOMBE (Bowling Green) .. ..	.. Urban District Council ..	SS(21)520478	25	38·3	44·98	201	155
2.—TAW. 442 sq. mi.								
D	Bow (Rosehill) .. ..	.. Miss M. Pope ..	SS(21)726018	400	36·8	40·62	239	165
D	North Tawton .. ..	.. K. J. Young, Esq. ..	SS(21)672022	537	37·3	40·53	187	157
D	Morchard Bishop Rectory .. ..	.. Rev. H. J. A. Rusbridger ..	SS(21)768077	560	...	33·35	221	168
D	Chumleigh (Eggesford) .. ..	.. Devon River Board ..	SS(21)680118	210	...	40·27	195	145
D	South Molton (Central Park) .. ..	.. Devon River Board ..	SS(21)715255	430	...	49·00	206	167
D	East Anstey (Barton House) .. ..	.. Mrs. E. L. Hancock ..	SS(21)867266	760	49·6	56·53	204	180
D	Chittlehampton (Stowford House) ..	.. T. R. M. Cardus, Esq. ..	SS(21)633266	275	39·8	44·06	208	163
d	West Buckland School .. ..	.. W. F. Dale, Esq. ..	SS(21)667314	650	45·9	49·10	209	166
d	Gunn (Grove Cottage) .. ..	.. C. H. Archer, Esq. ..	SS(21)633334	700	...	49·81	...	...
D	CHIVENOR Airfield	(+ A) Meteorological Office ..	SS(21)494347	20	35·9	39·87	201	151
D	Goodleigh Rectory .. ..	.. Rev. R. Y. Holmes ..	SS(21)603341	371	...	47·31	214	163
D	Braunton (Knowle) .. ..	.. Miss A. C. Dowden ..	SS(21)493385	150	...	45·35	221	163
d	Challacombe (Chase Terrace) .. ..	.. N. Devon Water Board ..	SS(21)689410	904	65·4	66·85	...	...
w	Wistlandpound Reservoir .. ..	.. N. Devon Water Board ..	SS(21)642416	825	...	65·92	...	...
3.—TORRIDGE. 342 sq. mi.								
D	Okehampton (Waterworks) .. ..	.. Borough Engineer ..	SX(20)587938	860	54·5	58·33	224	188
D	Beaworthy (Shebbear College) .. ..	.. E. F. Foss, Esq. ..	SS(21)447094	540	47·9	53·50	217	176

|| Gauge over-sheltered.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958		
				National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
NORTH DEVONSHIRE—(contd.)					ft.	in.	in.		
3.—TORRIDGE—(contd.)									
D	Winkleigh (Places)	.. ..	R. A. B. Coad, Esq.	SS(21)619085	500	37.3	41.38	196	160
D	Beaford (Great Warham)	.. ..	Lt.-Cdr. J. K. Elliot, R.N.	SS(21)531146	280	...	44.23	227	161
D	Beaford (Rectory)	.. ..	Devon River Board	SS(21)551154	420	...	43.31	199	158
D	Torrington (Caynton House)	.. ..	C. T. Davenport, Esq., M.A.	SS(21)497191	278	40.6	40.05	208	170
D	Torrington (Torridge Vale S.W.)	.. ..	E. C. Bangham, Esq.	SS(21)482191	54	...	40.27	200	156
D	Bideford (Jennett's Reservoir)	.. ..	Borough Surveyor	SS(21)445246	62	38.2	40.97	205	158
D	Bideford (Gammaton Reservoir)	.. ..	Borough Surveyor	SS(21)483253	350	36.7	40.14	200	154
d	Bideford (Woodtown)	.. ..	Late C. J. Twist, Esq.	SS(21)491260	283	...	43.61	...	...
D	Northam (Windmill Lane)	.. ..	Late S. Welsford Pain, Esq.	SS(21)454291	200	36.4	39.03	212	167
d	Westward Ho! (Royal Golf Club)	.. ..	Steward	SS(21)443297	10	39.2	42.05	208	167
4.—WEST COAST STREAMS. 32 sq. mi.									
D	Hartland (Fosfelle)	.. ..	Mrs. L. J. Chadder	SS(21)264237	480	45.5	51.71	234	176
D	Clovelly Court	.. ..	Clovelly Estate Co. Ltd.	SS(21)310250	300	51.8	56.52	205	176
5.—EXE. 5 sq. mi.									
	Kinsford Gate (Span Head)	.. ..	C. H. Archer, Esq.	SS(21)735367	1590	77.7	81.18	...	...
CORNWALL. (Area, 1,363 sq. mi.)									
1.—CAMEL & N.W. COAST STREAMS. 458 sq. mi.									
D	Crowan (Boswyn Reservoir)	.. ..	Camborne Water Company	SW(10)660362	511	...	57.26	244	189
D	Hayle (St. Erth)	.. ..	St. Erth Creamery	SW(10)543359	50	39.7	51.85	226	174
D	St. Ives (Halsetown Vicarage)	.. ..	Rev. T. C. F. Barfett	SW(10)508401	324	42.5	49.29	234	178
D	St. Ives (Bussow Moor)	.. ..	Borough Surveyor	SW(10)502392	390	...	55.56	242	162
D	CAMBORNE (Rosewarne)	.. ..	Rosewarne Exp. Hort. Stn.	SW(10)643412	250	38.1	45.38	225	172
d	St. Agnes (Church Town)	.. ..	Dr. Henry Whitworth	SW(10)721504	318	39.3	44.79	...	...
D	NEWQUAY (Mount Wise)	.. ..	Urban District Council	SW(10)812614	176	34.2	44.84	216	163
D	ST. MAWGAN Airfield	.. .. (+ A)	Meteorological Office	SW(10)871642	337	...	49.73	215	167
D	Bodmin (Castle Hill House)	.. ..	Major Hare	SX(20)077674	484	48.9	61.32	232	185
D	Blisland (C.P. School)	.. ..	Headmaster	SX(20)107729	350	...	62.22	228	173
D	Wadebridge (Trevanson)	.. ..	Brigadier R. M. Jerram, D.S.O., M.C.	SW(10)978729	100	40.7	54.05	253	173
D	Constantine Bay	.. ..	C. Paris Jones, Esq.	SW(10)867745	102	...	44.65	216	167
D	Padstow (The Nook)	.. ..	J. W. V. Sheldon, Esq.	SW(10)914755	110	37.3	43.98	217	165
D	Padstow (Barry's Lane)	.. ..	B. W. Kinsmen, Esq.	SW(10)917755	25	...	45.93	214	168
d	Trevone (Pentonwarra)	.. ..	W. M. Lindley, Esq.	SW(10)890759	25	32.8	41.16	213	154
D	Trebetherick (Pendalen)	.. ..	A. Griffiths, Esq.	SW(10)938773	150	36.3	46.17	231	173
D	St. Breward (De Lank)	.. ..	Wadebridge R.D.C.	SX(20)137768	725	...	70.20	248	193
D	Camelford (Stannon Clay Works)	.. ..	English China Clays, Ltd.	SX(20)128809	850	59.3	74.57	259	199
D	Camelford (Advent)	.. ..	W. O. Martyn, Esq.	SX(20)127830	890	60.1	73.42	248	196
D	Camelford (Roughtor View)	.. ..	D. W. Bogle, Esq., for M.O.	SX(20)105833	700	58.6	69.02	263	195
D	Delabole	.. ..	Delabole Slate Co. Ltd.	SX(20)075835	650	45.8	57.09	229	172
D	Bossiney	.. ..	Mrs. W. Stephens	SX(20)065889	290	39.6	50.07	216	174
D	BUDE (School House)	.. ..	Urban District Council	SS(21)208063	50	34.2	43.04	212	153

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
CORNWALL—(contd.)				ft.	in.	in.		
2.—FOWEY & S.E. COAST STREAMS. 620 sq. mi.								
D	THE LIZARD (Coastguard Station)	.. Station Officer, for M.O.	SW(10)701119	240	33.0	42.25	214	159
D	Ruan Minor (Poltesco)	.. A. A. Ironside, Esq.	SW(10)723158	120	38.8	48.22	215	170
D	Porthcurno	.. Cable & Wireless, Ltd.	SW(10)385227	180	33.9	44.50	190	166
D	Culdrose (R.N. Air Station)	.. Naval Weather Service	SW(10)669264	268	34.2	43.56	202	162
	Mawnan Smith	.. Brig.-Gen. H. D. Croft*	SW(10)787275	205	42.5	48.28	...	...
D	Falmouth (Constantine)	.. P. Harrison, Esq.	SW(10)746291	310	...	57.32	228	169
D	Wendron (Bolderwennack)	.. Helston & Portleven W. Co.	SW(10)678307	458	44.8	55.08	222	175
d	Penzance (Trewidden)	.. Mrs. C. Williams	SW(10)443296	275	44.8	59.10	...	...
D	St. Michael's Mount	.. Lord St. Levan	SW(10)516300	16	33.9	45.29	197	155
D	PENZANCE (Penlee Gardens)	.. Town Clerk	SW(10)473300	62	41.5	53.23	229	172
D	Penzance (Tregwainton House)	.. Col. Sir E. H. W. Bolitho, C.B.	SW(10)445313	370	45.5	58.16	224	181
D	GULVAL	.. Sutton & Sons	SW(10)486317	20	39.6	51.79	221	171
D	FALMOUTH	.. Town Clerk	SW(10)802325	167	43.3	53.49	223	174
D	Penryn Reservoirs	.. Falmouth Corp'n. W.W.	SW(10)777337	236	45.0	53.25	227	176
D	St. Mawes (Lawn Bank)	.. C. Whiley, Esq.	SW(10)854330	100	38.3	44.48	199	159
D	Gwennap (Trevince)	.. C. H. Beauchamp, Esq.	SW(10)737403	240	47.7	58.10	234	177
D	Portmellon	.. Major H. Barter	SX(20)018437	120	...	45.58	206	165
D	Truro W.W. (Lower Tregurrow)	.. Manager	SW(10)847464	59	44.6	51.57	222	172
D	Ladock (Pumping Station)	.. W. C. J. Truscott, Esq.	SW(10)891511	98	42.6	51.91	233	178
D	St. Stephen (Hendra Pumping Stn.)	.. St. Austell R.D.C.	SW(10)966518	234	48.1	58.77	249	192
D	ST. AUSTELL (Poltair Public Gardens)	.. Engineer & Surveyor	SX(20)018525	312	49.5	61.82	238	192
D	St. Austell (Trethurgy)	.. Lantern China Clay Co. Ltd.	SX(20)042553	450	53.5	70.89	257	200
d	Lerryn (Fore Street)	.. G. Barrett, Esq.	SX(20)142573	40	44.4	53.12	...	...
d	Looe (Polteana)	.. W. C. Crowther, Esq., M.A.	SX(20)232555	60	...	56.84	251	173
D	Liskeard (Penmilder)	.. Miss W. P. Foster	SX(20)242636	250	49.3	62.64	241	188
D	Liskeard (Treventon)	.. E. R. Foster, Esq.	SX(20)262656	360	...	61.50	231	180
d	Liskeard (Minions)	.. Dr. P. J. Fox	SX(20)261711	990	...	75.34	258	194
3.—TAMAR & C. 279 sq. mi.								
D	§St. Mellion (ELLBRIDGE Exp. Stn.)	.. Horticultural Superintendent	SX(20)401632	190	...	50.22	213	159
D	St. Mellion (Pentillie Castle)	.. Capt. J. G. Coryton	SX(20)410645	150	...	56.35	238	164
D	Pensilva	.. R. H. Hunkin, Esq.	SX(20)291697	700	...	67.84	219	187
D	Launceston (Bastreet, North Hill)	.. S.E. Cornwall River Board	SX(20)248768	800	...	71.40	235	184
D	Launceston (Landue)	.. Miss S. E. Tregoning	SX(20)351797	225	44.5	49.54	216	171
d	Launceston (Western Road)	.. Cornwall River Board	SX(20)327839	430	...	50.85	...	...
d	Boyton (Ditchen)	.. G. H. D. Heath, Esq.	SX(20)309947	455	43.1	52.41	...	162
	Egloskerry (Tregeare)	.. Miss D. M. B. Lethbridge*	SX(20)243864	513	48.6	62.19	...	...
D	||North Tamerton (Davies)	.. W. S. Bray, Esq.	SX(20)314982	390	43.9	44.16	220	169
4.—INSULAR. Isles of Scilly. 6 sq. mi.								
D	||ST. MARY'S (Coastguard Station)	.. Station Officer, for M.O.	SV(00)913120	158	32.7	40.53	238	171
D	Tresco Abbey	.. Lt.-Cdr. T. M. Dorrien Smith	SV(00)896143	40	33.8	39.48	262	180
M	Tresco (Rowesfield)	.. Lt.-Cdr. T. M. Dorrien Smith	SV(00)891143	40	32.5	40.01	...	...
SOMERSET. (Area, 1,624 sq. mi.)								
1.—LOWER AVON. 294 sq. mi.								
	Witham Friary Vicarage	.. Rev. H. G. Bawtree-Williams**	ST(31)746415	350	...	36.93	...	...
	Wanstrow (Riverside House)	.. A. Febrey, Esq.**	ST(31)714418	445	40.3	40.48	...	...

§ Turf wall round gauge.

* Per Cornwall Rainfall Association.

** Per Somerset River Board.

|| Gauge over-sheltered.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958		
				National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
SOMERSET—(contd.)					ft.	in.	in.		
1.—LOWER AVON—(contd.)									
D	Shepton Mallet (Pondsmead) ..	..	Lady Hobhouse ..	ST(31)636472	710	45.0	45.32	211	164
D	Frome Waterworks (Egford) ..	..	B. H. Parkes, Esq. ..	ST(31)756480	270	37.2	38.71	171	141
D	Radstock (Ammerdown House) ..	..	Mr. L. Sweeting ..	ST(31)713526	450	42.6	46.88	187	152
D	Chewton Mendip (The Priory) ..	..	The Earl of Waldegrave ..	ST(31)590525	580	44.9	47.19	184	150
w	East Harptree (Pitt Farm) ..	..	R. W. M. Melvin, Esq. ..	ST(31)561544	705	49.9	51.90	...	...
D	Litton (Sherborne Reservoir) ..	(+ A)	R. W. M. Melvin, Esq. ..	ST(31)592550	336	43.5	41.14	186	146
w	Harptree Hill ..	..	R. W. M. Melvin, Esq. ..	ST(31)543559	784	45.6	51.57	...	...
d	East Harptree (Coley) ..	..	A. J. Wookey, Esq. ..	ST(31)581566	260	...	44.69	151	142
D	East Harptree (Townsend Pump. Stn.)	..	Water Eng'r, Clutton R.D.C.	ST(31)572567	220	42.5	43.63	181	138
D	Hinton Blewett Manor ..	..	H. S. Russell, Esq. ..	ST(31)594570	500	41.4	43.08	198	144
w	North Widcombe ..	..	R. W. M. Melvin, Esq. ..	ST(31)580577	215	37.7	42.06	...	...
w	Chew Stoke (Heron's Green) ..	..	R. W. M. Melvin, Esq. ..	ST(31)557591	179	38.0	41.74	...	...
w	Clutton Reservoir ..	..	Bath Corporation W.W. ..	ST(31)615602	600	...	40.82	...	...
D	Midford (Tucking Mill Pumping Stn.)	..	Bath Corporation W.W. ..	ST(31)763616	135	33.9	36.04	193	137
D	Chew Stoke (Pumping Station)†	..	R. W. M. Melvin, Esq. ..	ST(31)570619	202	37.7	38.21	187	149
w	Ridgehill ..	..	R. W. M. Melvin, Esq. ..	ST(31)540625	400	38.6	38.18	...	...
w	Chew Magna (Norton) ..	..	R. W. M. Melvin, Esq. ..	ST(31)578657	342	37.6	38.81	...	...
D	BATH (Henrietta Park) ..	..	Medical Officer of Health ..	ST(31)754653	67	30.9	35.75	206	141
D	Bath (Southstoke Road) ..	..	P. Hambleton, Esq. ..	ST(31)748615	525	33.5	37.35	204	144
D	Bath (Monkton Combe) ..	..	W. G. Lock, Esq. ..	ST(31)769620	450	33.0	31.85	213	136
D	BATH (City Boys School) ..	..	Medical Officer of Health ..	ST(31)751638	388	...	35.97	178	144
D	Bath (Charlcombe) ..	..	Bath Corporation W.W. ..	ST(31)750668	288	32.7	35.67	175	137
w	Felton (Upper Town) ..	..	R. W. M. Melvin, Esq. ..	ST(31)525660	550	39.2	41.81	...	...
D	Batheaston Reservoir ..	..	Bath Corporation W.W. ..	ST(31)769685	248	32.3	35.59	183	144
d	||Keynsham (Wellsway) ..	..	A. E. Stephens, Esq. ..	ST(31)658674	134	...	32.21	170	131
D	||Keynsham (Somerdale) ..	..	J. S. Fry & Sons, Ltd. ..	ST(31)656696	58	30.3	31.84	183	136
D	Barrow Gurney Reservoir ..	..	R. W. M. Melvin, Esq. ..	ST(31)537679	300	37.0	35.83	194	142
w	Lansdown ..	..	Bath Corporation W.W. ..	ST(31)733692	380	34.3	36.90	...	...
D	Long Ashton (School House) ..	..	J. B. Randell, Esq. ..	ST(31)547706	161	37.1	38.49	193	144
D	LONG ASHTON (Research Station)	..	Director ..	ST(31)533698	162	36.2	36.63	198	138
D	Failand House ..	..	Paul Robinson, Esq. ..	ST(31)516734	380	38.1	39.10	178	147
2.—YEO, AXE & BRUE. 405 sq. mi.									
d	Bruton (South Brewham) ..	..	G. E. May, Esq. ..	ST(31)728358	350	36.2	40.25	183	130
D	Street (Low Level Reservoir) ..	..	Surveyor, U.D.C. ..	ST(31)488363	100	...	26.57	156	126
D	Leigholt ..	..	Bancroft Clark, Esq. ..	ST(31)488353	186	...	29.15	163	130
D	Street (Hindhayes) ..	..	Bancroft Clark, Esq. ..	ST(31)485366	78	...	28.61	179	126
d	Street (Sewage Farm) ..	..	Surveyor, U.D.C. ..	ST(31)481373	18	29.5	29.48	155	129
D	Street (Millfield) ..	..	Bancroft Clark, Esq. ..	ST(31)492363	100	30.1	31.24	179	136
D	Ashcott (Bradley Cottage) ..	..	G. Thomson, Esq. ..	ST(31)439366	114	28.4	29.15	188	129
w	Sharpham (Turffmoor) ..	..	F. R. Underwood, Esq. ..	ST(31)471379	15	...	30.79	...	...
	Cossington ..	..	R. M. Williams, Esq. ..	ST(31)358402	106	...	30.16	...	...
	Glastonbury (Hartlake Farm)	..	P. S. Smith, Esq.* ..	ST(31)513412	25	...	32.05	...	...
d	Bridgwater (Puriton) ..	..	R. Evis, Esq.* ..	ST(31)322416	50	...	31.57	158	130
§	Cossington (Gold Corner) ..	..	Somerset River Board ..	ST(31)367431	12	...	29.88	...	...
D	Shepton Mallet (Charlton) ..	..	Late C. E. Burnell, Esq., J.P.	ST(31)630433	481	39.7	34.28	202	134
D	Highbridge (Bason Bridge) ..	..	Wilts United Dairies, Ltd. ..	ST(31)348458	17	30.1	36.68	172	132
d	Highbridge (Mark) ..	..	R. J. Tewkesbury, Esq.* ..	ST(31)350481	19	31.3	33.43	153	127
	Wells (Chamberlain St.) ..	..	Wells City Council* ..	ST(31)535452	75	...	34.92	165	144
D	Wookey Hole (Elm Batch) ..	..	W. Speed, Esq. ..	ST(31)532478	238	38.4	38.40	183	152

† Formerly called Chew Stoke (Walley Court).

|| Gauge over-sheltered.

§ Gauge over-exposed.

* Per Somerset River Board.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
SOMERSET—(contd.)				ft.	in.	in.		
2.—YEO, AXE & BRUE—(contd.)								
D	Burnham	Surveyor, U.D.C.	ST(31)306494	24	29.9	34.69	175	126
	Brent Knoll (Station Road)	J. B. Morris, Esq.*	ST(31)327515	15	...	33.16	...	...
D	Cheddar (Pumping Station)	R. W. M. Melvin, Esq.	ST(31)452534	50	36.3	37.52	185	142
W	Charterhouse	R. W. M. Melvin, Esq.	ST(31)490551	619	44.1	47.43	...	...
d	Cheddar (Shipham Hill)	Callow Rock Lime Co. Ltd.	ST(31)447560	540	...	42.69	...	...
	Bleadon	H. Leeming, Esq.	ST(31)340564	25	31.7	31.57	...	...
D	Winscombe (Mendip View)	C. Gibbins, Esq.	ST(31)415573	100	36.6	37.74	191	151
M	Winscombe (Bore Hole)	Surveyor, Burnham U.D.C.	ST(31)407577	56	36.1	37.95	...	...
d	Winscombe (Sidcot School)	Headmaster	ST(31)430582	230	36.9	(34.67)	...	(130)
D	Winscombe (Wintrath)	D. B. Grubb, Esq.	ST(31)435577	290	37.5	38.75	178	141
	Blagdon Hill	H. G. Bruton, Esq.	ST(31)498587	550	43.2	45.17	...	...
	Hutton (The Orchard House)	W. L. Roseveare, Esq.*	ST(31)351577	50	...	32.64	...	...
D	Blagdon (Pumping Station)	R. W. M. Melvin, Esq.	ST(31)504604	112	38.7	40.74	168	138
D	WESTON-SUPER-MARE (Clarence Park)	Medical Officer of Health	ST(31)318602	28	32.4	31.86	175	131
d	Wrington (Barley Wood)	Capt. D. M. Mills, C.B.E.	ST(31)479629	200	36.7	38.57	...	128
	Wick St. Lawrence	Late D. J. W. Hiscocks, Esq.*	ST(31)652365	17	...	33.32	...	...
D	Yatton (Pumping Station)	Long Ashton R.D.C.	ST(31)422659	17	34.5	35.32	188	137
D	Yatton (Chelvey)	R. W. M. Melvin, Esq.	ST(31)473679	60	35.1	34.27	189	141
	Congresbury	P. H. Hoy, Esq.*	ST(31)438632	36	...	34.03	...	...
D	West Town	Late Theod. Robinson, Esq.	ST(31)481680	80	36.2	35.68	190	144
D	Clevedon (Tickenham Road P.S.)	R. W. M. Melvin, Esq.	ST(31)425715	50	32.7	37.31	198	149
D	Wraxall Court	Head Gardener	ST(31)489721	200	34.8	37.48	196	146
D	Walton-in-Gordano	Lt.-Col. Sir Chas. Miles, Bt.	ST(31)422733	80	33.6	36.31	210	143
D	Portishead (Bristol Road)	R. W. M. Melvin, Esq.	ST(31)472755	20	...	37.13	199	149
d	Portishead (Redcliffe Bay)	R. A. S. Heaven, Esq.	ST(31)441758	180	34.4	39.59	177	149
3.—PARRETT. 568 sq. mi.								
D	Misterton (Henley)	Imperial Chem. Indus., Ltd.*	ST(31)440076	475	...	39.20	185	144
D	Misterton	Miss M. D. Bindley	ST(31)458083	300	34.0	39.70	169	140
d	Crewkerne (Lyne Road)	Dr. F. J. Woodley	ST(31)438089	400	...	41.59	193	138
D	Crewkerne (The Reservoir)	Surveyor	ST(31)437086	425	34.7	39.81	176	144
D	Crewkerne (Bincombe House)	Major R. A. Russell, T.D.	ST(31)436108	293	...	35.72	184	138
D	Sutton Bingham Reservoir	Yeovil R.D.C.	ST(31)556114	182	32.2	35.21	184	134
D	Yeovil (Reckleford Junior School)	Headmaster	ST(31)560162	150	...	37.76	159	131
D	Yeovil (Pen Mill Sewage Works)	Borough Surveyor	ST(31)572162	100	32.7	34.56	167	132
D	Norton-sub-Hamdon (Fruit Farm)	Lt.-Cmdr. W. E. Halsey	ST(31)467177	126	27.5	31.33	177	126
D	Angersleigh (Leigh Reservoir)	Taunton Waterworks	ST(31)197176	530	40.1	38.63	189	144
	Compton Durville (Waterworks)	Langport R.D.C.*	ST(31)417171	60	...	31.75	...	...
D	BICKENHALL	(+ A) A. H. Turner, Esq.	ST(31)292180	231	...	37.73	205	135
d	Ilminster (Ashwell)	W. F. Hosegood, Esq.*	ST(31)363158	100	...	31.36	...	...
d	Sampford Arundel (Rose Cottage)	Mrs. S. G. Williams	ST(31)112180	420	...	38.08	205	159
D	Ashbrittle (Kyrle)	Major J. H. Mathias	ST(31)051220	525	39.8	38.30	216	152
d	Martock (The Paddock)	G. E. Barron, Esq.	ST(31)462190	60	...	31.23	175	130
D	Taunton (Vivary Park)	Medical Officer of Health	ST(31)228238	71	29.3	27.93	189	126
	Queen Camel (England's Side)	Mrs. V. M. Brendon*	ST(31)594248	100	29.5	31.48	...	...
d	Taunton (St. George's Rectory)	Canon R. A. Iles	ST(31)223244	90	30.0	28.61	...	...
	Milverton (Olands Cottage)	Miss E. R. Broadmead	ST(31)117254	330	...	34.02	...	...
	Langport (Drayton)	E. Dabinett, Esq.*	ST(31)407237	46	28.4	30.68	...	...
D	Milverton (Rivers Farm)	A. Wimbush, Esq.	ST(31)109269	300	...	34.02	205	138
d	Wivelscombe (Ford)	A. W. Sanders, Esq.*	ST(31)093289	350	...	38.79	...	...
D	Langport (Sandpits Hill)	Miss V. M. Page	ST(31)402260	150	...	30.96	180	129

* Per Somerset River Board.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
SOMERSET—(contd.)				ft.	in.	in.		
3.—PARRETT—(contd.)								
D	West Monkton (Ruscombe)	F. Curry, Esq.	ST(31)256285	250	...	29.15	195	132
D	North Cadbury	H. R. Watson, Esq.	ST(31)635272	240	34.5	37.67	196	150
D	Somerton (Erleigh)	A. R. E. Pretor-Pinney, Esq.	ST(31)501285	106	28.2	31.97	159	129
	Somerton Court	Col. E. A. Bray*	ST(31)497283	60	...	31.27	...	...
D	Langport (Low Ham)	N. G. Hardisty, Esq.*	ST(31)435297	67	...	30.52	173	132
D	Wiveliscombe (Bulland Lodge)	Air V.-M. A. J. Capel, C.B.	ST(31)054274	790	44.6	48.05	220	173
D	Kingston St. Mary (Hillside)	Lt.-Col. W. H. F. Routh*	ST(31)221300	330	...	29.03	181	129
	Kingston St. Mary (Yarford Orchards)	Lt.-Cdr. R. D. Baird, R.N.R.	ST(31)201298	200	...	31.97	...	...
D	Bishop's Lydeard (Watts House)	Estate Agent	ST(31)163305	320	...	29.41	174	133
	Babcary (The Cedars)	D. R. May, Esq.*	ST(31)573288	150	...	29.52	...	...
	West Sedgemoor (Pumping Station)	Somerset River Board	ST(31)376286	25	...	26.74	...	...
	Athelney (Currymore Pumping Stn.)	Somerset River Board	ST(31)344288	20	...	28.16	...	...
	Taunton (East Lyng)	J. T. Ames, Esq.	ST(31)335289	43	...	27.46	...	...
	Durston (West Newton Farm)	C. J. Hill, Esq.*	ST(31)287291	130	...	28.14	...	...
D	§Clatworthy (Whites Farm)	Taunton Waterworks	ST(31)057309	823	47.6	50.74	200	166
M	§Clatworthy (Sedgeborough Farm)	Taunton Waterworks	ST(31)052339	1079	...	47.50	...	...
	Castle Cary	W. Davis, Esq.*	ST(31)641320	290	32.9	34.23	...	...
D	Bagborough (Littlecourt)	Lt.-Gen. Sir Ed. Wetherall*	ST(31)177335	455	35.4	32.67	194	135
	Bridgwater (Northmoor P.S.)	(+A) Somerset River Board	ST(31)331330	23	28.0	26.80	...	...
D	Bridgwater (Durleigh)	R. A. Watson, Esq.	ST(31)274363	46	31.1	32.04	178	128
D	Bridgwater (Blake Gardens)	R. A. Watson, Esq.	ST(31)300368	27	30.8	30.76	...	129
D	Spaxton (Barnlands)	W. Cadwallader, Esq.*	ST(31)224368	237	...	34.26	192	132
	Bridgwater (Wembdon Hill)	Mrs. M. L. Colthurst*	ST(31)280378	110	...	28.34	...	...
d	Bridgwater (Blacklands Street)	N. S. Bailey, Esq.	ST(31)295373	18	30.7	29.63	193	123
D	Bridgwater (Wembdon)	E. L. Kelting, Esq., O.B.E.	ST(31)284377	47	29.6	29.56	191	128
D	Over Stowey (Plainsfield)	Lord St. Audries	ST(31)195366	400	...	30.68	197	134
D	Spaxton (Radlet Common)	H. R. Bartable, Esq.*	ST(31)209379	220	...	32.02	183	125
	Crowcombe (Quantock Farm)	M. A. Bucknall, Esq.*	ST(31)159370	1000	37.7	38.70	...	...
D	Over Stowey (Quantock Sanatorium)	Medical Superintendent	ST(31)188375	430	40.3	39.36	174	144
D	Cannington (Ashford Waterworks)	R. A. Watson, Esq.	ST(31)237385	102	30.9	30.78	172	127
D	Over Stowey	H. L. Butt, Esq.	ST(31)178383	550	39.3	38.11	213	145
D	Nether Stowey (Oakford House)	Ian Vaile, Esq.	ST(31)188397	250	...	32.79	172	135
D	CANNINGTON (Somerset Farm Inst.)	Principal	ST(31)258400	95	29.9	30.49	181	125
	Pawlett (Gaunts Farm)	T. H. Berry, Esq.*	ST(31)287428	32	...	30.54	...	...
4.—NORTH COAST STREAMS. 158 sq. mi.								
D	Treborough (Sminhayes Farm)	Late Major R. A. Archer, for M.O.	ST(31)013350	1150	...	53.78	204	170
	Lype Hill	Late Major R. A. Archer, for M.O.	SS(21)954367	1320	58.7	55.73	...	...
d	Luxborough	C. H. Archer, Esq., for M.O.	SS(21)973380	750	...	(48.38)	...	...
	Timberscombe (Croydon Hill)	Late Major R. A. Archer, for M.O.	SS(21)984393	1175	48.5	47.21	...	...
D	Timberscombe (Great House)	Late Major R. A. Archer, for M.O.	SS(21)956420	260	...	39.90	212	147
D	Washford (Torre)	C. H. Archer, Esq., for M.O.	ST(31)046400	142	...	35.90	199	130
D	Bicknoller (Weacombe House)	W. T. Greswell, Esq.	ST(31)109416	300	32.9	32.23	161	124
D	Sampford Brett	G. B. Synge, Esq.*	ST(31)089402	180	...	31.58	188	118
	Quantock Hills (Round Hill)	Lord St. Audries	ST(31)126414	900	...	38.62	...	...
D	Dodington	W. Stone, Esq.	ST(31)173407	330	37.7	35.41	189	134
w	Holford	E. L. Kelting, Esq., O.B.E.	ST(31)156418	350	34.2	33.20	...	...

* Per Somerset River Board.

§ Turf wall round gauge.

DIVISION V—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
		National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
SOMERSET—(contd.)			ft.	in.	in.		
4.—NORTH COAST STREAMS—(contd.)							
D Kilve Court .. .. .	.. Mrs. Cooke-Hurle	ST(31)148427	150	33·4	33·38	161	134
D East Quantoxhead (The Rectory) ..	.. Mrs. F. L. Aldridge	ST(31)138433	130	33·6	34·25	...	...
D Stogursey (Fairfield House) .. ..	.. Lord St. Audries	ST(31)186429	150	32·3	32·88	203	124
Goosemoor (West Dunkery) .. ..	.. C. H. Archer, Esq., for M.O.	SS(21)880418	1581	71·4	72·75	...	...
§Dunkery Beacon .. ..	.. C. H. Archer, Esq., for M.O.	SS(21)892416	1650	69·2	69·86	...	...
Chains Barrow .. ..	.. C. H. Archer, Esq., for M.O.	SS(21)735420	1587	78·6	81·60	...	...
w Porlock (Nutscale Reservoir) ..	.. Eng'r & Surveyor, Minehead	SS(21)857428	1000	...	58·58	...	...
D Dunster Castle Gardens .. ..	.. Mr. C. Heritage	SS(21)993434	100	35·0	33·07	188	143
D Dunster (County School) .. ..	.. J. H. Powles, Esq.	SS(21)989437	160	35·1	33·50	189	138
d Porlock (Hacketty Way) .. ..	.. Late H. K. Reeves, Esq. ..	SS(21)893467	200	...	41·86	...	131
D Stolford (Whitewick Farm) .. ..	.. Mrs. M. R. Lang	ST(31)236453	10	31·1	31·00	206	129
D Minehead (Blenheim Gardens) (+A)	Engineer & Surveyor	SS(21)971464	37	33·4	33·34	196	139
d Porlock Weir .. ..	.. E. Percival, Esq.	SS(21)864489	60	43·8	41·94	...	...
5.—EXE. 122 sq. mi.							
D Westcombe .. ..	.. R. B. A. Hankey, Esq.* ..	ST(31)202162	750	...	42·61	216	151
D East Anstey (Dassels) .. ..	.. Major F. R. Farquhar	SS(21)875266	850	53·3	55·97	228	174
D Dulverton (The Cottage) .. ..	.. Miss B. K. Abbott	SS(21)925279	450	52·9	55·13	222	172
D Dulverton (Council Offices) .. ..	.. Devon River Board	SS(21)912280	440	...	55·17	219	166
D HAWKRIDGE (LISCOMBE) .. ..	.. Farm Director	SS(21)877327	1030	...	61·83	204	177
D Winsford .. ..	.. Capt. R. S. Le Bas	SS(21)905345	620	53·2	54·30	221	171
Kinsford Gate (Quarry) .. ..	.. C. H. Archer, Esq., for M.O.	SS(21)745365	1500	79·9	83·12	...	...
d Exford (Lower Thorne) .. ..	.. Miss C. Reed	SS(21)843384	1000	63·0	66·78	242	187
D Simonsbath (Honeymead) .. ..	.. Sir Bernard Waley-Cohen ..	SS(21)796381	1250	63·8	67·00	238	183
d Pinkworthy Farm .. ..	.. C. H. Archer, Esq., for M.O.	SS(21)722412	1305	...	76·17	230	188
6.—AXE—42 sq. mi.							
D Wayford Manor .. ..	.. H. L. P. Baker, Esq.	ST(31)405067	420	39·1	40·72	169	141
d Cricket St. Thomas .. ..	.. Mr. G. A. Wakefield	ST(31)374088	444	40·9	47·94	...	...
D Church Stanton (Otterhead) .. ..	.. Water Engineer, Taunton ..	ST(31)226138	819	44·4	46·05	205	154
7.—STOUR. 35 sq. mi.							
D Horsington (Throop Farm) .. ..	.. Brig. F. C. F. Cleeve	ST(31)687233	460	31·7	36·04	193	140

DIVISION VI—WEST MIDLAND COUNTIES

GLOUCESTERSHIRE. (Area, 1,237 sq. mi.)

1.—WYE. 50 sq. mi.							
D St. Briavels (Mavis Bank)	Major H. J. Le Mare	SO(32)535037	740	...	46·00	183	136
D Redbrook (Pumping Station)	West Dean R.D.C.	SO(32)539109	220	36·9	42·66	173	139

§ Turf wall round gauge.

* Per Somerset River Board.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958			
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more	
GLOUCESTERSHIRE—(contd.)				ft.	in.	in.			
2.—SEVERN. Right Bank Tributaries. 185 sq. mi.									
d	Forest of Dean (Parkend)	.. .. Forestry Commission	..	SO(32)607086	325	37.9	43.50	...	...
d	Forest of Dean (Edgehills Lodge)	.. .. Forestry Commission	..	SO(32)664159	915	32.6	49.73	...	...
D	Newent (Taynton)	.. .. M. Philips Price, Esq.	..	SO(32)743216	60	29.8	37.38	187	137
D	Bromsberrow Heath (Pumping Stn.)	.. .. Malvern U.D.C.	..	SO(32)738333	181	28.5	35.26	168	139
d	Tewkesbury (Upper Lode)	.. .. British Waterways	..	SO(32)881328	41	25.6	28.11	...	129
3.—SEVERN. Left Bank Tributaries. 369 sq. mi.									
d	Rudgeway (Lower Hazel)	.. .. T. T. Hodges, Esq.	..	ST(31)623872	200	...	34.16	177	145
D	Tytherington (Keven)	.. .. K. M. Brown, Esq.	..	ST(31)667886	240	...	38.42	202	151
d	Thornbury (Thornbury Park)	.. .. Gardener	..	ST(31)634908	70	33.0	35.92	195	147
d	Alderley (Pumping Station)	.. .. W. Gloucester Water Co.	..	ST(31)774914	206	...	33.83	192	150
d	Wotton-under-Edge (Bournstream)	.. .. Lt.-Col. B. S. Browne	..	ST(31)750945	300	32.9	34.83	193	137
D	Upper Cam (Lansdown)	.. .. A. W. Hughes, Esq.	..	ST(31)764988	350	33.8	36.42	205	150
D	Berkeley (Sharpness Docks)	.. .. British Waterways	..	SO(32)673028	50	...	35.84	180	141
D	Minchinhampton (Derhams House)	.. .. Dame Isobel Cripps, G.B.E.	..	SO(32)869005	625	...	39.84	212	146
D	Minchinhampton (Rectory Cottage)	.. .. F/Lt. G. W. Fisher	..	SO(32)873008	610	35.3	40.20	204	149
d	Chalford (Waterworks)	.. .. Stroud District Water Board	..	SO(32)907025	220	...	37.49	...	...
D	Eastcombe	.. .. P. Blair, Esq.	..	SO(32)888040	470	...	39.22	213	152
D	Chalford (France Lynch)	.. .. Major V. A. H. Denne	..	SO(32)901044	640	...	42.11	212	162
D	Stonehouse (Wycliffe College)	.. .. W. A. Sibly, Esq.	..	SO(32)808051	135	29.1	32.99	191	133
D	Stroud (RUSCOMBE)	.. .. Capt. B. D. Parkin	..	SO(32)837077	610	31.9	36.38	206	146
D	Miserden Park	.. .. Agent	..	SO(32)938087	800	37.3	56.32	178	159
D	Whitminster (The Junction)	.. .. British Waterways	..	SO(32)775085	32	30.8	35.64	185	138
d	Haresfield Court	.. .. G. B. Heywood, Esq.	..	SO(32)810090	100	31.9	31.81	...	124
D	Harescombe Grange	.. .. Mrs. Stamford Hutton	..	SO(32)844106	557	...	36.72	199	147
D	Witcombe Reservoir	.. .. J. H. Goodridge, Esq., C.E.	..	SO(32)903147	297	29.1	34.26	207	139
D	Dowdeswell Reservoir	.. .. Chelt. & Glos. Water Board	..	SO(32)984198	357	30.1	32.49	179	139
D	Cheltenham (Hewletts Reservoir)	.. .. Chelt. & Glos. Water Board	..	SO(32)974223	419	28.3	31.65	191	133
D	Cheltenham (Sandford Mead)	.. .. Chelt. & Glos. Water Board	..	SO(32)953216	210	27.3	30.68	186	127
D	CHELTENHAM (Montpellier Gdns.) (+ A)	.. .. Town Clerk	..	SO(32)946218	214	26.3	29.48	189	127
D	Cheltenham (Cemetery)	.. .. Superintendent	..	SO(32)972230	270	...	28.90	168	123
D	Tewkesbury (Pumping Station)	.. .. Chelt. & Glos. Water Board	..	SO(32)890337	47	25.6	28.13	193	128
4.—SEVERN. Upper Avon. 68 sq. mi.									
D	Blockley (The Manor House)	.. .. Major H. F. Cox	..	SP(42)165348	450	32.3	33.86	207	144
d	Winchcombe (Sudeley Castle)	.. .. Mrs. M. Dent-Brocklehurst	..	SP(42)030282	357	...	35.78	...	...
D	Chipping Campden (Leysbourne)	.. .. Miss C. Sparling	..	SP(42)152394	470	30.5	35.13	227	153
D	Campden (Research Station)	.. .. Director	..	SP(42)170396	389	...	34.52	198	158
5.—LOWER AVON & C. 208 sq. mi.									
D	Bitton (Willsbridge Nurseries)	.. .. G. E. A. Richards, Esq.	..	ST(31)667698	100	31.6	33.66	217	145
D	Bath (Monkswood Reservoir)	.. .. Bath Corporation W.W.	..	ST(31)755711	365	35.5	35.74	203	144
D	Hanham (Conham Sewage Works)	.. .. W. J. Lee, Esq.	..	ST(31)628720	50	33.0	37.38	205	148
D	Bristol (Hopewell Hill)	.. .. West Gloucester Water Co.	..	ST(31)643742	386	32.2	34.96	212	150
D	Clifton (Oakfield Road)	.. .. R. W. M. Melvin, Esq.	..	ST(31)577737	200	...	37.53	191	145
D	Horfield	.. .. (+ A) City Engineer, Bristol	..	ST(31)589763	248	32.8	35.10	183	145
D	BRISTOL (FILTON)	.. .. (+ A) Meteorological Office	..	ST(31)598802	192	31.1	33.74	190	139
d	Henbury (The Ridgeway)	.. .. R. H. Gunn, Esq.	..	ST(31)573785	263	32.5	37.11	...	...
D	Frampton Cotterell (Pumping Station)	.. .. West Gloucester Water Co.	..	ST(31)670818	154	...	31.89	190	141
D	Badminton Gardens	.. .. Head Gardener	..	ST(31)801828	407	...	39.24	186	164
D	Shipton Moyne (Pumping Station)	.. .. West Gloucester Water Co.	..	ST(31)899887	312	...	39.97	221	154

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
GLOUCESTERSHIRE.—(contd.)				ft.	in.	in.		
6.—THAMES. Right Bank Tributaries. 17 sq. mi.								
7.—THAMES. Windrush & c. 340 sq. mi.								
D	Cirencester (Shorncombe Sew. Wks.) ..	Cirencester U.D.C.	SU(41)034971	307	...	31·43	187	141
d	Fairford (Reeve, Kempsford) ..	Major H. A. Northern	SU(41)160980	260	28·3	32·13	169	137
D	Lechlade (St. John's Lock) ..	Thames Conservancy	SU(41)222991	237	26·2	32·50	201	138
D	CIRENCESTER (Royal Agric. College) ..	Principal ..	SP(42)004012	443	33·5	36·38	186	146
D	Cirencester (Chesterton Grove) ..	N. Woods, Esq. ..	SP(42)022009	376	32·2	35·39	212	150
D	Cirencester (Baunton W.W.) ..	(+ A) Cirencester U.D.C. ..	SP(42)019048	396	32·7	35·51	205	141
D	LITTLE RISSINGTON Airfield ..	(+ A) Meteorological Office ..	SP(42)209191	740	30·4	34·04	195	144
	Adelstrop (Hillside Farm) ..	Thames Conservancy	SP(42)258266	500	...	32·73	..	..
HEREFORDSHIRE. (Area, 840 sq. mi.)								
1.—WYE. 685 sq. mi.								
D	Llangarron (Bernithan Court) ..	J. F. Maclean, Esq. ..	SO(32)541215	300	...	35·69	190	133
d	Llangarron (Tre-Evan) ..	N. P. Bridgewater, Esq. ..	SP(32)522219	250	...	34·47	...	...
	Walford (Hill Court Gardens) ..	Mrs. G. R. Trafford ..	SO(32)575215	126	29·1	34·60	164	131
d	Ross-on-Wye (Sew. Disp. Works) ..	Sanitary Engineer ..	SO(32)584234	112	...	35·61	...	147
D	ROSS-ON-WYE ..	(+ A) F. J. Parsons, Esq., for M.O.	SO(32)598233	223	27·9	34·62	187	126
D	Kentchurch Court ..	J. Lucas-Scudamore, Esq. ..	SO(32)423258	236	32·5	37·87	200	126
D	Perrystone Court ..	Lt.-Gen. Sir Sidney Clive ..	SO(32)624295	450	29·3	34·97	160	131
D	Much Dewchurch (The Mynde) ..	Capt. H. A. Clive* ..	SO(32)470298	420	...	38·13	184	133
D	Sollershope (Perryfield) ..	A. G. Fyshe, Esq. ..	SO(32)617326	320	...	34·42	184	134
D	Vowchurch (Ladywell House) ..	A. S. Wood, Esq. ..	SO(32)350362	400	35·9	39·32	204	147
D	Michaelchurch Escley (Llan Rosser) ..	J. M. Maddy, Esq.* ..	SO(32)287380	1125	42·3	49·51	215	167
d	Hereford (Belmont Abbey) ..	The Abbot ..	SO(32)481380	260	...	32·15	...	...
D	Hereford (Sewage Works) ..	F. Margerison, Esq., C.E. ..	SO(32)519388	167	...	32·33	170	114
D	Hereford (Breinton Court) ..	Mrs. R. E. H. Bailly ..	SO(32)470396	238	26·4	34·41	209	124
D	Bishopstone (Fayre Mede) ..	A. C. Quinn, Esq. ..	SO(32)418431	320	38·5	33·33	197	126
D	Tillington Fruit Farm ..	Co-op. Wholesale Soc. Ltd.	SO(32)467448	270	26·1	34·52	189	133
D	Burghill Hospital ..	Medical Superintendent ..	SO(32)482433	300	25·7	33·65	128	105
D	PRESTON WYNNE ..	Farm Director ..	SO(32)565475	274	...	33·90	194	134
D	Wellington (Yew Tree House) ..	Mrs. H. F. Jackson ..	SO(32)500475	185	...	36·70	218	142
D	Weobley (Garnstone) ..	Mrs. A. M. Verdin ..	SO(32)401501	442	29·2	36·50	179	128
D	Sarnesfield Grange ..	R. A. Marshall, Esq. ..	SO(32)368509	378	29·1	36·80	178	138
d	Hope under Dinmore ..	Cadbury Bros. Ltd.* ..	SO(32)513538	246	26·7	34·93	...	124
D	Pembridge (Moor Court) ..	Late Mrs. L. Benn ..	SO(32)359561	400	29·5	40·25	192	156
D	Bromyard (The Down House) ..	Capt. L. R. Hibbert ..	SO(32)669545	485	27·9	34·13	197	143
d	Stoke Prior ..	J. H. Armstrong, Esq. ..	SO(32)533557	375	...	34·15	...	129
D	Lyonshall (The Croft) ..	Major R. J. Jones ..	SO(32)335558	474	31·9	39·25	218	148
D	LYONSHALL (The Whittern) ..	R. H. Green, Esq. ..	SO(32)339576	510	32·8	41·91	208	143
D	Monkland Cottage ..	Capt. N. J. Bengough ..	SO(32)449573	300	27·0	38·15	207	144
D	Kimbolton (Grantsfield) ..	Miss D. W. Hutchinson ..	SO(32)526603	424	28·3	37·60	176	143
D	Presteigne (Middlemoor) ..	Mrs. A. M. Wilson ..	SO(32)326645	480	33·4	42·20	211	145
2.—SEVERN. Right Bank Tributaries. 155 sq. mi.								
D	Newent (Kilcot) ..	Forestry Commission ..	SO(32)681255	170	30·7	40·95	179	147
D	Much Marcle (Hall Court) ..	Mrs. D. J. Powell ..	SO(32)644353	200	...	36·18	187	131

* Per Wye River Board.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
HEREFORDSHIRE—(contd).				ft.	in.	in.		
2.—SEVERN. Right Bank Tributaries—(contd.)								
D	Ledbury (The Sladd)	Major R. E. Combe, M.C. ..	SO(32)646382	400	28.0	36.83	177	148
d	Cradley School	Headmaster	SO(32)734471	250	...	32.85	...	...
D	Downton Castle (Estate Office) ..	Maj. W. M. P. Kincaid Lennox	SO(32)444747	456	29.9	37.83	194	148
SHROPSHIRE. (Area, 1,343 sq. mi.)								
1.—MERSEY. Weaver. 27 sq. mi.								
D	Adderley (Raven House)	Mrs. Edmond Browne ..	SJ(33)661401	250	28.7	29.40	221	146
2.—DEE. 30 sq. mi.								
D	Overton (Sodylt Hall)	W. S. Corbett Lowe, Esq. ..	SJ(33)346406	267	...	36.58	197	145
3.—SEVERN. Right Bank Tributaries. 722 sq. mi.								
D	Bucknell Vicarage	Rev. W. A. Woodhouse ..	SO(32)355735	480	32.1	39.84	177	143
D	Ludlow (Castle Weir)	C. T. Marston, Esq. ..	SO(32)508745	270	...	38.31	163	139
D	Bromfield (Oakly Park)	Head Gardener	SO(32)491762	300	30.3	40.26	198	150
M	Cleobury Mortimer (Chilton) ..	Col. F. M. Tomkinson ..	SO(32)673781	410	31.5	33.89	...	...
D	Anchor (Kerry Forest)	Forestry Commission ..	SO(32)172857	1150	48.3	45.15	223	177
D	Burwarton (Dingle Leys)	R. B. C. Edwards, Esq. ..	SO(32)624850	730	34.6	35.83	200	150
D	Craven Arms (Westhope Cottage) ..	Lady Dyer	SO(32)475863	610	30.0	36.02	186	157
d	Lydbury North (Totterton)	Major W. H. B. Whitaker ..	SO(32)360874	700	31.9	37.31	...	...
D	Bishops Castle (The Mount)	F. Lavender, Esq.	SO(32)324892	735	...	32.39	215	150
D	Acton Scott (Wood Acton)	Mrs. R. C. Acton	SO(32)453892	602	...	39.34	226	176
D	CHURCH STRETTON (Sewage Wks.) ..	Surveyor, U.D.C.	SO(32)438909	582	35.3	40.72	207	161
D	Bridgnorth (Silverdale)	H. E. Trevor, Esq.	SO(32)709932	245	26.7	30.79	197	122
D	Bridgnorth (Morville Hall)	Mrs. Bythell	SO(32)668940	300	28.1	32.64	188	144
D	Worthen	Dr. D. M. Hunter	SJ(33)326045	395	29.7	31.51	197	150
D	Meole Brace Hall	J. B. Hoare, Esq.	SJ(33)485104	250	...	34.37	185	140
d	Shrewsbury (Ford)	Atcham R.D.C.	SJ(33)420129	253	...	32.39	161	128
D	Shrewsbury (Bicton Heath)	C. J. Wingfield, Esq. ..	SJ(33)453132	270	...	35.29	206	144
D	SHREWSBURY (Monkmoor)	Medical Officer of Health ..	SJ(33)514138	184	25.7	33.36	206	143
4.—SEVERN. Left Bank Tributaries. 564 sq. mi.								
D	Bridgnorth (Stanmore Hall)	The Hon. E. S. Hamilton-Russell	SO(32)742922	297	26.7	32.06	208	134
D	Hilton (Pumping Station)	B. L. McMillan, Esq., C.E.	SO(32)776960	168	...	28.68	185	128
D	Ackleton (The Folley)	H. J. Bath, Esq.	SO(32)771978	230	27.3	30.39	206	150
D	Shifnal (Hatton Grange)	Head Gardener	SJ(33)765043	262	27.2	35.22	188	146
D	Shifnal (Cosford Waterworks) ..	B. L. McMillan, Esq., C.E.	SJ(33)781046	222	...	31.59	195	136
D	Wellington W.W. (Wrekin Res.) ..	Surveyor	SJ(33)637096	478	...	36.57	213	151
D	Wellington (Wrekin College)	E. C. Gower, Esq.	SJ(33)655117	340	26.8	34.54	178	143
D	Wellington (Allscott)	British Sugar Corp'n., Ltd.	SJ(33)605128	200	25.9	29.85	...	...
D	NEWPORT (Harper Adams Agric. Coll.)	Principal	SJ(33)713202	211	26.1	33.37	188	135
D	SHAWBURY Airfield	(+ A) Meteorological Office ..	SJ(33)553220	235	26.0	34.46	197	137
d	Newport (Chetwynd Park)	J. G. B. Borough, Esq. ..	SJ(33)733215	230	29.1	37.79	...	...
d	Wem (Modern School)	Headmaster	SJ(33)515292	260	28.6	35.78	...	...

|| Gauge over-sheltered.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
SHROPSHIRE—(contd.)				ft.	in.	in.		
4.—SEVERN. Left Bank Tributaries—(contd.)								
d	Oswestry (Llanyblodwel)	.. .. Mrs. R. Dugdale	SJ(33)232236	300	35.9	34.06	...	...
D	OSWESTRY (Filter Beds)	.. .. Liverpool Corporation W.W.	SJ(33)278296	570	35.7	37.63	196	159
D	Oswestry (Llanforda Reservoir)	.. .. Liverpool Corporation W.W.	SJ(33)272297	702	36.5	40.49	181	162
D	Oswestry (Mount Reservoir)	.. .. Borough Surveyor	SJ(33)275304	698	36.5	40.35	207	163
D	Oswestry (Llwyn Terrace)	.. (+A) Borough Surveyor	SJ(33)294301	430	34.6	38.64	199	161
d	Ternhill Airfield	.. .. Meteorological Office	SJ(33)641309	268	...	34.59	...	...
STAFFORDSHIRE. (Area, 1,166 sq. mi.)								
1.—MERSEY. Weaver. 50 sq. mi.								
D	Madeley Vicarage	.. .. Rev. W. Garner*	SJ(33)774442	350	31.8	37.96	218	166
D	Biddulph Grange	.. .. Secretary	SJ(33)894591	560	35.3	43.66	198	176
2.—SEVERN. Left Bank Tributaries. 160 sq. mi.								
D	Kinver	.. .. R. A. Robertson, Esq., C.E.	SO(32)848835	152	26.9	31.70	195	130
d	Lye (Pumping Station)	.. .. Upper Stour Sewerage Bd.	SO(32)918851	245	27.4	35.48	...	...
D	Kinver (Prestwood)	.. .. R. A. Robertson, Esq., C.E.	SO(32)859858	179	26.5	29.15	185	139
D	Kingswinford (Ashwood Pumping Stn.)	R. A. Robertson, Esq., C.E.	SO(32)866878	207	27.0	29.73	189	137
D	Wolverhampton (Dimmingsdale W.W.)	B. L. McMillan, Esq., C.E.	SO(32)860962	323	...	29.17	178	141
d	Wolverhampton (West Park)	.. .. Medical Officer of Health	SO(32)906990	430	28.5	31.27	194	157
D	Tettenhall (Waterworks)	.. .. B. L. McMillan, Esq., C.E.	SJ(33)885001	468	28.5	30.21	188	142
D	Shifnal (Weston Park)	.. .. The Earl of Bradford	SJ(33)806108	400	28.4	33.18	184	150
d	Norbury Junction	.. .. British Waterways	SJ(33)793228	331	28.7	31.91	...	...
d	Maer Hall Gardens	.. .. Mr. A. E. Berisford	SJ(33)794382	410	34.3	38.31	187	176
3.—TRENT. Right Bank Tributaries. 513 sq. mi.								
D	Tividale (Sewage Disposal Works)	.. .. Upper Stour Sewerage Bd.	SO(32)973910	432	29.1	33.61	201	147
D	West Bromwich (Dartmouth Park)(+A)	Borough Surveyor	SP(42)011915	543	28.5	31.86	158	135
D	Tipton (Toll End Sewage Works)	.. .. Manager	SO(32)978931	400	28.3	31.90	191	142
D	Wednesbury (Ocker Hill)	.. .. British Waterways	SO(32)972938	476	...	29.66	169	126
D	Walsall (Bescot Sewage Farm)	.. .. M. E. Habershon, Esq.	SP(42)007966	387	28.3	30.93	183	139
D	Darlaston (Sewage Works)	.. .. S. E. Hammonds, Esq.	SO(32)985978	393	26.4	31.60	195	142
D	Bilston (The Lunt Outfall)	.. .. Works Manager	SO(32)963958	410	27.7	31.67	191	143
D	WALSALL (Dartmouth Avenue)	.. .. J. C. W. Day, Esq.	SK(43)012005	455	...	34.39	205	150
D	Aldridge (Bourne Vale)	.. .. R. A. Robertson, Esq., C.E.	SP(42)074997	419	...	34.61	189	147
D	OAKEN (Manor House)	.. .. A. J. Parkes, Esq., M.C.	SJ(33)857031	409	...	32.00	179	148
D	Shenstone (Little Hay)	.. .. R. A. Robertson, Esq., C.E.	SK(43)123030	298	27.8	35.92	204	150
D	Bloxwich (Sneyd Reservoir)	.. .. British Waterways	SJ(33)982025	507	28.9	36.04	195	148
d	Pelsall (Goscote Sewage Works)	.. .. M. E. Habershon, Esq.	SK(43)015025	435	28.4	34.69	...	140
D	Tamworth (Sewage Pumping Station)	.. .. K. Price, Esq.	SK(43)200041	182	25.5	29.72	205	136
D	Brownhills (Sandhills)	.. .. R. A. Robertson, Esq., C.E.	SK(43)067048	407	28.4	33.35	190	146
D	Brownhills	.. .. Engineer & Surveyor	SK(43)038058	492	28.6	35.35	187	142
D	Cannock (Great Wyrley)	.. .. R. Sambrook, Esq.	SJ(33)991076	420	28.7	35.97	214	153
D	Hammersmith (Cannock Reservoir)	.. .. British Waterways	SK(43)040074	475	28.5	33.58	206	143
D	Whittington (Old Hall)	.. .. Mr. E. J. L. Lockyer	SK(43)162083	221	26.8	32.83	175	137
D	§Cannock (Longford Road S.W.)	.. .. Cannock U.D.C.	SJ(33)975090	405	...	32.80	190	145

§ Turf wall round gauge.

* Per Cheshire River Board.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
STAFFORDSHIRE.—(contd.)				ft.	in.	in.		
3.—TRENT. Right Bank Tributaries—(contd.)								
D	PENKRIDGE (Farm Institute)	Principal	SJ(33)922115	330	...	33.95	197	151
D	§Hednesford (Gentleshaw)	R. A. Robertson, Esq., C.E.	SK(43)049123	744	31.3	35.14	207	158
D	Brewood (Belvide Reservoir)	British Waterways	SJ(33)861105	367	29.9	34.65	...	...
D	WHEATON ASTON	Director, Poultry Test Stn.	SJ(33)848133	365	...	33.38	196	147
D	Elford	Trent River Board	SK(43)189103	183	...	31.07	181	138
D	Hednesford (Pye Green)	R. A. Robertson, Esq., C.E.	SJ(33)989143	768	30.5	37.45	204	152
D	Lichfield (Hanch Reservoir)	(+ A) R. A. Robertson, Esq., C.E.	SK(43)103136	259	26.9	32.95	193	142
D	||Alrewas	J. R. McKnight, Esq.	SK(43)168148	200	26.1	30.85	187	139
D	Lichfield (Sandfields)	R. A. Robertson, Esq., C.E.	SK(43)110083	303	...	33.13	185	139
D	Rugeley (Slitting Mill)	R. A. Robertson, Esq., C.E.	SK(43)033173	299	29.1	35.99	191	150
D	Rugeley (Brindley Bank)	R. A. Robertson, Esq., C.E.	SK(43)037195	254	27.3	34.12	202	153
D	Milford (Waterworks)	G. J. Plant, Esq.	SJ(33)975212	246	29.0	36.76	212	155
D	Stafford (Riverway Nurseries)	(+ A) G. J. Plant, Esq.	SJ(33)927229	247	29.8	32.93	208	149
D	Yarlet Hall	K. E. Tarling, Esq.	SJ(33)913293	405	30.0	34.99	198	151
D	STONE (Cold Norton Farm)	Animal Breeding Res. Org.	SJ(33)878321	350	...	33.66	213	144
D	Standon (Hatton Waterworks)	G. V. Brown, Esq., C.E.	SJ(33)829370	355	31.7	36.59	204	157
d	Whitmore (Pumping Station)	British Railways	SJ(33)799400	392	30.5	36.63	...	...
D	KEELE (Univ. Coll. of North Staffs)	(+ A) Prof. S. H. Beaver, M.A.	SJ(33)820446	587	31.6	36.72	219	166
D	Hanley (Etruria)	Shelton Iron, Steel & Coal Co., Ltd.	SJ(33)875470	423	33.0	40.02	193	170
4.—TRENT. Left Bank Tributaries. 193 sq. mi.								
w	Hamstall Ridware (No. 1)	R. A. Robertson, Esq., C.E.	SK(43)109192	214	...	29.34	...	...
w	Hamstall Ridware (No. 2)	R. A. Robertson, Esq., C.E.	SK(43)103193	240	26.3	30.59	...	...
D	Burton Reservoir	R. A. Robertson, Esq., C.E.	SK(43)264229	309	...	29.69	188	135
D	Burton (Shobnall)	Bass, Ratcliff & Bretton, Ltd.	SK(43)234231	157	25.5	29.04	187	139
D	Burton-on-Trent (Outwoods)	R. A. Robertson, Esq., C.E.	SK(43)227240	310	27.3	31.63	189	149
D	Burton (Outwoods Hospital)	Medical Officer of Health	SK(43)232248	220	26.9	32.47	234	145
D	Blithfield Reservoir	(+ A) R. A. Robertson, Esq., C.E.	SK(43)071226	273	28.7	32.39	209	157
w	Abbots Bromley (Port Fields)	R. A. Robertson, Esq., C.E.	SK(43)067237	316	28.5	31.84	...	...
M	Newton (Booth)	R. A. Robertson, Esq., C.E.	SK(43)042272	360	29.2	34.27	...	...
M	Kingston	R. A. Robertson, Esq., C.E.	SK(43)063295	420	29.2	34.06	...	...
M	Gratwich (Caverswall Farm)	R. A. Robertson, Esq., C.E.	SK(43)040315	381	30.5	37.06	...	...
M	Gratwich (Fradswell)	R. A. Robertson, Esq., C.E.	SK(43)007334	450	31.2	36.88	...	...
M	Leigh (Middleton Green)	R. A. Robertson, Esq., C.E.	SJ(33)995354	597	32.7	38.44	...	...
M	Leigh (Lane Farm)	R. A. Robertson, Esq., C.E.	SK(43)014371	500	...	37.23	...	...
M	Fulford Manor	R. A. Robertson, Esq., C.E.	SJ(33)950386	710	...	37.89	...	...
D	§Draycott (Cresswell Pumping Station)	C. V. Brown, Esq., C.E.	SJ(33)974394	538	34.5	41.27	219	176
d	Trentham (Meadow Lane)	T. P. E. Machin, Esq.	SJ(33)881411	364	...	39.47	206	166
D	Longton (The Meir)	C. V. Brown, Esq., C.E.	SJ(33)941418	617	32.9	40.75	223	172
M	Caverswall (Hardwick Farm)	R. A. Robertson, Esq., C.E.	SJ(33)956442	810	32.5	40.71	...	...
M	Longton (Hulme)	R. A. Robertson, Esq., C.E.	SJ(33)934454	710	33.1	43.96	...	...
D	Hanley (Sewage Works)	W. H. Makepeace, Esq.	SJ(33)886461	386	30.9	39.06	212	159
D	Werrington (Wallmires Pumping Stn.)	Cheadle R.D.C.	SJ(33)950463	761	34.9	44.68	247	182
5.—TRENT. Dove. 250 sq. mi.								
D	Uttoxeter	C. H. Elkes & Sons, Ltd.	SK(43)089340	295	30.6	35.70	206	165
d	Church Leigh School House	Trent River Board	SK(43)023360	501	...	36.90	...	...
D	Ellastone (Vicarage)	Rev. W. F. Need	SK(43)117434	410	...	40.59	219	177
M	Dilhorne (Richmoor Hill)	R. A. Robertson, Esq., C.E.	SJ(33)968470	919	35.1	41.99	...	...
D	Leek (Wall Grange Pumping Stn.)	C. V. Brown, Esq., C.E.	SJ(33)966536	456	...	44.02	225	176

|| Gauge over-sheltered.

§ Turf wall round gauge.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain- fall	1958		
			National grid reference	Altitude		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
STAFFORDSHIRE—(contd.)				ft.	in.	in.		
5.—TRENT. Dove—(contd.)								
d	Leek (Westwood Park Avenue)	.. S. K. Peacock, Esq.	SJ(33)978564	550	35·6	44·31	...	...
d	Leek (Moorhill)	.. Lt.-Col. G. J. Worthington	SJ(33)998571	780	38·0	45·35	224	196
M	Leek (Poolend Pumping Stn.)	.. J. A. Gilchrist, Esq.	SJ(33)965582	530	...	43·61	...	...
D	ONECOTE (New Mixon Hay)	.. J. A. Johnson, Esq.	SK(43)035576	1350	...	52·01	213	190
D	Leek (Tittesworth)	.. C. V. Brown, Esq., C.E.	SJ(33)990589	657	37·9	47·70	228	180
b	Leek (The Hollies)	.. C. V. Brown, Esq., C.E.	SK(43)005602	694	...	48·93	233	183
M	Leek (Stonycliff)	.. C. V. Brown, Esq., C.E.	SK(43)019601	964	...	51·05	...	...
M	Leek (Mermaid Inn)	.. C. V. Brown, Esq., C.E.	SK(43)038605	1471	...	57·30	...	...
M	Leek (Alder Lee)	.. C. V. Brown, Esq., C.E.	SJ(33)989606	685	...	47·75	...	...
M	Leek (Lower Haddon)	.. C. V. Brown, Esq., C.E.	SJ(33)976606	875	...	49·00	...	...
M	Leek (Withens, Upper Hulme)	.. J. A. Gilchrist, Esq.	SK(43)011620	1084	...	47·58	...	...
M	Leek (Middle Hills)	.. C. V. Brown, Esq., C.E.	SK(43)030639	1480	...	56·85	...	...
WORCESTERSHIRE. (Area, 732 sq. mi.)								
1.—SEVERN. Right Bank Tributaries. 222 sq. mi.								
d	Malvern (British Camp. Res.)	.. Malvern U.D.C.	SO(32)764399	677	27·7	33·04	...	...
d	Malvern (Hall Green)	.. Severn River Board	SO(32)800457	117	...	32·58	...	...
D	MALVERN (Surveyor's Depot)	.. Malvern U.D.C.	SO(32)790461	203	29·5	34·75	207	139
D	Malvern (Lansdowne Crescent)	.. Col. V. N. Johnson	SO(32)766463	276	...	36·72	177	138
D	Ombersley (Holt Lock)	.. British Waterways	SO(32)821634	55	25·4	32·06	186	145
2.—SEVERN. Left Bank Tributaries. 200 sq. mi.								
D	WORCESTER (REDHILL)	.. Worcester A.E.C.	SO(32)873536	190	...	31·23	186	133
D	Worcester (Waterworks)	.. City Engineer	SO(32)841565	57	25·3	33·53	200	136
d	Worcester (Samuel Southall School)	.. Headmaster	SO(32)854564	147	...	32·24	...	131
D	Worcester (Bevere Lock)	.. British Waterways	SO(32)837594	51	24·8	31·52	182	146
D	Bromsgrove (Tardebigge Reservoir)	.. British Waterways	SO(32)989690	455	29·7	34·49	191	145
D	Bromsgrove (Sewage Disposal Works)	.. Bromsgrove U.D.C.	SO(32)956685	220	27·7	32·09	193	138
D	Bromsgrove (Burcot Pumping Stn.)	.. F. H. Bullock, Esq.	SO(32)984716	432	28·9	32·83	192	146
D	Barnt Green (Linthurst Road)	.. Miss M. Gibbins	SO(32)996732	650	32·3	35·74	207	149
D	Bromsgrove (Washing Stocks P.S.)	.. F. H. Bullock, Esq.	SO(32)959732	366	28·0	32·16	192	148
d	Bewdley	.. P. H. Pritchard, Esq.	SO(32)792752	70	...	33·03	178	137
D	Kidderminster (St. John's Avenue)	.. H. Hodgkinson, Esq.	SO(32)817764	250	26·0	30·77	179	126
D	Kidderminster (Park Hall)	.. K. H. Wilson, Esq.	SO(32)864778	200	27·5	33·11	217	142
d	Kidderminster (Wolverley Road)	.. R. D. M. Evers, Esq.	SO(32)843786	245	26·2	30·70	...	...
D	Bewdley (Elan Aqueduct)	.. C. A. Risbridger, Esq., C.E.	SO(32)776784	91	...	33·13	203	143
D	Clent Hall	.. Miss H. M. Wilson	SO(32)929792	600	29·9	34·74	207	147
D	Wolverley (Hill House)	.. J. C. Wilson, Esq.	SO(32)821798	250	28·0	31·50	...	132
D	Halesowen (Romsley)	.. R. A. Robertson, Esq., C.E.	SO(32)964805	616	...	36·45	189	145
D	HALESOWEN (Hayley Green)	.. C. Roberts, Esq.	SO(32)949821	505	30·0	35·20	195	140
D	Halesowen (Furnace Hill)	.. J. S. Hall, Esq.	SO(32)963841	450	...	34·34	204	140
D	Pedmore (Beckman Road)	.. Miss M. M. Sheward	SO(32)912816	415	...	32·58	198	137
D	Wollaston (Wood Street)	.. H. Little, Esq.	SO(32)890850	275	...	28·84	172	127
D	Wollaston (Coalbourn Brook P.S.)	.. J.S. Brown, Esq., M.I.Mun.E.	SO(32)894855	225	...	30·88	192	143
3.—SEVERN. Upper Avon. 251 sq. mi.								
D	Overbury Court Gardens	.. T. Holland-Martin, Esq.	SO(32)956373	212	25·8	29·25	196	138
D	Bredon (Bredon House)	.. Col. M. F. Grant	SO(32)923368	120	25·4	29·30	196	132

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
WORCESTERSHIRE—(contd.)				ft.	in.	in.		
3.—SEVERN—(contd.)								
D	Evesham (Bengeworth)	Ross Bros., Ltd.	SP(42)048442	128	24.3	28.57	184	133
D	Evesham (Breforton Manor)	H. Ashwin, Esq.	SP(42)092440	130	25.9	28.97	195	138
d	Evesham (Abbey Road P.S.)	Borough Surveyor	SP(42)034433	85	24.3	29.14	...	138
D	Evesham (High Street)	N. A. Field, Esq.	SP(42)040445	120	24.5	28.46	192	135
d	Evesham (Port Street)	W. J. Craven & Co. Ltd.	SP(42)044435	72	...	30.14	...	...
D	PERSHORE (Inst. of Horticulture)	Principal	SO(32)960450	130	25.5	30.48	194	136
D	PERSHORE AIRFIELD (+ A)	Meteorological Office	SO(32)973495	110	...	28.48	180	122
	Alcester (Cookhill)	T. Barber, Esq.	SP(42)053589	400	26.4	33.75	173	...
D	Redditch (Hewell Gardens)	Mr. F. Molyneux	SP(42)000687	469	29.9	32.81	188	144
D	Bromsgrove (Brockhill Pumping Stn.)	F. H. Bullock, Esq. ...	SP(42)001701	439	29.6	32.94	207	146
D	Bromsgrove (Lower Bittal Reservoir)	British Waterways	SP(42)021743	457	30.7	34.12	190	150
4.—THAMES. Windrush & c. 3 sq. mi.								
5.—TRENT. Right Bank Tributaries. 56 sq. mi.								
D	Oldbury (Barnford Hill Park)	Borough Surveyor	SO(32)997876	607	30.8	34.75	187	152
D	Dudley (Tipton Road)	Borough Engineer	SO(32)950916	490	27.9	32.15	205	138
D	Dudley (Shavers End)	R. A. Robertson, Esq., C.E.	SP(32)933912	745	28.7	32.74	196	148
WARWICKSHIRE. (Area 944 sq. mi.)								
1.—SEVERN. Upper Avon. 640 sq. mi.								
d	Long Compton (Weston Park)	Mrs. H. B. Warriner	SP(42)287345	510	27.7	(30.89)	...	...
D	SHIPSTON-ON-STOUR (Compton Scorp.)	A. W. Beecham, Esq.	SP(42)213407	364	26.5	30.45	208	141
D	||Tredington	Mrs. N. H. Walton	SP(42)257437	300	...	28.69	149	129
D	LUDDINGTON	Farm Director	SP(42)154528	138	23.6	29.00	189	133
D	STRATFORD-ON-AVON (Drayton Manor)	Director	SP(42)164549	160	24.0	29.97	195	134
D	Stratford-on-Avon (Milcote)	P. C. Smart, Esq., C.E.	SP(42)184528	122	24.7	30.18	191	133
D	Stratford-on-Avon (Thurlaston)	Miss M. A. Everard	SP(42)207542	135	24.9	31.37	209	142
D	Stratford-on-Avon (Wellesbourne Grove)	A. J. Barton, Esq., F.R.Met.S.	SP(42)197548	131	...	31.73	228	136
D	MORETON MORRELL	Institute of Agriculture	SP(42)306553	279	...	30.91	205	130
D	Bidford (Moor Hall)	Miss M. R. Cubberley	SP(42)088538	200	24.7	29.87	172	136
D	WELLESBOURNE	Director (Nat. Veg. Res. Stn.)	SP(42)271565	153	25.0	29.71	192	125
D	Alcester (Arrowside)	J. B. Shewell, Esq.	SP(42)091575	148	24.9	29.81	190	137
D	Ashorne (Victoria Cottage)	G. T. Osborn, Esq. ...	SP(42)306572	150	24.5	29.98	208	133
D	Stratford-on-Avon (Snitterfield)	P. C. Smart, Esq., C.E.	SP(42)207584	274	24.7	32.91	206	138
D	Alcester (The Pleck)	Miss C. E. Chapman	SP(42)078589	250	25.9	31.11	198	133
D	Southam (Banbury Road)	C. W. Arkell, Esq.	SP(42)416612	250	25.6	30.04	198	128
D	Studley (Watts Road)	P. J. Harris, Esq.	SP(42)074629	250	...	32.16	203	137
D	Studley College	Headmistress	SP(42)087641	256	26.3	31.42	192	131
D	Warwick (Mill Street)	Mr. H. F. Smale	SP(42)286647	197	26.1	31.84	191	130
D	Warwick (St. Nicholas Park)	Engineer and Surveyor	SP(42)287649	155	25.6	31.20	175	138
D	Warwick (Hatton)	British Waterways	SP(42)244669	400	27.8	34.45	200	153
D	Leamington Spa (Woodland Grange)	H. M. Blenkinsop, Esq.	SP(42)317678	200	26.3	32.71	187	135
D	Dunchurch Hall	C. L. D. Fawcus, Esq.	SP(42)484710	400	27.0	31.05	181	148
D	Kenilworth (U.D.C. Offices)	Surveyor	SP(42)289721	294	27.9	33.50	188	138

|| Gauge over-sheltered.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
		National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
WARWICKSHIRE—(contd.)			ft.	in.	in.		
1.—SEVERN. Upper Avon—(contd.)							
d Stretton-on-Dunsmore (Manor House)	Sir L. Lister-Kaye, Bt. ..	SP(42)400725	280	27.0	34.13	...	...
d Rugby (Bilton Grange)	Mr. L. W. Bass ..	SP(42)493744	400	25.6	31.96	196	147
d Coventry (Whitley Pumping Station)	City Engineer, Coventry ..	SP(42)357767	238	...	31.56	188	132
d Coventry (Stoke)	(+ A) E. H. Hodgkins, Esq. ..	SP(42)361783	267	...	30.53	159	125
d COVENTRY (Memorial Park)	Medical Officer of Health ..	SP(42)337792	338	26.5	31.56	188	133
d Coventry (Belvedere Road)	(+ A) H. G. Ellinger, Esq. ..	SP(42)324778	362	28.5	32.01	...	...
d Coundon Reservoir	Water Engineer, Coventry ..	SP(42)319808	377	28.7	33.92	213	138
d Nuneaton (Bedworth Waterworks)	Waterworks Manager ..	SP(42)354866	346	26.8	32.73	190	132
2.—THAMES. Windrush & c. 2 sq. mi.							
3.—THAMES. Cherwell. 15 sq. mi.							
4.—TRENT. Right Bank Tributaries. 287 sq. mi.							
d Coventry (Balsall Common)	W. F. E. Seeley, Esq. ..	SP(42)235769	385	28.1	32.40	177	124
d Highters Heath Reservoir	(+ A) C. A. Risbridger, Esq., C.E.	SP(42)087793	517	30.0	33.22	179	135
d Solihull (Station Road)	Engineer & Surveyor ..	SP(42)148796	424	29.7	36.15	172	142
d Halesowen (Frankley)	C. A. Risbridger, Esq., C.E.	SP(42)008801	571	32.2	33.93	206	149
d Northfield (Bartley Reservoir No. 1)	C. A. Risbridger, Esq., C.E.	SP(42)010812	600	32.8	39.45	211	150
d Bartley (Bromwich Wood)	C. A. Risbridger, Esq., C.E.	SP(32)999810	611	32.9	38.69	211	150
d ELMDON (Birmingham Airport)	(+ A) Meteorological Office ..	SP(42)170835	319	26.8	33.27	185	134
d EDGBASTON (King Edward's School)	Meteorological Observer ..	SP(42)051836	450	30.3	30.51	182	132
d BIRMINGHAM (Edgbaston Observatory)	Birmingham & Midland Inst.	SP(42)046864	535	30.7	33.95	199	138
d Birmingham (Rotten Park)	British Waterways ..	SP(42)045870	477	...	30.79	159	119
d Birmingham (Stetchford)	Birmingham Drainage Board	SP(42)135886	302	27.7	33.93	190	135
d Birmingham (Handsworth)	D M. Evans, Esq., F.R.Met.S.	SP(42)042892	469	29.3	33.60	203	139
d Birmingham (Saltley Sewage Works)	Birmingham Drainage Board	SP(42)105888	292	28.2	32.43	175	144
d Birmingham (Handsworth Park)	(+ A) City Engineer & Surveyor ..	SP(42)048900	424	29.7	34.66	199	145
d Handsworth (Wood Lane)	J. A. Gregory, Esq. ...	SP(42)061908	365	...	33.24	187	141
d Handsworth (Howard Road)	R. Westwood, Esq. ...	SP(42)059909	368	29.2	32.17	176	131
d Coleshill Works	Birmingham Drainage Board	SP(42)195913	238	25.5	30.54	180	133
d Whitacre (Birmingham Waterworks)	C. A. Risbridger, Esq., C.E.	SP(42)227909	269	26.5	33.99	214	139
d Birmingham (Erdington)	C. A. Risbridger, Esq., C.E.	SP(42)102917	442	28.6	33.22	235	142
d B'gham (Erdington, Spring La.)	(+ A) City Engineer & Surveyor ..	SP(42)113911	386	28.5	32.82	183	136
d Minworth Greaves	Birmingham Drainage Board	SP(42)165923	258	25.8	34.31	178	141
d Birmingham (Great Barr)	P. B. Jukes, Esq. ...	SP(42)051941	460	...	31.73	192	141
d Nuneaton (Pumping Station)	G. Ashton, Esq., C.E. ..	SP(42)361923	269	26.0	33.10	183	145
d Perry Barr Reservoir	C. A. Risbridger, Esq., C.E.	SP(42)084953	515	29.0	32.66	195	144
d Nuneaton (Hartshill Sewage Works)	G. Ashton, Esq., C.E. ..	SP(42)330951	288	...	32.26	177	133
d Sutton Coldfield (The Park)	Borough Surveyor ..	SP(42)116964	370	28.2	35.33	182	142

DIVISION VII—NORTH MIDLAND COUNTIES

LEICESTERSHIRE. (Area, 824 sq. mi.)

1.—SEVERN. Upper Avon. 41 sq. mi.							
d South Kilworth (Stanford Reservoir)	Borough Engineer ..	SP(42)596804	367	...	32.06	231	141
d Welford Reservoir	British Waterways ..	SP(42)645811	425	26.6	34.65	238	151
d North Kilworth (Waterworks)	Market Harborough U.D.C.	SP(42)618842	490	26.2	36.16	...	134
d Lutterworth (Waterworks)	Surveyor ..	SP(42)548840	365	26.7	32.74	198	136

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
LEICESTERSHIRE—(contd.)				ft.	in.	in.		
2.—WELLAND. 96 sq. mi.								
d	Market Harborough (Nithsdale Ave.)	Mrs. Heggs	SP(42)735867	230	...	31·61	...	133
d	Market Harborough (N'thampton Rd.)	Market Harborough U.D.C.	SP(42)735870	260	...	31·68	164	113
d	Market Harborough (Coventry Road)	G. C. Wooldridge, Esq. ..	SP(42)727870	270	24·5	29·56	205	125
d	Market Harborough (Grammar Sch.)	Headmaster	SP(42)729879	345	24·3	28·69	189	125
d	Kibworth Harcourt	Major A. E. Briggs	SP(42)682945	408	25·9	29·36	178	135
d	Caldecott (Eye Brook Reservoir) ..	Corby & District Water Co.	SP(42)855943	187	23·7	26·59	161	120
d	CALDECOTT (Pumping Station) (+ A)	Corby & District Water Co.	SP(42)864932	174	...	25·46	161	117
3.—WITHAM. 7 sq. mi.								
4.—TRENT. Right Bank Tributaries. 680 sq. mi.								
d	Frolesworth	W. P. Widdowson, Esq. ..	SP(42)506903	370	25·6	32·31	214	136
d	Hinckley (Bowling Green Road) ..	S. Webster, Esq.	SP(42)434941	400	27·5	33·28	185	145
d	Hinckley (Woodland Road)	L. L. Muston, Esq.	SP(42)463944	400	...	32·16	188	138
d	Wistow Hall Gardens	Lord Cottesloe, C.B. ..	SP(42)642957	309	25·5	29·63	161	132
d	Countesthorpe (Wigston Sewage Fm.)	Surveyor	SP(42)597968	257	25·0	29·45	191	133
d	Leicester (Stoughton Drive North) ..	M. Murray, Esq.	SK(43)609031	240	25·5	28·56	195	130
d	Leicester (De Montfort Square) (+ A)	City Engineer	SK(43)593037	250	24·1	25·97	180	119
d	†Leicester (Woodville Road)	E. A. Bonser, Esq.	SK(43)569043	200	25·2	27·93	207	123
d	LEICESTER (TOWERS Hospital)	Management Committee ..	SK(43)623042	266	26·4	31·33	207	141
d	Leicester (Gilroes Cemetery)	City Engineer	SK(43)562064	294	26·9	28·20	184	129
d	Osbaston Hall	Sir Thomas Cope, Bart. ..	SK(43)425045	390	27·9	31·71	198	140
d	Lowesby Hall Gardens	Head Gardener	SK(43)723076	500	26·4	26·91	158	113
d	Thornton Reservoir	Leicester Waterworks ..	SK(43)473072	370	28·4	30·67	179	133
d	Cropston Reservoir	Leicester Waterworks ..	SK(43)549114	245	28·9	31·76	241	150
d	Barkby Hall	Victor R. Pochin, Esq. ..	SK(43)637098	227	26·3	27·29	185	124
d	Melton Mowbray (Somerby Grove) ..	R. J. Oliver, Esq.	SK(43)774105	601	...	32·34	205	141
d	Ulverscroft	D. S. Gimson, Esq.	SK(43)496118	640	30·6	33·37	218	144
d	Netherseal (Chilcote)	R. A. Robertson, Esq., C.E.	SK(43)284103	240	...	31·74	193	139
d	Swithland Reservoir	Leicester Waterworks ..	SK(43)556148	171	28·0	32·00	208	142
d	Melton Mowbray (White Lodge) ..	H. K. Barker, Esq.	SK(43)756187	237	25·0	27·99	188	143
d	Charnwood For. (Blackbrook Res.)(+ A)	Borough Surveyor	SK(43)457178	379	27·9	30·60	...	141
d	Loughborough (Nanpantan Res.)(+ A)	Borough Surveyor	SK(43)508171	269	28·1	31·39	181	138
d	Loughborough (Fairmount Drive) ..	B. N. Wale, Esq., B.Sc. ..	SK(43)520186	210	26·2	28·38	191	126
d	Prestwold Hall Gardens	Head Gardener	SK(43)579215	209	26·4	34·25	...	...
d	Scalford	Melton Mowbray U.D.C. ..	SK(43)764241	343	27·3	33·59	...	...
d	Waltham-on-the-Wolds	V. E. Higgins, Esq.	SK(43)804252	570	25·5	31·36	193	132
RUTLAND. (Area, 152 sq. mi.)								
1.—WELLAND. 125 sq. mi.								
d	Uppingham (Seaton Mill)	Welland River Board	SP(42)908977	150	23·5	26·68	163	122
d	Ketton	Mrs. K. Burroughes	SK(43)984044	106	23·7	27·69	195	131
d	Oakham	County Agricul. Committee*	SK(43)863085	350	24·7	27·28	138	104
2.—WITHAM. 5 sq. mi.								
3.—TRENT. Right Bank Tributaries. 22 sq. mi.								

† Gauge moved to Ainsdale Rd. 1.8.58.

* Per Welland River Board.

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
LINCOLNSHIRE. (Area, 2,645 sq. mi.)				ft.	in.	in.		
1.—NENE. 99 sq. mi.								
D	Tydd (North Level Sluice)	.. Mr. S. Watson	TF(53)467181	10	23.8	31.96	222	136
D	Sutton St. James (Clifton's Bridge)	.. S. Holland Drainage Board	TF(53)380189	8	...	27.68	...	122
d	Sutton Bridge	.. S. Holland Drainage Board	TF(53)476200	21	22.9	29.08	167	142
d	Sutton Bridge (Wingland Grange)	.. A. H. Cooke, Esq.	TF(53)517220	12	20.6	25.78	...	...
D	Spalding (Weston St. Mary)	.. S. Holland Drainage Board	TF(53)275184	10	21.1	26.23	168	114
2.—WELLAND. 341 sq. mi.								
d	Stamford (St. George's Square)	.. Dr. E. C. Till	TF(53)030071	90	...	25.53	...	108
D	Market Deeping (Wilsthorpe)	.. L. H. Robjohn, Esq., M.B.E.	TF(53)081149	51	22.2	24.59	177	110
D	Deeping St. Nicholas	.. T. R. Pick, Ltd.	TF(53)213157	13	22.2	29.35	162	123
D	Spalding (Pode Hole)	.. S. Holland Drainage Board	TF(53)214220	12	23.7	31.39	236	127
D	Spalding (Grammar School)	.. Headmaster	TF(53)246222	13	...	27.64	160	112
D	Spalding	.. Welland River Board	TF(53)250228	15	...	27.51	177	113
D	Bourne (Guthram)	.. L. I. Clark, Esq., C.E. ..	TF(53)171225	15	29.9	28.53	164	127
D	Whaplode (Irby Hall Farm)	.. T. R. Pick, Ltd.	TF(53)324224	11	...	28.03	143	124
D	Holbeach (Manor Farm)	.. F. H. Bowser, Esq.	TF(53)355242	10	22.0	27.63	164	128
D	Holbeach (Willow Tree Farm)	.. F. H. Bowser, Esq.	TF(53)391322	10	...	25.11	153	116
D	Corby (Irnham Hall)	.. Welland River Board	TF(53)024267	200	24.5	30.96	170	137
3.—WITHAM & C. 1,085 sq. mi.								
D	Gunby	.. Corby & Dist. Water Co. ..	SK(43)899218	443	...	29.50	179	125
D	Denton	.. Culverthorpe Dairy Farms ..	SK(43)866325	300	24.2	31.94	183	140
d	Billingborough	.. N. Hodgkinson, Esq.	TF(53)112342	50	24.2	30.06	...	116
D	Grantham (Saltersford Pump. Stn.)	.. Manager	SK(43)926334	188	24.7	29.22	200	131
D	Kirton	.. W. Dennis & Sons, Ltd. ..	TF(53)302380	12	23.8	27.64	160	128
D	Culverthorpe Hall	.. Lt.-Col. F. E. S. Bowlby, M.C.	TF(53)022402	116	23.8	30.18	172	138
D	Wyberton (Tytton Hall)	.. L. I. Clark, Esq., C.E. ..	TF(53)329417	10	24.0	27.76	173	130
D	Wyberton (Slippery Gowt Farm)	.. J. T. Cannon, Esq.	TF(53)341415	10	...	27.42	178	128
D	Boston (Black Sluice, Skirbeck)	.. F. H. Tomes, Esq.	TF(53)325428	11	24.1	26.62	177	119
D	Boston (Cooks Lock)	.. L. I. Clark, Esq., C.E. ..	TF(53)313432	11	...	26.88	189	123
D	Boston (Church Rd. Pump. Stn.) (+ A)	.. Borough Surveyor	TF(53)335435	8	23.8	26.41	177	119
D	BOSTON (Freiston Road)	.. N. H. Middlebrook, Esq. ..	TF(53)339441	16	24.3	27.50	185	133
D	Boston (Grand Sluice)	.. F. H. Tomes, Esq.	TF(53)323444	17	23.2	27.94	185	133
D	Boston (Cowbridge)	.. G. E. Buchner, Esq., C.E. ..	TF(53)328472	9	...	26.85	183	126
d	Old Leake (Leverton)	.. G. E. Buchner, Esq., C.E. ..	TF(53)422484	10	22.4	25.59	166	134
D	CRANWELL Airfield	.. (+ A) Meteorological Office ..	TF(53)003494	203	23.5	26.86	183	130
D	Carrington (Hakerley Bridge Farm)	.. T. R. Pick, Ltd.	TF(53)321529	12	23.0	27.64	190	139
d	Ruskington	.. B. E. Brighton, Esq.	TF(53)083506	30	...	26.82	...	...
d	Sibsey (Main Road)	.. T. H. Allewell, Esq.	TF(53)352522	20	23.9	30.00	187	135
D	New Leake (Lade Bank Engine)	.. G. E. Buchner, Esq., C.E. ..	TF(53)379545	13	22.3	26.54	180	135
D	Carrington Grange	.. J. Ward, Esq.	TF(53)312545	15	...	28.99	153	132
D	East Kirkby Manor	.. Capt. R. S. Fieldsend	TF(53)335618	35	25.6	28.21	194	138
D	Revesby Reservoir	.. D. H. Ball, Esq.	TF(53)303634	124	26.3	29.09	188	141
D	Woodhall Spa (Waterworks)	.. Clerk to the Council	TF(53)222617	45	23.3	30.31	148	133
D	WADDINGTON Airfield	.. (+ A) Meteorological Office ..	SK(43)984650	224	...	29.20	179	127
D	Potterhanworth (Old Hall)	.. T. H. N. Battle, Esq.	TF(53)055663	50	...	30.58	198	143
D	Southrey	.. Lincolnshire River Board ..	TF(53)140664	20	...	27.62	176	137
D	Horncastle	.. F. J. Harvey, Esq.	TF(53)252695	120	25.6	29.64	186	129
D	HORNCASTLE (Edlington Hall)	.. R. J. Blakeborough, Esq. ..	TF(53)233714	205	...	30.63	218	131
D	Lincoln (Brant Road)	.. Messrs. Pennell & Sons, Ltd.	SK(43)963666	34	23.6	28.29	185	127
D	Bardney (Sugar Factory)	.. British Sugar Corpn., Ltd. ..	TF(53)113688	17	23.5	29.80	179	139

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
LINCOLNSHIRE—(contd.)				ft.	in.	in.		
3.—WITHAM & C.—(contd.)								
D	Lincoln (Skellingthorpe Hall)	.. Mrs. Bergne-Coupland ..	SK(43)930715	40	24.1	29.66	176	131
D	LINCOLN (West Common)	.. (+ A) City Engineer & Surveyor ..	SK(43)962719	25	...	28.10	194	132
D	Lincoln (Reepham)	.. Miss A. M. Scorer ..	TF(53)040737	60	...	29.19	188	127
D	Baumber (The Old Vicarage)	.. T. B. Harrison, Esq. ..	TF(53)222740	200	...	30.65	209	141
D	Lincoln (Saxilby)	.. J. Barnatt, Esq., C.E. ..	SK(43)897754	25	24.4	29.27	179	133
D	Dunholme (Field Station)	.. Dr. R. Hull ..	TF(53)004779	100	22.7	30.86	199	135
D	Hackthorn Hall	.. Lt.-Col. Sir W. Cracroft-Amcotts ..	SK(43)991824	102	24.4	29.67	210	142
4.—GREAT EAU & C. 443 sq. mi.								
D	Eastville	.. G. E. Buchner, Esq., C.E. ..	TF(53)404603	3	22.1	25.52	163	131
D	Skegness (Marine Gardens)	.. Surveyor ..	TF(53)569631	15	22.4	27.63	186	126
D	Hagworthingham (Manor House)	.. G. W. Clark, Esq. ..	TF(53)347690	200	25.6	29.03	185	135
D	Spilsby (Fordington Waterworks)	.. D. H. Ball, Esq. ..	TF(53)416716	180	...	31.58	196	142
D	Chapel St. Leonards (Pumping Stn.)	.. Alford Drainage Board ..	TF(53)559729	10	22.2	27.82	175	130
d	Strubby Airfield	.. Meteorological Office ..	TF(53)445806	42	...	28.65	...	...
D	Withern (Pumping Station)	.. Alford Drainage Board ..	TF(53)434824	32	...	30.62	...	130
D	MANBY Airfield	.. (+ A) Meteorological Office ..	TF(53)391869	55	22.7	28.19	187	126
D	Wold Newton Manor	.. Parsons Wright, Esq. ..	TF(53)242970	230	27.5	35.04	196	142
D	Grainthorpe (County School)	.. Headmaster ..	TF(53)382963	9	23.1	29.47	193	146
D	North Cotes	.. Raymond Caudwell, Ltd. ..	TA(54)348004	10	23.7	27.26	...	...
5.—HUMBER. Right Bank Tributaries. 428 sq. mi.								
D	Claxby (Osgodby)	.. Lincolnshire River Board ..	TF(53)077926	70	...	26.88	205	134
d	Brigg (Scawby Hall)	.. Col. O. S. Nelthorpe, C.B.E. ..	SE(44)968056	40	...	29.26	186	136
D	Brigg (Sugar Factory)	.. British Sugar Corpn. Ltd. ..	SE(44)989061	134	24.1	27.49	196	132
D	Brigg (Wrawby Road)	.. A. R. Haynes, Esq. ..	TA(54)006074	22	24.4	26.84	182	129
D	Cleethorpes (Outfall Pumping Stn.)	.. Borough Engineer ..	TA(54)321072	25	22.2	26.86	168	134
D	Cleethorpes (Kings Parade)	.. Borough Engineer ..	TA(54)314079	23	23.4	27.30	177	133
D	Grimsby (Little Coates Pumping Stn.)	.. Engineer & Manager ..	TA(54)254085	14	25.0	30.33	197	139
D	Brocklesby Park	.. Head Gardener ..	TA(54)137114	50	26.6	27.81	187	133
D	Immingham (Compressor Station)	.. Grimsby R.D.C. ..	TA(54)209149	13	23.7	25.98	200	126
D	Normanby	.. Major E. C. R. Sheffield ..	SE(44) 881166	185	25.5	31.00	194	143
D	Ferriby Sluice	.. K. Straw, Esq. ..	SE(44)976211	18	24.1	26.58	178	125
6.—TRENT. Right Bank Tributaries. 172 sq. mi.								
d	Swinderby Airfield	.. Meteorological Office ..	SK(43)888619	49	...	27.87	...	...
d	Woolsthorpe	.. British Waterways ..	SK(43)843353	182	...	28.49	...	...
d	Kirton in Lindsey	.. J. F. Drewery, Ltd. ..	SK(43)934990	82	...	29.13	165	134
D	Messingham (Sewage Works)	.. (+ A) Trent River Board ..	SE(44)875058	14	...	25.91	192	128
D	Torksey (Pumping Station)	.. H. G. Fryer, Esq. ..	SK(43)836780	16	22.9	27.71	168	127
D	Gate Burton Hall	.. Mr. G. Hancock ..	SK(43)838831	97	23.4	28.22	167	135
7.—TRENT. Left Bank Tributaries. 77 sq. mi.								
D	Wroot (S. Level Pumping Station)	.. Trent River Board ..	SE(44)732017	7	22.9	28.78	158	129
D	Wroot (Candy Farm Pump. Stn.)	.. Trent River Board ..	SE(44)698030	3	...	29.30	187	136
D	West Butterwick (Glen Howe)	.. A. Bradshaw, Esq. ..	SE(44)835065	20	24.7	27.53	176	144
d	Crowle (N. Level Pumping Station)	.. Trent River Board ..	SE(44)749098	10	23.6	24.84	...	...
D	Keadby (Pumping Station)	.. Trent River Board ..	SE(44)835112	20	24.6	27.52	204	135

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
NOTTINGHAMSHIRE. (Area, 843 sq. mi.)				ft.	in.	in.		
1.—WITHAM. 10 sq. mi.								
2.—TRENT. Right Bank Tributaries. 218 sq. mi.								
D	SUTTON BONINGTON	Univ. of Nottingham, Sc. of Ag.	SK(43)503262	157	22.9	26.98	178	126.
D	LANGAR (Airfield)	Meteorological Office ..	SK(43)735337	106	...	24.58	182	122
d	¶ Nottingham (Wilford Hill Reservoir)	B. W. Davies, Esq., C.E. ..	SK(43)579351	295	...	28.90	...	...
d	¶ Cotgrave Reservoir	B. W. Davies, Esq., C.E. ..	SK(43)667349	317	...	26.73	...	...
d	West Bridgford	Engineer & Surveyor ..	SK(43)592372	80	24.3	28.75	145	109
d	Syerston Airfield	Meteorological Office ..	SK(43)729477	208	...	30.06	...	...
d	Newark (The Friary)	W. P. Shewell, Esq., C.E. ..	SK(43)802540	48	24.0	30.28	...	132.
3.—TRENT. Derwent. 2 sq. mi.								
4.—TRENT. Erewash. 42 sq. mi.								
D	Nottingham (Strelley)	Miss Edge	SK(43)508418	396	26.9	31.70	203	139.
D	Nottingham (STRELLEY Hall) ..	Miss Edge	SK(43)507421	378	26.8	31.92	202	141
D	Eastwood (Waterworks)	B. W. Davies, Esq., C.E. ..	SK(43)460468	243	...	34.07	195	154
d	Eastwood Hall	National Coal Board ..	SK(43)462477	240	27.8	33.27	...	...
D	Eastwood (Moorgreen Reservoir) ..	British Waterways	SK(43)468474	301	28.3	34.60	174	138.
5.—TRENT. Left Bank Tributaries. 569 sq. mi.								
d	Beeston (Standards Laboratory) ..	Boots Pure Drug Co. ..	SK(43)542364	85	25.2	29.37	...	...
D	Beeston (Sewage Farm)	G. C. Hardy, Esq.	SK(43)541364	97	...	28.19	167	133.
D	Beeston (Bramcote Drive)	H. E. Sansom, Esq. ..	SK(43)523373	149	27.6	35.39?	220	144
d	¶ Bramcote Reservoir	B. W. Davies, Esq., C.E. ..	SK(43)507375	327	25.4	32.48	192	137
D	Lenton (Experimental Station) ..	Boots Pure Drug Co. ..	SK(43)573381	160	24.8	29.98	183	130.
D	Nott'gham (Sneinton Pump. Stn.) (+ A)	City Engineer & Surveyor ..	SK(43)592393	83	24.0	28.37	193	133.
D	NOTTINGHAM (The Castle)	City Engineer & Surveyor ..	SK(43)568395	192	24.2	27.67	168	131
d	Nottingham (Colwick Sugar Factory)	British Sugar Corp'n. Ltd. ..	SK(43)617341	70	23.6	29.32	...	...
d	Nottingham (Colwick Hill Reservoir)	B. W. Davies, Esq., C.E. ..	SK(43)596399	314	24.2	27.84	...	...
d	Nottingham (Colwick Home Sluices)	Trent River Board	SK(43)615393	75	...	26.20	166	122.
D	Nottingham (Stoke Bardolph) ..	City Engineer & Surveyor ..	SK(43)647416	66	...	29.76	167	135
D	Nottingham (Basford Waterworks) ..	B. W. Davies, Esq., C.E. ..	SK(43)565429	168	25.4	30.36	200	135
D	¶ Burton Joyce (Waterworks)	B. W. Davies, Esq., C.E. ..	SK(43)654443	65	...	30.51	194	135.
D	Nottingham (Woodthorpe)	A. B. Tinn, Esq., F.R.Met.S.	SK(43)580440	225	26.5	30.56	215	140.
D	Lambley Pumping Station	B. W. Davies, Esq., C.E. ..	SK(43)627451	204	...	30.08	196	126.
d	Daybrook (Ramsdale Hill Reservoir)	B. W. Davies, Esq., C.E. ..	SK(43)596483	503	27.5	33.18	...	...
D	Bulwell Hall Park	City Engineer & Surveyor ..	SK(43)532468	252	27.3	34.41	186	140.
D	WATNALL (+ A)	Meteorological Office ..	SK(43)506454	366	27.2	32.16	195	137
D	¶ Oulton Reservoir	B. W. Davies, Esq., C.E. ..	SK(43)649518	413	...	31.06	205	133
D	Papplewick (Waterworks)	B. W. Davies, Esq., C.E. ..	SK(43)583521	317	27.5	34.17	209	148.
D	Southwell (The Nurseries)	H. Merryweather & Sons Ltd.	SK(43)697542	125	26.4	31.84	198	134
d	Blidworth (Silverland Farm)	G. H. Milner, Esq. ...	SK(43)563554	400	28.5	33.11	...	...
D	Sutton-in-Ashfield (Rushley Pump.Stn.)	P. W. Berridge, Esq. ..	SK(43)547578	425	29.5	32.39	184	137
D	Sutton-in-Ashfield (Sewage Wks.) (+ A)	A. G. Dunks, Esq.	SK(43)510595	455	28.9	33.88	212	143
D	Mansfield (Rainworth Waterworks) ..	Engineer & Manager ..	SK(43)587586	349	27.1	32.69	197	136.
D	Bilsthorpe (Rufford Pumping Station)	B. W. Davies, Esq., C.E. ..	SK(43)632611	276	26.1	34.45	215	139
D	MANSFIELD (Carr Bank)	Borough Surveyor	SK(43)543618	257	27.5	33.02	192	148

¶ Gauge over-sheltered.

¶ Gauge over-exposed.

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958			
				National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more	
NOTTINGHAMSHIRE—(contd.)					ft.	in.	in.			
5.—TRENT. Left Bank Tributaries—(contd.)										
D	Clipstone (Waterworks)	.. ..	Engineer & Manager	..	SK(43)603643	228	25·5	33·03	199	144
d	Edwinstowe (Laboratory)	.. ..	National Coal Board	..	SK(43)624671	215	25·2	31·73	...	...
D	Ollerton (Boughton Waterworks)	.. ..	B. W. Davies, Esq., C.E.	..	SK(43)667692	141	24·8	30·69	168	140
D	WARSOP (GLEADTHORPE E.H. FARM)	..	Director	.. ..	SK(43)591699	150	23·1	30·65	192	126
D	Carburton (Pumping Station)	.. ..	Wellbeck Estates Co. Ltd.	..	SK(43)594722	140	...	30·34	179	135
D	Tuxford (Lound Hall)	.. ..	Mr. C. W. Holliday	..	SK(43)700731	50	24·5	29·86	176	121
D	Elkesley (Pumping Station)	.. ..	Lincoln Waterworks	..	SK(43)664760	120	24·3	29·43	172	118
D	Worksop (Bracebridge Sewage Works)	..	C. O. Allsopp, Esq.	..	SK(43)597790	97	24·8	27·48	173	125
D	Worksop (Sunnyside Waterworks)	..	C. O. Allsopp, Esq.	..	SK(43)589806	245	24·8	30·30	180	132
D	Retford (Sewage Disposal Works)	..	Borough Surveyor	..	SK(43)706827	74	...	28·05	210	127
D	Retford (Babworth Hall)	.. ..	Major Sir James Whitaker	..	SK(43)587811	98	23·1	31·86	196	136
D	Worksop (Wigthorpe Hill)	.. ..	R. C. P. Ramsden, Esq.	..	SK(43)594835	100	24·2	30·11	179	124
D	Gringley on the Hill	.. ..	G. H. Simmons, Esq.	..	SK(43)734909	203	...	29·16	186	141
D	FINNINGLEY Airfield	.. ..	Meteorological Office	..	SK(43)658995	34	22·3	27·58	180	133
6.—OUSE. Don. 2 sq. mi.										
DERBYSHIRE. (Area, 1,017 sq. mi.)										
1.—MERSEY, UPPER. 93 sq. mi.										
M	Buxton (Cat and Fiddle Inn)	.. ..	Stockport Corp. W.W.	..	SK(43)005717	1610	54·3	68·55	...	...
M	§Buxton (Berry Clough)	.. ..	Stockport Corp. W.W.	..	SK(43)029727	1550	54·6	64·51	...	...
D	§Buxton (Goytsclough)	.. ..	Stockport Corp. W.W.	..	SK(43)011733	1175	55·8	64·34	226	203
D	§Buxton (Goytshead)	.. ..	Stockport Corp. W.W.	..	SK(43)012748	925	52·5	62·15	226	200
M	§Buxton (Longhill)	.. ..	Stockport Corp. W.W.	..	SK(43)031752	1390	51·4	59·88	...	...
D	§Fernilee (Upper Hall)	.. ..	Stockport Corp. W.W.	..	SK(43)017771	940	46·3	56·13	228	199
D	§Taxal (Oldfield)	.. ..	Stockport Corp. W.W.	..	SK(43)012777	820	47·6	58·89	228	199
M	§Taxal (Blackhillgate)	.. ..	Stockport Corp. W.W.	..	SJ(33)997787	1190	44·2	51·40	...	...
D	CHAPEL-EN-LE-FRITH	.. ..	Ferodo Ltd.	.. ..	SK(43)057809	728	43·2	49·65	222	182
M	§Hayfield (Dimpus Clough)	.. ..	Stockport Corp. W.W.	..	SK(43)065851	1250	...	53·90	...	...
	§Hayfield (Upper Sett)	.. ..	Stockport Corp. W.W.	..	SK(43)074855	1420	50·0	59·78	...	...
M	§Hayfield (Oaken Clough)	.. ..	Stockport Corp. W.W.	..	SK(43)064860	1250	...	50·35	...	...
M	§Hayfield (Tunstead Clough)	.. ..	Stockport Corp. W.W.	..	SK(43)060867	1125	...	50·82	...	...
D	§Hayfield (Kinder Filters)	.. (+ A)	Stockport Corp. W.W.	..	SK(43)054880	800	46·2	51·92	226	183
M	§Hayfield (Upper Moor)	.. ..	Stockport Corp. W.W.	..	SK(43)067879	1362	50·7	55·60	...	...
D	§Hayfield (Hollin Head)	.. ..	Stockport Corp. W.W.	..	SK(43)064883	950	51·1	56·71	226	195
D	Glossop Waterworks (Swineshaw)	.. ..	Borough Surveyor	..	SK(43)044958	733	43·8	46·66	232	191
M	§Torside (Clough Edge)	.. ..	Manchester Corp. W.W.	..	SK(43)066970	1452	56·3	59·12	...	...
M	§Bleaklow Hill (Dowstone Rocks)	.. ..	Manchester Corp. W.W.	..	SK(43)093979	1718	59·7	62·92	...	...
2.—MERSEY. Weaver. 2 sq. mi.										
3.—TRENT. Right Bank Tributaries. 68 sq. mi.										
d	Church Gresley (Maurice Lea Park)	.. ..	Swadlincote U.D.C.	..	SK(43)305189	400	25·9	28·82	...	127
d	Repton (Greenshot)	.. ..	Miss M. W. Bromley	..	SK(43)302267	230	25·4	28·75	...	...
D	Stanton-by-Bridge (Waterworks)	.. ..	Long Eaton U.D.C.	..	SK(43)375272	144	26·6	31·67	213	141

§ Turf wall round gauge.

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
		National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
DERBYSHIRE—(contd.)			ft.	in.	in.		
4.—TRENT. Dove. 156 sq. mi.							
D Tutbury (Foston)	Trent River Board	SK(43)219310	178	...	34.55	214	153
D Cubley (Pumping Station)	Trent River Board	SK(43)171380	362	...	34.56	213	149
d Rodsley (Pumping Station)	Engineer	SK(43)194401	415	31.3	37.98	...	...
D Brailsford (Shirley House)	Major F. D. Ley	SK(43)215418	425	...	34.66	186	135
5.—TRENT. Left Bank Tributaries. 84 sq. mi.							
D SHARDLOW HALL	Provincial Director, N.A.A.S.	SK(43)438306	110	...	30.64	203	134
D Etwall (Blakeley Lodge)	C. H. Hawley, Esq.	SK(43)268304	189	25.9	29.19	181	131
D Etwall (Sewage Farm)	Boro. Engineer & Surveyor	SK(43)274298	201	26.7	30.93	198	155
D Chesterfield (Whaley Well)	Engineer & Manager	SK(43)509718	337	25.7	31.50	199	133
6.—TRENT. Derwent. 426 sq. mi.							
D Draycott (Cleveland Avenue)	M. C. Mear, Esq.	SK(43)440333	130	...	29.32	171	132
D Derby (Osmaston) (+ A)	Borough Engineer	SK(43)363328	210	...	29.46	175	143
D Spondon (Derby Sewage Wks.) (+ A)	Borough Engineer, Derby	SK(43)389351	135	26.2	29.33	180	140
D Derby (Park Grove)	J. Davis & Son, Ltd.	SK(43)345374	198	28.2	34.17	200	155
d Derby (Railway)	British Railways	SK(43)365349	156	26.9	31.79	...	...
D Derby (Royal Infirmary)	I. W. Owen, Esq.	SK(43)357355	211	28.8	32.74	214	154
D DERBY (Corpn. Highway Depot)	Borough Engineer	SK(43)359367	159	...	31.14	182	143
D Derby (Markeaton Park)	Borough Engineer	SK(43)331377	190	28.7	35.04	196	150
D Breadsall Priory	E. S. Haslam, Esq.	SK(43)381414	370	28.4	33.29	186	151
D MORLEY (Derbyshire Farm Inst.)	Warden	SK(43)385401	350	29.5	32.27	183	152
D Duffield (The Kirkstyles)	J. Davis & Son, Ltd.	SK(43)334431	236	32.6	36.51	190	167
D BELPER (Herbert Strutt School)	Headmaster	SK(43)346468	203	28.8	31.21	...	...
D Ambergate Reservoir No. 61	Derwent Valley Water Bd.	SK(43)350526	646	34.5	40.59	185	160
D WIRKSWORTH (West End)	Alan D. G. Smith, Esq.	SK(43)285538	560	35.5	41.43	216	166
D Wirksworth (Wash Green)	Water Superintendent	SK(43)295538	738	33.6	38.84	191	155
D Whatstandwell (Meerbrook Sough)	Ilkeston & Heanor Water Bd.	SK(43)325555	245	33.8	39.09	201	161
D Brackenfield (Lindway Reservoir)	F. P. Walters, Esq.	SK(43)357584	595	33.1	37.56	223	161
D Clay Cross (Press Reservoirs)	P. Hothersall, Esq., M.B.E.	SK(43)354657	810	32.7	38.36	193	159
D Moneyash Rectory	Trent River Board	SK(43)152664	884	...	48.24	225	176
D Chatsworth Gardens	Head Gardener	SK(43)262701	436	32.6	39.15	237	162
w Buxton (Portobello Bar)	Borough Engineer	SK(43)032712	1600	54.9	68.30	...	...
D Buxton (Stanley Moor)	Borough Engineer	SK(43)041712	1340	53.3	65.83	240	199
w Buxton (Burbage Edge)	Borough Engineer	SK(43)035728	1400	54.9	63.09	...	...
D BUXTON (Terrace Slopes)	Town Clerk	SK(43)059738	1007	48.5	56.81	239	188
Buxton (Green Fairfield)	No. 115 Derwent Valley Water Board	SK(43)087747	1120	45.4	53.67	...	...
Wormhill (Hargate Wall)	No. 109 Derwent Valley Water Board	SK(43)117752	1140	44.0	53.86	...	...
Tideswell	No. 111 Derwent Valley Water Board	SK(43)149752	1000	40.3	48.43	...	...
Tideswell (Wheston)	No. 112 Derwent Valley Water Board	SK(43)129768	1140	42.1	55.75	...	...
Tideswell (Stanley Lodge)	No. 114 Derwent Valley Water Board	SK(43)175763	910	...	45.99	...	...
Peak Forest (Middle Hill)	No. 104 Derwent Valley Water Board	SK(43)102772	1080	...	51.90	...	...
Buxton (Dove Holes)	No. 103 Derwent Valley Water Board	SK(43)073777	1095	...	53.94	...	...
D Peak Forest	No. 100 Derwent Valley Water Board	SK(43)111792	1050	44.6	53.76	231	190
Peak Forest (Eldon Hill)	No. 113 Derwent Valley Water Board	SK(43)121806	1350	46.4	55.13	...	...
Bradwell (Paradise Farm)	No. 108 Derwent Valley Water Board	SK(43)162811	1060	45.1	52.95	...	...
Castleton (Rowter Farm)	No. 105 Derwent Valley Water Board	SK(43)132820	1395	...	55.02	...	...
Rushup Edge	No. 101 Derwent Valley Water Board	SK(43)103824	1245	49.6	59.29	...	...
D Bamford (Engineer's Office)	No. 60 Derwent Valley Water Board	SK(43)202829	509	39.8	47.73	220	177
d Bamford Filters	No. 70A Derwent Valley Water Board	SK(43)212830	660	40.2	44.32	226	172
d Grindleford (The Grange)	C. A. Whittington-Smith, Esq.	SK(43)242779	550	...	40.88	...	...

§ Turf wall round gauge.

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
DERBYSHIRE—(contd.)				ft.	in.	in.		
6.—TRENT. Derwent—(contd.)								
	Holmesfield (White Edge)	.. .. Sheffield Corporation W.W.	SK(43)264786	1209	...	44.17	...	...
D	Burbage (Lower Burbage)	.. (+ A) Sheffield Corporation W.W.	SK(43)258802	924	37.1	42.85	243	156
D	Hope (Cement Works)	.. .. G. & T. Earle, Ltd. . . .	SK(43)168822	580	...	48.18	221	168
	Mam Nick	.. .. No. 98 Derwent Valley Water Board	SK(43)123837	1368	49.5	56.05	...	...
	Dalehead	.. .. No. 97 Derwent Valley Water Board	SK(43)101841	1030	52.6	61.46	...	...
	Stanage (Redmires) Check	.. .. Sheffield Corporation W.W.	SK(43)248840	1395	...	49.29	...	...
d	Bamford (Yorkshire Br. Weir)	No. 59B Derwent Valley Water Board	SK(43)198850	560	41.3	47.99	(216)	(170)
d	Edale Mill	.. .. No. 84 Derwent Valley Water Board	SK(43)134854	725	50.0	52.77	207	184
	Upper Booth	.. .. No. 85 Derwent Valley Water Board	SK(43)104854	950	49.9	60.74	...	...
	Jacob's Ladder	.. .. Derwent Valley Water Board	SK(43)090860	1115	59.8	69.38	...	...
	Edale End	.. .. No. 83 Derwent Valley Water Board	SK(43)162863	632	45.1	47.95	...	...
	Grindslow	.. .. No. 94 Derwent Valley Water Board	SK(43)119867	940	55.7	56.55	...	...
	Crook Hill	.. .. No. 92 Derwent Valley Water Board	SK(43)185870	1100	47.5	50.64	...	...
	Ladybower	.. .. No. 73 Derwent Valley Water Board	SK(43)205869	985	45.9	50.85	...	...
w	Grimbocar	.. .. No. 90 Derwent Valley Water Board	SK(43)172872	700	50.0	52.43	...	...
	Hagg Farm	.. .. No. 81 Derwent Valley Water Board	SK(43)160885	700	51.0	54.24	...	...
D	Fairholmes (Nursery)	.. No. 26A Derwent Valley Water Board	SK(43)173893	685	50.7	54.88	234	192
	Middle Seal Clough	.. No. 79B Derwent Valley Water Board	SK(43)111897	1320	64.4	64.60	...	...
	§Nether Red Clough	.. No. 78 Derwent Valley Water Board	SK(43)084903	1370	61.1	65.23	...	...
w	Mill Brook	.. .. Derwent Valley Water Board	SK(43)188894	770	48.6	51.66	...	...
	§Ashop Head	.. No. 43A Derwent Valley Water Board	SK(43)068907	1670	...	67.07	...	...
	Ouzelden Clough	.. No. 75 Derwent Valley Water Board	SK(43)160907	885	53.5	58.80	...	...
	§Urchin Clough	.. No. 88 Derwent Valley Water Board	SK(43)101908	1190	...	61.41	...	...
	Alport Moor (Alport Castles)	No. 82 Derwent Valley Water Board	SK(43)133919	975	...	64.71	...	...
w	Derwent Dale (Birchinlee)	.. No. 23 Derwent Valley Water Board	SK(43)165918	890	52.9	57.50	...	...
	§Lady Clough Moor	.. No. 41B Derwent Valley Water Board	SK(43)112926	1720	...	67.79	...	...
	§Featherbed Top	.. No. 77 Derwent Valley Water Board	SK(43)089928	1665	...	70.15	...	...
D	Derwent Dale (Howden Dam)	No. 17 Derwent Valley Water Board	SK(43)168924	845	50.6	53.38	245	202
w	§Derwent Dale (Ridge Farm)	No. 13A Derwent Valley Water Board	SK(43)161931	883	55.5	58.64	...	...
	Westend Moor (Blacklow Cote)	No. 15 Derwent Valley Water Board	SK(43)145936	970	55.2	54.96	...	...
	§Alport Moor	.. No. 38B Derwent Valley Water Board	SK(43)106943	1790	66.6	69.41	...	...
	Deep Grain	.. No. 74 Derwent Valley Water Board	SK(43)123951	1360	61.8	60.48	...	...
w	Derwent Dale (Slippery Stones)	No. 62 Derwent Valley Water Board	SK(43)169951	908	52.7	56.41	...	...
	Ronksley Moor	.. No. 86 Derwent Valley Water Board	SK(43)147951	1660	62.2	65.79	...	...
	Broadhead Clough	.. No. 63 Derwent Valley Water Board	SK(43)169962	1010	55.3	56.63	...	...
	Barrow Clough	.. No. 71 Derwent Valley Water Board	SK(43)142976	1330	62.5	65.64	...	...
7.—TRENT. Erewash. 50 sq. mi.								
D	Breaston (Woodland Avenue)	.. F. Cresswell, Esq. . . .	SK(43)469336	115	25.2	31.94	199	140
D	Long Eaton (Town Hall)	.. .. Long Eaton U.D.C. . . .	SK(43)490339	105	...	29.57	179	133
D	Ilkeston (New Stanton)	.. .. Stanton Ironworks Co. Ltd.	SK(43)475386	150	25.3	31.21	186	138
D	Ilkeston (Sewage Works)	.. .. Borough Surveyor	SK(43)482395	132	25.7	30.70	208	138
d	Morley Hall	.. .. C. H. D. Ham, Esq. . . .	SK(43)395411	445	...	29.92	...	141
D	Codnor Park	.. .. British Waterways	SK(43)442517	243	30.5	34.57	181	135
8.—OUSE. Don. 138 sq. mi.								
	Chesterfield (Hunger Hill)	.. .. Engineer and Manager . .	SK(43)329679	643	35.3	41.40	...	...
D	Chesterfield (Whispering Well)	.. .. Engineer and Manager . .	SK(43)332694	575	33.7	39.10	214	164
D	Bolsover Colliery	.. .. Yorkshire Ouse River Board	SK(43)463710	275	29.3	29.68	176	127

§ Turf wall round gauge.

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
		National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
DERBYSHIRE—(contd.)			ft.	in.	in.		
8.—OUSE. Don—(contd.)							
D	CHESTERFIELD School J. North, Esq.	SK(43)384717	298	29.2	34.66	185	140
D	Chesterfield (Lower Linacre Reservoir) Engineer and Manager . .	SK(43)338725	430	33.1	38.14	212	155
D	Chesterfield (Middle Linacre Reservoir) Engineer and Manager . .	SK(43)333726	500	33.9	40.31	212	160
D	Chesterfield (Upper Linacre Filters) . . Engineer and Manager . .	SK(43)339727	521	33.4	39.93	212	156
D	Chesterfield (Sewage Works) Manager	SK(43)392745	225	29.8	36.86	198	140
D	Chesterfield (Crowhole Reservoir) . . P. Hothersall, Esq., M.B.E.	SK(43)321748	605	31.2	38.13	186	156

DIVISION VIII—NORTH-WESTERN COUNTIES

CHESHIRE. (Area, 1,014 sq. mi.)

1.—MERSEY. Upper. 187 sq. mi.

M Nessitt Hill	J. H. Dossett, Esq.	SJ(33)963706	1260	...	49.24	...	...
D Langley (Twelve Ashes)	J. H. Dossett, Esq.	SJ(33)967712	903	42.3	49.57	230	197
D Langley (Trentabank Reservoir) (+A)	J. H. Dossett, Esq.	SJ(33)962712	864	42.1	48.58	230	196
M Standing Stone	J. H. Dossett, Esq.	SJ(33)976715	1220	...	55.04	...	...
D Langley (Bottoms Reservoir)	J. H. Dossett, Esq.	SJ(33)944715	662	37.5	42.22	224	191
D Macclesfield (Leadbeaters Reservoir)	J. H. Dossett, Esq.	SJ(33)926733	579	34.8	39.88	228	179
D MACCLESFIELD (West Park)	J. H. Dossett, Esq.	SJ(33)911741	500	36.3	41.67	228	188
d Rainow (The Clough)	Miss Anna Neave	SJ(33)946759	815	37.1	43.00	...	...
D Nether Alderley	J. H. Shelmerdine, Esq.* ..	SJ(33)843764	329	32.6	38.24	194	175
D Prestbury (Sewage Works) .. (+A)	Mersey River Board	SJ(33)897783	320	32.7	38.35	225	182
D Knutsford	P. Bowles, Esq.	SJ(33)760790	213	33.1	40.90	204	161
d Adlington (Styperson House)	Mersey River Board	SJ(33)929800	500	32.7	40.88	...	...
D Disley (Lyme Park)	Stockport Corp. W.W. ..	SJ(33)971836	674	35.1	38.69	217	173
D Disley (Higher Stoneridge)	Stockport Corp. W.W. ..	SJ(33)975837	750	37.2	41.49	215	179
d Runcorn (Western Point)	British Waterways	SJ(33)495815	30	31.9	33.79	...	...
D Appleton Reservoir (+A)	Warrington Waterworks ..	SJ(33)602845	120	33.0	35.82	221	163
D Moore (Uplands)	Lt.-Com. G. K. Rylands, R.N.	SJ(33)582841	120	...	34.09	220	164
D RINGWAY (MANCHESTER Airport) (+A)	Meteorological Office ..	SJ(33)818850	248	31.6	37.70	215	171
D High Lane (Light Alders Farm)	R. B. Melland, Esq.	SJ(33)964847	675	35.3	40.75	221	178
D Altrincham (Norman's Place)	Miss G. A. Griffiths	SJ(33)764877	150	32.6	36.30	209	178
D Dunham Massey (Sewage Works) (+A)	Mersey River Board	SJ(33)722877	55	31.9	38.72	221	171
D Stockport (Cherry Tree Hospital) ..	Medical Officer of Health ..	SJ(33)915886	285	...	37.39	196	164
D Timperley (Bloomsbury Lane)	P. Newton, Esq.	SJ(33)782886	98	32.8	36.57	210	173
d Gatley (Park Road)	Miss Betty Wyles, B.Sc. ..	SJ(33)838885	150	32.5	38.71	216	177
D Stockport (Cheadle Heath Sew. Wks.)	Borough Surveyor	SJ(33)869898	135	31.1	36.07	214	177
D Stockport (Bredbury Sewage Works)	Bredbury & Romiley U.D.C.	SJ(33)917920	165	...	38.95	208	179
D Sale (Carrington Lane) .. (+A)	Mersey River Board	SJ(33)765928	72	31.8	38.64	222	174
D Sale (Sewage Works)	Manager	SJ(33)768930	58	33.6	40.81	221	177
Godley Reservoir	Manchester Corp. W.W. ..	SJ(33)967954	488	36.9	43.26	233	186
Bottoms Reservoir	Manchester Corp. W.W. ..	SK(43)024973	501	42.3	46.54	230	191
Arnfield Reservoir (+A)	Manchester Corp. W.W. ..	SK(43)012972	512	41.6	45.14	241	193
Rhodes Wood Reservoir	Manchester Corp. W.W. ..	SK(43)042982	545	46.5	50.09	234	195
§Hollingworth Hall (Moor)	Manchester Corp. W.W. ..	SK(43)002984	1194	47.8	45.83	...	...
§Torside Reservoir	Manchester Corp. W.W. ..	SK(43)054985	667	47.1	54.21	240	200
D Stalybridge (Market Ground Yard) ..	M. T. B. Whitson, Esq., C.E.	SJ(33)964983	373	39.8	43.21	216	185
D Stalybridge (Brushes Filter House) ..	M. T. B. Whitson, Esq., C.E.	SJ(33)997982	615	42.8	45.97	230	196

§ Turf wall round gauge.

* Per Cheshire River Board.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
CHESHIRE—(contd.)				ft.	in.	in.		
1.—MERSEY. Upper—(contd.)								
w	Higher Swineshaw	M. T. B. Whitson, Esq., C.E.	SK(43)006996	965	46.3	49.38	...	...
D	Woodhead Reservoir	Manchester Corp. W.W.	SK(43)078993	665	49.6	51.22	233	189
	§Arnfield Moor	Manchester Corp. W.W.	SK(43)033996	1290	53.5	53.37	...	...
	§Crowden (Span Gutter)	Manchester Corp. W.W.	SK(43)058999	1530	56.3	58.27	...	...
	§Pikenaze Moor (Audenshaw Clough) ..	Manchester Corp. W.W.	SE(44)114004	1148	...	56.97	...	...
	§Woodhead (Pikenaze)	Manchester Corp. W.W.	SE(44)098001	926	50.9	51.31	...	...
	§Swineshaw Moor (Boar Flat) ..	Manchester Corp. W.W.	SE(44)020003	1190	52.1	52.86	...	...
	§Westend Moor (Stonefold) ..	Manchester Corp. W.W.	SE(44)086020	1691	61.7	59.59	...	...
	§Withens Moor (West Withens) ..	Manchester Corp. W.W.	SE(44)114022	1382	63.7	61.54	...	...
	§Crowden (Meadow Clough) ..	Manchester Corp. W.W.	SE(44)074025	1425	64.9	66.01	...	...
	§Near Broadslate	Manchester Corp. W.W.	SE(44)055027	1663	65.9	68.89	...	...
	§Longside Moss	Manchester Corp. W.W.	SE(44)131007	1418	61.0	59.80	...	...
	§Upper Heyden	Manchester Corp. W.W.	SE(44)098035	1717	69.8	(68.77)	...	...
	§Grains Moss	Manchester Corp. W.W.	SE(44)068039	1573	65.7	66.13	...	...
2.—MERSEY. Weaver. 489 sq. mi.								
D	Audlem (Westville)	C. Coffin, Esq.*	SJ(33)656432	214	29.9	33.34	208	171
D	Bickerton (Peckforton P.S.) ..	C. V. Brown, Esq., C.E. ..	SJ(33)530553	330	...	37.67	206	170
d	Cholmondeley School	(+ A) Headmaster*	SJ(33)553505	291	30.2	36.05	...	...
D	Nantwich (Baddiley Waterworks) ..	Mid & S.E. Cheshire W. Bd.	SJ(33)604505	231	30.0	35.37	214	163
D	Nantwich (Dorfold Hall)	British Waterways	SJ(33)634524	190	30.5	34.19	218	172
D	Nantwich (Brookfield House) ..	(+ A) Nantwich U.D.C.	SJ(33)651516	130	29.1	32.91	207	162
D	Nantwich (Reaseheath Hall) ..	British Waterways	SJ(33)648542	130	28.9	33.48	213	169
d	Alsager (Radway Green)	Cheshire River Board	SJ(33)776542	257	30.5	36.66	...	...
D	Crewe (Sewage Works)	L. Reeves, Esq., C.E.	SJ(33)685554	125	29.4	32.48	226	168
D	Crewe (Isolation Hospital) ..	Mid & S.E. Cheshire W. Bd.	SJ(33)709566	181	29.1	34.95	230	167
D	Mow Cop (Pumping Station) ..	Mid & S.E. Cheshire W. Bd.	SJ(33)843577	460	31.5	38.83	217	169
D	Sandbach (Pumping Station) ..	Mid & S.E. Cheshire W. Bd.	SJ(33)763610	210	30.0	36.60	211	164
D	§Eaton (Pumping Station)	Mid & S.E. Cheshire W. Bd.	SJ(33)567634	285	32.5	37.08	217	167
D	§Congleton (Sewage Works) ..	(+ A) Borough Surveyor	SJ(33)853635	247	31.1	37.91	217	170
D	Congleton (Buglawton Hall) ..	British Waterways	SJ(33)885644	450	33.6	38.59	222	173
d	Bosley Reservoir	Cheshire River Board	SJ(33)927657	590	34.0	43.10	...	177
d	Bosley Top Lock	British Waterways	SJ(33)905669	500	...	42.92	...	...
D	Wincle	Late J. A. Grantham, Esq. ..	SJ(33)963653	700	...	48.16	232	182
D	Middlewich	I.C.I. (Alkali) Ltd.	SJ(33)709657	138	28.4	33.56	223	166
D	Tarporley (Sandyford Waterworks) ..	Mid & S.E. Cheshire W. Bd.	SJ(33)567667	249	32.4	35.55	244	177
D	Middlewich (Bostock Hall) ..	Manchester Corp.	SJ(33)675684	157	30.6	35.14	215	162
D	Delamere (Linnere)	Forestry Commission	SJ(33)556703	250	32.9	37.18	210	173
D	Cuddington (Merle Wood)	Sir Edwin Cooper Burgis, K.T.	SJ(33)597720	200	32.2	36.70	202	166
d	Northwich (Crabtree Green) ..	Mid & S.E. Cheshire W. Bd.	SJ(33)584711	163	32.6	38.26	...	177
D	Northwich (Weaverham Grange) ..	Mid & S.E. Cheshire W. Bd.	SJ(33)633728	151	31.9	37.62	210	177
D	Northwich (Hunts Lock)	British Waterways	SJ(33)656729	47	31.0	36.32	222	172
D	NORTHWICH (WINNINGTON) ..	I.C.I. (Alkali) Ltd.	SJ(33)643747	65	30.3	34.27	205	169
D	Chelford (Kennel Bank)	A. M. Haworth, Esq.	SJ(33)813741	263	31.1	37.15	206	161
D	Chelford (Snelson House)	R. C. Walsh, Esq.	SJ(33)803747	250	...	36.06	220	166
D	Northwich (Lostock Gralam) ..	I.C.I. (Alkali) Ltd.	SJ(33)682743	75	30.4	33.49	222	175
d	Northwich (Marbury Road) ..	Charles Cooper, Esq.	SJ(33)649764	96	30.6	31.61	...	...
3.—MERSEY. Lower & C. 142 sq. mi.								
D	Mouldsworth (Pumping Station) ..	West Cheshire Water Board	SJ(33)503704	145	30.6	33.43	238	153
D	Manley (Ravelstone)	Mrs. A. Haworth	SJ(33)515722	300	33.0	32.98	165	146

§ Turf wall round gauge.

* Per Cheshire River Board.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
CHESHIRE—(contd.)				ft.	in.	in.		
3.—MERSEY. Lower & C.—(contd.)								
D	Foxhill (Pumping Station)	.. .. Warrington Waterworks	SJ(33)506748	155	30.5	31.10	202	155
D	Ellesmere Port (The Refinery)	.. .. Lobitos Oilfields Ltd.	SJ(33)424759	15	29.0	31.75	192	144
D	Hooton (Waterworks)	.. .. West Cheshire Water Board	SJ(33)351780	97	31.2	35.77	228	166
D	Crosshill Reservoir, new g.	.. .. W. K. Lewis, Esq., C.E.	SJ(33)280842	212	31.2	36.41	208	162
D	Port Sunlight (Oval)	.. .. Lever Bros.	SJ(33)330851	63	32.7	38.97	216	165
D	Prenton (Waterworks)	.. .. West Cheshire Water Board	SJ(33)295864	91	32.3	36.89	194	160
D	Bidston (The Woodlands)	.. .. Peter Stevenson, Esq., M.A.	SJ(33)284893	90	...	40.24	229	166
D	Birkenhead (BIDSTON OBS'Y.)	(+ A) Director	SJ(33)287897	198	29.0	36.27	204	151
4.—DEE. 127 sq. mi.								
D	Bickerton (Tower Wood P.S.)	.. .. C. V. Brown, Esq., C.E.	SJ(33)504540	308	...	38.19	202	175
D	Eaton Hall Gardens	.. .. Mr. G. Miller	SJ(33)415609	60	29.1	36.41	217	160
D	Chester (Sewage Disposal Works)	.. .. Engineer and Surveyor	SJ(33)393667	16	27.4	30.61	191	141
D	Chester (Waterworks)	.. .. Engineer	SJ(33)421665	85	27.3	29.65	196	146
D	Chester (Dicksons Drive)	.. .. M. H. O. Hoddinott, Esq.	SJ(33)409677	64	30.8	33.82	223	153
D	WEST KIRBY (PARK)	.. .. Hoylake U.D.C.	SJ(33)216865	26	30.5	36.76	198	157
SOUTH LANCASHIRE. (Area, 700 sq. mi.)								
1.—ALT & C. 103 sq. mi.								
D	Liverpool (Knotty Ash)	.. .. K. G. Ledson, Esq.	SJ(33)412916	106	...	41.08	207	163
d	Kirby (Estate Works)	.. .. Mersey River Board	SJ(33)400980	48	34.5	38.01	...	...
D	Crosby (Merchant Taylors' School)	.. .. H. Tunley, Esq.	SJ(33)321991	20	...	32.93	194	146
D	Formby (Ince Blundell)	.. .. Mersey River Board	SD(34)322032	36	35.3	39.47	266	164
d	Ormskirk (Bickerstaffe Pumping Stn.)	.. .. N. B. Bennett, Esq., C.E.	SD(34)419036	127	35.5	40.03	220	170
d	Ormskirk (Springfield Pumping Stn.)	.. .. N. B. Bennett, Esq., C.E.	SD(34)388046	69	35.2	39.05	213	164
D	Formby (Hightown)	.. .. (+ A) Mersey River Board	SD(34)294044	25	32.1	35.37	223	156
2.—MERSEY. Lower. 244 sq. mi.								
D	SPEKE (Liverpool Airport)	.. .. (+ A) Meteorological Office	SJ(33)415839	77	30.5	38.00	211	158
D	Halewood (Sewage Works)	.. .. Manager	SJ(33)461854	30	34.1	40.35	213	158
D	Widnes (Laboratory)	.. .. Imperial Chem. Indust., Ltd.*	SJ(33)513842	26	...	34.34	195	159
D	Widnes (Catherine Street)	.. .. Widnes Water Department	SJ(33)513849	30	31.5	34.89	196	159
D	Widnes (Corporation Depot)	.. .. Borough Engineer	SJ(33)507852	24	...	35.29	191	153
D	Liverpool (Smithdown Road)	.. .. Liverpool Corporation	SJ(33)391885	135	34.0	40.99	218	168
D	Great Sankey (Liverpool Road)	(+ A) Mersey River Board	SJ(33)552889	65	32.9	36.08	208	158
D	Cronton (Pex Hill, Old Reservoir)	.. .. Widnes Water Department	SJ(33)502889	228	34.4	37.87	196	168
D	Liverpool (Monument Place)	(+ A) Liverpool Corporation	SJ(33)354907	127	33.0	38.75	205	153
D	Liverpool (Rathbone Road)	.. .. Liverpool Corporation	SJ(33)391907	198	34.7	36.89	205	161
D	Liverpool (Breckside Park)	.. .. Liverpool Corporation	SJ(33)376928	132	...	37.84	205	150
D	Liverpool (Queens Drive)	.. .. Liverpool Corporation	SJ(33)361950	119	35.1	39.82	200	170
D	Warrington (Highways Yard)	.. .. Borough Surveyor	SJ(33)603881	43	33.7	36.23	205	165
D	Winwick (Pumping Station)	.. .. Warrington Waterworks	SJ(33)605931	115	34.2	39.66	211	173
	Prescot	.. .. Liverpool Corpn. W.W.	SJ(33)473936	282	35.6	40.49	...	...
D	St. Helens (Eccleston Hill)	.. .. M. Ward, Esq., C.E.	SJ(33)488941	250	34.4	40.90	218	171
D	St. Helens (Victoria Park)	.. .. Medical Officer of Health	SJ(33)508963	145	...	36.65	195	160

* Per Mersey River Board.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958			
				National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more	
SOUTH LANCASHIRE—(contd.)					ft.	in.	in.			
2.—MERSEY. Lower—(contd.)										
D	Newton le Willows (Vista Avenue)	..	T. Green, Esq.	..	SJ(33)573959	145	...	38.10	235	165
D	St. Helens (Windle Hall)	..	Sir Harry Pilkington	..	SJ(33)500976	160	34.3	36.72	209	166
d	Litherland (Hatton Hill Park)	..	C. Rigby, Esq., C.E.	..	SJ(33)335976	59	31.1	36.56	144	136
D	Leigh (Sewage Works)	..	T. N. Cockcroft, Esq., B.Sc.	..	SJ(33)661993	67	34.4	35.40	198	155
D	Rainford (Rookery Sewage Works)	..	Mersey River Board	..	SJ(33)485999	107	35.2	40.04	208	163
D	Hindley (Platt Bridge Sewage Wks.)	..	Surveyor	..	SD(34)609025	91	37.6	44.91	232	174
d	Atherton (Cemetery)	..	Mersey River Board	..	SD(34)666029	165	38.7	46.87	...	...
3.—MERSEY. Irwell. 299 sq. mi.										
D	Stretford (Longford Park)	..	Stretford U.D.C.	..	SJ(33)807948	85	...	42.14	213	172
D	Manchester (Hullard Park)	..	Stretford U.D.C.	..	SJ(33)823962	100	34.7	43.20	236	176
D	Manchester (Old Trafford)	..	Stretford U.D.C.	..	SJ(33)816961	107	33.9	38.43	196	167
D	Urmston (Davyhulme Sewage Wks.)	..	Manchester Cpn. Rivers Dpt.	..	SJ(33)756962	72	33.6	40.44	204	156
D	Patricroft (Eccles Sewage Works) (+ A)	..	Manager	..	SJ(33)760974	71	34.0	42.32	200	175
D	Salford (Weaste Sewage Works)	..	City Engineer	..	SJ(33)794980	70	35.0	43.80	217	183
D	Swinton (Sewage Works)	..	Engineer & Surveyor	..	SD(34)773003	144	...	45.54	216	184
D	Ashton-under-Lyne (Knott Hill Res.)	..	M. T. B. Whitson, Esq., C.E.	..	SD(34)958014	605	42.1	47.86	237	196
D	Prestwich (Sewage Works)	..	Manager	..	SD(34)800033	150	...	49.05	229	193
	Prestwich Reservoir	..	Manchester Corpn. W.W.	..	SD(34)812032	340	41.7	48.85	228	187
D	Prestwich (Heaton Park)	..	City Surveyor, Manchester	..	SD(34)825043	325	42.4	50.87	234	181
	Prestwich (Heaton Park Reservoir)	..	Manchester Corpn. W.W.	..	SD(34)824047	355	...	49.82	236	191
D	Oldham (Alexander Park)	..	A. L. Hobson, Esq., C.E.	..	SD(34)931039	548	...	49.01	246	192
d	Oldham (Gasworks)	..	C. Busfield, Esq., C.E.	..	SD(34)958066	602	43.5	53.30	...	...
d	Bolton (Hacken Sewage Works)	..	Manager	..	SD(34)737075	182	45.0	48.61	219	187
D	Oldham (Brushes Clough)	..	C. Busfield, Esq., C.E.	..	SD(34)956097	921	49.5	56.41	233	196
D	Royton (Sewage Works)	..	Engineer & Surveyor	..	SD(34)907072	430	...	44.62	226	179
D	BOLTON (Queen's Park) (+ A)	..	Corporation	..	SD(34)705092	342	46.8	49.10	223	183
D	Bolton (Heaton Reservoir)	..	Corporation Waterworks	..	SD(34)687096	500	46.9	53.00	249	191
M	§Bolton W.W. (Harpers Farm)	..	Corporation Waterworks	..	SD(34)668114	872	47.6	57.22	...	...
d	Bolton (Smithhills Hall)	..	Corporation	..	SD(34)700118	510	49.5	56.08	...	...
D	Bury (Sewage Works)	..	G. R. C. Marsden, Esq.	..	SD(34)804079	220	...	48.86	233	180
d	Bury (Elton Reservoir)	..	British Waterways	..	SD(34)792097	294	41.5	48.17	...	...
D	Castleton (Trub Sewage Works)	..	Borough Surveyor	..	SD(34)884097	438	...	46.36	209	185
D	Newhey (Sewage Works)	..	Crompton U.D.C.	..	SD(34)933112	513	45.3	48.13	222	190
D	Milnrow (Piethorne, Kitcliffe)	..	C. Busfield, Esq., C.E.	..	SD(34)961125	766	49.0	56.60	241	199
D	Milnrow (Piethorne, Cold Greave)	..	C. Busfield, Esq., C.E.	..	SD(34)967126	832	49.6	54.73	243	195
D	ROCHDALE (Roch Mills S. Wks.) (+ A)	..	Borough Surveyor	..	SD(34)886129	363	...	46.85	222	183
D	Rochdale (Queensway)	..	(+ A) Rochdale Corporation	..	SD(34)885108	475	44.2	48.95	226	191
D	Bury (Gin Hall)	..	No. 1 Irwell Valley Water Board	..	SD(34)805144	475	47.5	54.51	237	192
D	Bury (Gin Hall)	..	No. 2 Irwell Valley Water Board	..	SD(34)807141	475	47.9	54.40	233	189
D	Bolton W.W. (Springs)	..	No. 2 Corporation Waterworks	..	SD(34)692142	810	59.3	62.60	244	202
vi	Bolton W.W. (Eagley)	..	No. 4 Corporation Waterworks	..	SD(34)703148	546	59.0	60.75	...	...
D	Turton (Turton Tower)	..	Turton U.D.C.	..	SD(34)731153	584	54.8	57.62	242	188
M	§Bolton W.W. (Hordern)	..	Corporation Waterworks	..	SD(34)664153	1160	58.3	61.10	...	...
D	§Bolton W.W. (Delph)	..	Corporation Waterworks	..	SD(34)704156	710	58.4	59.95	239	194
M	Bolton W.W. (Longworth)	..	Corporation Waterworks	..	SD(34)692161	770	57.0	60.43	...	...
D	Bolton W.W. (Wayoh)	..	No. 3 Corporation Waterworks	..	SD(34)733163	608	55.9	57.95	229	187
vi	§Bolton W.W. (Holden's Farm)	..	Corporation Waterworks	..	SD(34)690170	955	56.0	59.33	...	...
vi	Bolton W.W. (Top-o'-th'-Brow)	..	Corporation Waterworks	..	SD(34)709170	935	60.1	61.62	...	...
D	Bolton W.W. (Entwistle)	..	Corporation Waterworks	..	SD(34)724173	700	56.4	57.76	243	189
vi	Bolton W.W. (Bromiley Heys)	..	Corporation Waterworks	..	SD(34)663169	925	58.2	61.39	...	...

§ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
SOUTH LANCASHIRE—(contd.)				ft.	in.	in.		
3.—MERSEY. Irwell—(contd.)								
M	§ Bolton W.W. (Hulton Pasture)	.. Corporation Waterworks	SD(34)672183	1090	55.2	59.25	...	...
M	§ Bolton W.W. (Moorside)	.. Corporation Waterworks	SD(34)738184	850	56.0	57.44	...	...
M	Bolton W.W. (Clough)	.. Corporation Waterworks	SD(34)687184	1150	58.6	60.44	...	...
M	Bolton W.W. (Cranberry Moss)	.. Corporation Waterworks	SD(34)710192	982	56.5	57.61	...	...
M	Bolton W.W. (Slater Lane)	.. Corporation Waterworks	SD(34)662192	985	55.9	58.49	...	...
M	Bolton W.W. (Brown Lowe)	.. Corporation Waterworks	SD(34)684193	1200	57.0	59.16	...	...
M	Bolton W.W. (Longshoot)	.. Corporation Waterworks	SD(34)737204	930	56.7	58.43	...	...
	Bolton W.W. (Uglo)	.. No. 2 Corporation Waterworks	SD(34)758206	1090	56.1	59.54	...	...
D	Rochdale (Hamer Pasture Res.)	.. Rochdale Corporation	SD(34)897161	760	50.3	54.20	209	192
D	Littleborough (Longden End)	.. C. Busfield, Esq., C.E.	SD(34)958140	751	50.6	59.47	245	205
D	Littleborough (Hollingworth Lake)	.. C. Busfield, Esq., C.E.	SD(34)941150	610	...	49.05	231	190
D	Littleborough (Blackstone Edge)	.. C. Busfield, Esq., C.E.	SD(34)966182	1268	49.8	57.61	232	195
D	Littleborough (Upper Chelburn)	.. C. Busfield, Esq., C.E.	SD(34)952185	725	49.9	57.13	236	194
D	Littleborough (Chelburn)	.. C. Busfield, Esq., C.E.	SD(34)949188	700	49.7	55.68	236	193
D	Edenfield (New Hall Nurseries)	.. Irwell Valley Water Board	SD(34)807197	800	50.4	57.19	232	192
D	Edenfield (Scout Moor Res.)	.. No. 2 Irwell Valley Water Board	SD(34)823193	1275	...	71.09	237	209
D	Waterfoot (Cragg Reservoir)	.. Bacup Borough Council	SD(34)846197	1325	57.9	66.24	251	214
D	Waterfoot (Cowpe Reservoir)	.. Bacup Borough Council	SD(34)843204	925	58.9	62.24	245	200
D	Rochdale (Spring Mill, Whitworth)	.. Rochdale Corporation	SD(34)875168	697	55.5	58.20	229	200
D	Wardle (Watergrove Mill)	.. Rochdale Corporation	SD(34)910183	803	...	56.20	257	191
D	Rochdale (Cowm, Whitworth)	.. Rochdale Corporation	SD(34)881185	762	58.0	63.54	239	203
D	Helmshore (Musbury Valley)	.. Irwell Valley Water Board	SD(34)770212	750	56.0	56.96	219	190
D	HELMSHORE (Exper. Husbandry Farm)	.. Director	SD(34)774205	854	60.6	60.30	244	195
D	Haslingden (Holden Wood)	.. No. 1 Irwell Valley Water Board	SD(34)774223	690	57.6	54.98	227	188
D	Haslingden (Holden Wood)	.. No. 2 Irwell Valley Water Board	SD(34)766227	670	56.1	58.35	227	191
D	Haslingden (Calf Hey)	.. No. 1 Irwell Valley Water Board	SD(34)750222	800	57.3	60.21	227	197
D	Haslingden (Ogden)	.. No. 2 Irwell Valley Water Board	SD(34)756224	740	55.7	58.98	227	198
D	Bacup (Sheephouse Reservoir)	.. Bacup Borough Council	SD(34)877220	975	56.4	64.15	259	203
d	Rawtenstall (Cemetery)	.. (+ A) Boro' Engineer & Surveyor	SD(34)813233	572	52.5	53.67	209	187
D	Bacup (Stake Brook)	.. Mersey River Board	SD(34)873251	1125	...	(60.97)	251	207
D	Rawtenstall (Green Fold Res.)	.. (+ A) Irwell Valley Water Board	SD(34)823261	1000	...	53.74	236	191
D	Rawtenstall (Green Fold Res.)	.. No. 2 Irwell Valley Water Board	SD(34)829264	1025	...	53.09	237	191
D	Rawtenstall (Clough Bottom)	.. No. 1 Irwell Valley Water Board	SD(34)845269	1025	51.4	51.82	226	184
D	Rawtenstall (Clowbridge Res.)	.. No. 2 Irwell Valley Water Board	SD(34)828278	930	55.8	62.24	209	191
4.—MERSEY. Upper. 54 sq. mi.								
D	Chorlton-cum-Hardy (Sewage Works)	.. Manchester Cpn. Rivers Dpt.	SJ(33)807931	95	31.9	43.47	249	182
D	Stretford (Sewage Farm)	.. Borough Engineer	SJ(33)783933	65	33.5	40.40	225	174
D	Denton (Sewage Works)	.. Denton U.D.C.	SJ(33)921935	190	32.7	38.38	213	174
D	Fallowfield (Platt Field Park)	.. City Engineer, Manchester	SJ(33)852943	118	33.2	39.49	218	179
	Audenshaw Reservoirs	.. Manchester Corpn. W.W.	SJ(33)913973	300	37.6	43.60	241	193
D	Ashton-u-Lyne (Henrietta St. Yard)	.. M. T. B. Whitson, Esq., C.E.	SJ(33)940995	394	39.2	44.99	217	184
D	Lower Swineshaw Reservoir	.. M. T. B. Whitson, Esq., C.E.	SK(43)004994	886	44.8	47.39	229	200
w	Swineshaw Moor	.. M. T. B. Whitson, Esq., C.E.	SE(44)010008	1340	48.6	51.71	...	...
CENTRAL LANCASHIRE. (Area, 536 sq. mi.)								
1.—RIBBLE & C. 326 sq. mi.								
M	Rivington (Tockholes)	.. Liverpool Corpn. W.W.	SD(34)663201	970	53.1	57.83	...	...
M	Roddlesworth	.. Liverpool Corpn. W.W.	SD(34)655216	725	...	53.40	...	...

§ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
CENTRAL LANCASHIRE—(contd.)				ft.	in.	in.		
1.—RIBBLE & C.—(contd.)								
D	Darwen (Sunnyhurst Hey Res.)	.. Borough & Water Engineer	SD(34)677221	915	51.3	53.41	233	183
D	Darwen (Earnsdale Reservoir)	.. Borough & Water Engineer	SD(34)670220	705	52.1	52.64	233	181
D	DARWEN (Bold Venture Park)	.. Medical Officer of Health ..	SD(34)687216	724	54.6	59.07	216	189
D	Darwen (Hoddlesden) .. ..	.. Blackburn Waterworks ..	SD(34)718224	680	...	58.81	244	180
D	§Darwen (Daisy Green) .. ..	.. Blackburn Waterworks ..	SD(34)726242	969	50.8	60.75	246	185
D	§Darwen (Pickup Bank) .. ..	.. Blackburn Waterworks ..	SD(34)721237	727	51.5	59.57	244	182
D	Blackburn (Guide Reservoir)	.. Blackburn Waterworks ..	SD(34)698264	610	43.9	49.34	217	195
D	Blackburn (Witton) .. ..	.. Blackburn Waterworks ..	SD(34)669276	315	...	47.41	213	181
D	Accrington (Oak Hill Park) .. (+ A)	Borough Engineer	SD(34)765278	645	47.0	50.90	218	184
D	Accrington (Coppo Clough S.W.)(+ A)	Borough Engineer	SD(34)743294	386	44.4	48.38	210	189
d	Preston (West Cliff) .. ..	.. Lancashire River Board ..	SD(34)532288	25	36.9	41.95	...	...
D	PRESTON (MOOR PARK) .. (+ A)	Jeremiah Horrocks Obsy. ..	SD(34)537311	108	39.5	43.24	224	176
D	Samlesbury (Sewage Works) .. ..	.. Blackburn Waterworks ..	SD(34)621292	240	38.3	40.95	213	164
D	SQUIRES GATE (Blackpool Airport)(+ A)	Meteorological Office ..	SD(34)316317	33	33.5	36.31	210	151
w	Burnley W.W. (Causeway Side) ..	.. J. Shepherd, Esq., C.E. ..	SD(34)890292	1110	53.8	55.02	...	...
w	§Burnley W.W. (Sheddin) .. ..	.. J. Shepherd, Esq., C.E. ..	SD(34)893301	960	52.9	52.72	...	...
D	§Burnley W.W. (Cant Clough, S. Side)	.. J. Shepherd, Esq., C.E. ..	SD(34)894306	903	53.2	54.11	219	191
D	§Burnley W.W. (Cant Clough, N. Side)	.. J. Shepherd, Esq., C.E. ..	SD(34)890313	896	50.5	52.46	220	190
w	§Burnley W.W. (Rams Clough Head) ..	.. J. Shepherd, Esq., C.E. ..	SD(34)903326	1236	50.9	58.02	...	...
D	Huncoat (Burnley Road Reservoir) ..	.. R. Jackson, Esq., B.Sc. ..	SD(34)774296	640	43.0	50.85	215	186
D	Rishton .. ..	.. British Waterways ..	SD(34)715301	466	...	44.62	198	179
D	Altham (Coke Works) .. ..	.. National Coal Board ..	SD(34)755312	440	...	49.61	217	184
D	Rishton (Sewage Works) .. ..	.. Surveyor	SD(34)738311	300	43.0	47.96	207	181
D	Great Harwood (Parsonage Res.) ..	.. Blackburn Waterworks ..	SD(34)699321	631	41.2	42.65	209	174
D	Great Harwood (Kebb Farm) .. ..	.. R. Jackson, Esq., B.Sc. ..	SD(34)722328	670	48.4	49.96	222	193
D	Burnley (Habergham Eaves) .. ..	.. R. M. Smith, Esq. ..	SD(34)838308	780	...	47.38	214	182
d	BURNLEY (Queens Park) .. ..	.. Medical Officer of Health ..	SD(34)849334	458	42.9	46.20	...	181
D	§Burnley W.W. (Swinden) upper g. ..	.. J. Shepherd, Esq., C.E. ..	SD(34)893331	811	48.6	52.82	218	182
D	Burnley W.W. (Swinden) lower g. ..	.. J. Shepherd, Esq., C.E. ..	SD(34)885334	745	47.4	50.10	218	182
w	§Burnley W.W. (Extwistle Moor Top)	.. J. Shepherd, Esq., C.E. ..	SD(34)907335	1245	50.5	57.50	...	...
D	Padiham (Altham Sewage Works) ..	.. Water Engineer, Padiham ..	SD(34)776331	225	...	46.03	217	187
D	Padiham (Memorial Park) .. ..	.. Water Engineer, Padiham ..	SD(34)789337	305	...	46.19	228	177
D	Padiham (Huntroyde) .. ..	.. C. Russell Ingham, Esq. ..	SD(34)786351	430	44.8	46.28	204	178
D	Longridge (Alston Reservoir) .. ..	.. Preston Waterworks ..	SD(34)604366	330	41.9	47.40	241	189
	§Nelson (Red Spa Moor) .. ..	.. Nelson Corporation W.W. ..	SD(34)910352	1175	50.2	52.48	...	...
D	§Nelson (Coldwell Reservoir) No. 3	Nelson Corporation W.W. ..	SD(34)901356	1060	52.5	51.91	222	192
D	§Nelson (Coldwell Reservoir) No. 2	Nelson Corporation W.W. ..	SD(34)900362	960	49.9	50.53	227	192
D	Whalley (Calderstones Institution) ..	.. C. R. Iken, Esq.*	SD(34)725371	198	44.0	46.58	207	173
D	Nelson (Sewage Works) .. ..	.. Nelson Corporation W.W. ..	SD(34)845375	359	45.2	46.17	202	175
D	NELSON (Walton Lane) .. (+ A)	Medical Officer of Health ..	SD(34)872384	540	44.6	45.31	219	180
D	Ribchester Institution .. ..	.. E. G. Heaver, Esq.* ..	SD(34)627365	279	44.5	47.59	205	179
D	STONYHURST College .. ..	.. Rev. J. Lawrence, S.J. ..	SD(34)692388	377	47.8	50.79	212	172
D	Longridge (Cowley Brook) .. ..	.. Preston Waterworks ..	SD(34)641392	616	48.0	55.26	230	192
D	Longridge (Spade Mill) .. ..	.. Preston Waterworks ..	SD(34)618373	362	43.4	49.69	240	193
	Longridge (Jeffrey Hill) .. ..	.. Preston Waterworks ..	SD(34)669399	900	47.9	56.54	...	...
D	Sabden (Churn Clough Reservoir) ..	.. Water Engineer, Padiham ..	SD(34)786382	790	47.6	51.26	231	186
w	Sabden (Craggs Dole) .. ..	.. Water Engineer, Padiham ..	SD(34)783389	1050	49.3	52.71	...	...
D	§Barley (Ogden Reservoir) .. ..	.. Nelson Corporation W.W. ..	SD(34)817398	908	55.9	55.25	224	189
D	§Pendle Hill (Buttock) .. ..	.. Nelson Corporation W.W. ..	SD(34)807401	1175	59.2	57.48	225	195
D	Colne (Swinden Sewage Works) ..	.. Borough Engineer	SD(34)874395	423	44.5	43.12	208	176
D	Colne (Judge Fields) (+ A)	Borough Engineer	SD(34)886406	559	46.4	47.27	198	176
d	Barrowford Reservoir .. ..	.. British Waterways ..	SD(34)868403	473	46.7	46.01	201	173

* Per Lancashire River Board.

§ Turf wall round gauge.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958		
				National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
CENTRAL LANCASHIRE—(contd.)					ft.	in.	in.		
1.—RIBBLE & C.—(contd.)									
D	Clitheroe (Higher Standen Cottage) ..	Lancashire River Board ..	SD(34)750403	340	...	50.16	217	180	
	§Nelson (Blackmoss Reservoir) ..	Nelson Corporation W.W.	SD(34)826414	825	53.0	55.04	...	...
d	Foulridge (Upper Reservoir) ..	British Waterways ..	SD(34)893413	582	43.3	47.97	219	184	
D	Chatburn School ..	Headmaster ..	SD(34)769441	322	44.5	46.59	211	185	
	Clitheroe (Downham Hall) ..	Lord Clitheroe, P.C. ..	SD(34)782443	464	43.8	49.75	...	...
2—RIBBLE. Douglas. 156 sq. mi.									
D	Wigan W.W. (Billinge Higher End) ..	Borough Engineer ..	SD(34)525030	374	39.9	44.74	218	168	
d	Wigan (Grammar School) ..	Headmaster ..	SD(34)580062	120	36.9	43.12	195	159	
d	Wigan (Gidlow Sec. Mod. School) ..	Headmistress ..	SD(34)573068	150	37.1	43.11	199	169	
D	Wigan W.W. (Worthington) ..	Borough Engineer ..	SD(34)580102	225	39.8	45.51	211	183	
D	Horwich (Lower Rivington) ..	Liverpool Corpn. W.W. ..	SD(34)631126	440	41.3	47.73	220	178	
	Horwich (Gillsbrook Spring) ..	Liverpool Corpn. W.W. ..	SD(34)635134	598	44.9	51.32	...	...
M	Rivington (Scotchman's Post) ..	Liverpool Corpn. W.W. ..	SD(34)660146	1425	...	(55.73)	...	...
M	Rivington (Hordern Stoops) ..	Liverpool Corpn. W.W. ..	SD(34)650154	1065	...	(56.23)	...	...
	Rivington (Brown Hill) ..	Liverpool Corpn. W.W. ..	SD(34)635157	727	46.4	54.36	...	...
D	§Rivington (Stones House) ..	Liverpool Corpn. W.W. ..	SD(34)621163	640	...	51.32	227	188	
M	Rivington (Round Loaf) ..	Liverpool Corpn. W.W. ..	SD(34)632184	970	...	52.78	...	...
	||Rivington (Great Hill) ..	Liverpool Corpn. W.W. ..	SD(34)646190	1240	...	56.82	...	...
	||Rivington (Coppice Stile) ..	Liverpool Corpn. W.W. ..	SD(34)627191	879	45.0	52.19	...	...
M	Rivington (Pimms) ..	Liverpool Corpn. W.W. ..	SD(34)652195	987	53.5	58.56	...	...
M	Rivington (Gamekeeper's) ..	Liverpool Corpn. W.W. ..	SD(34)640209	850	48.4	55.07	...	...
D	Mawdesley* ..	Lancashire River Board ..	SD(34)493150	69	...	41.75	225	184	
	Chorley (Filter Beds) ..	Liverpool Corpn. W.W. ..	SD(34)604171	430	42.9	47.11	...	...
D	Chorley (Common Bank S. Wks.) (+ A)	Manager ..	SD(34)565178	187	38.0	40.36	211	180	
3.—COAST STREAMS. 52 sq. mi.									
D	Formby (Victoria Road) ..	J. Coney, Esq. ..	SD(34)290084	10	33.3	37.33	218	167	
D	Southport (Sandbrook Road P.S.) ..	Borough Engineer ..	SD(34)318119	25	...	35.77	191	159	
D	SOUTHPORT (Bank End Sew. Wks.) (+ A)	Borough Engineer ..	SD(34)371208	16	...	35.37	242	167	
d	Rufford (Pulmonary Hospital) ..	Head Gardener* ..	SD(34)456164	38	34.0	40.21	...	...
D	Crossens (Pumping Station) ..	L. J. Lepine, Esq. ..	SD(34)378206	15	33.4	35.84	209	161	
4.—OUSE. Aire. 2 sq. mi.									
NORTH LANCASHIRE. (Area, 609 sq. mi.)									
1.—DUDDON & C. 77 sq. mi.									
D	Barrow-in-Furness (Gasworks) ..	Water Engineer, Barrow ..	SD(34)218689	17	40.6	45.45	213	166	
D	Barrow-in-Furness (Sew. Wks.) (+ A)	J. N. Flitcroft, C.E. ..	SD(34)215688	20	41.1	45.30	204	170	
D	Little Urswick (North View) ..	Miss I. Dobson ..	SD(34)265738	130	48.6	48.53	216	169	
D	URSWICK Vicarage ..	Rev. M. D. Grieve ..	SD(34)268742	130	46.4	50.88	223	176	
D	Dalton-in-Furness (Dowdales) ..	R. Kitchin, Esq. ..	SD(34)226743	150	46.3	49.52	210	167	
D	Ulverston (Poaka Beck) ..	Water Engineer, Barrow ..	SD(34)240782	512	52.7	58.17	230	182	
w	§Duddon Valley (Seathwaite Tarn) ..	Water Engineer, Barrow ..	SD(34)249984	1221	100.3	92.35	...	...

§ Turf wall round gauge.

|| Gauge over-exposed.

* Per Lancashire River Board.

DIVISION VIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain- fall	1958		
				National grid reference	Altitude		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
NORTH LANCASHIRE—(contd.)					ft.	in.	in.		
2.—LEVEN & C. 135 sq. mi.									
D	Ulverston (Park Road)	..	Late E. Satterthwaite, Esq.	SD(34)289778	50	51·9	55·24	230	185
D	Haverthwaite	..	Lancashire River Board	SD(34)345839	43	56·7	57·94	210	182
d	Newby Bridge (Fell Foot)	..	P. S. Rhodes, Esq.**	SD(34)382871	175	58·8	62·45	222	177
D	Cartmel Fell (Tower Wood)	..	Windermere U.D.C.	SD(34)385914	150	61·4	64·95	218	181
	Cartmel Fell (Ghyll Head Reservoir)	..	Windermere U.D.C.	SD(34)397924	420	63·6	63·21	...	...
D	Coniston (Holywath)	..	Major J. W. B. Hext	SD(34)298979	250	96·9	90·29	235	200
d	Near Sawrey (Ferry House)	..	Freshwater Biological Assoc.	SD(34)390956	145	61·5	62·21	...	...
D	Far Sawrey (Righting House)	..	M. Illingworth, Esq.	SD(34)374962	440	62·1	64·01	209	180
d	Hawkshead (Wraymires Fisheries)	..	Freshwater Biological Assoc.	SD(34)363974	271	70·5	68·97	...	...
d	High Wray (Huyton Hill School)	..	Freshwater Biological Assoc.	NY(35)367019	129	69·1	70·01	209	178
3.—KENT & C. 45 sq. mi.									
d	MORECAMBE	..	Town Clerk	SD(34)431645	23	38·4	40·51	...	169
D	Morecambe (Bare Lane)	..	K. M. Wolstencroft, Esq.	SD(34)455644	20	38·5	41·41	212	171
D	Carnforth (Pedder Pots Reservoir)	..	L. Lyons, Esq., C.E.	SD(34)533700	268	46·7	46·62	229	175
4.—LUNE. 135 sq. mi.									
d	GARSTANG (Winmarleigh Hall)	..	Director N.I.A.B.	SD(34)469480	68	...	41·21	202	163
D	Hampson-in-Ellel	..	John Welch, Esq.	SD(34)495541	145	40·2	42·54	217	179
	Bowland Forest (High Salter)	..	Lancashire River Board	SD(34)617622	1014	61·7	64·15	...	...
	Bowland Forest (Whiteray)	..	Lancashire River Board	SD(34)678613	1139	65·1	66·20	...	...
D	Lancaster (Blea Tarn Reservoir)	..	L. Lyons, Esq., C.E.	SD(34)495583	330	45·6	50·05	216	183
D	Lancaster (Stodday)	..	L. Lyons, Esq., C.E.	SD(34)460588	25	38·6	41·63	209	164
D	Lancaster (Lune Aqueduct)	..	British Waterways	SD(34)482640	74	41·3	46·55	217	182
D	Hornby (The Snab)	..	Capt. Ralph Heathcote	SD(34)564682	110	45·7	42·92	227	169
5.—WYRE & C. 213 sq. mi.									
D	Weeton Reservoir	..	Fylde Water Board	SD(34)395344	133	38·4	41·89	217	178
D	Fulwood W.W. (Haighton Reservoir)	..	Lancashire River Board	SD(34)574352	264	40·4	46·23	216	180
D	KIRKHAM (Esprick)	..	Director, Fairfield E.H. Stn.	SD(34)414317	78	37·8	39·64	217	162
D	POULTON-LE-FYLDE	..	Headmaster	SD(34)346384	100	...	42·62	203	166
D	St. Michael's-on-Wyre	..	E. W. Hornby, Esq.	SD(34)459410	26	37·9	40·78	217	170
D	Fulwood W.W. (Barnsfold Reservoir)	..	Fylde Water Board	SD(34)577416	508	48·0	55·16	227	189
D	Thornton (Council Offices)	..	H. Anderson, Esq.	SD(34)337420	15	...	41·51	209	160
D	Preesall (Pumping Station)	..	Lancashire River Board	SD(34)365465	30	35·0	39·35	211	157
D	Garstang (Barnacre Reservoir)	..	Fylde Water Board	SD(34)528480	616	48·7	52·87	229	193
D	Garstang (Grizedale Reservoir)	..	Fylde Water Board	SD(34)522483	517	46·3	49·01	229	182
	Garstang (Calder Intake)	..	Fylde Water Board	SD(34)544484	632	48·2	49·50	...	...
D	Garstang (Scorton)	..	W. G. Richmond, Esq.	SD(34)502488	92	41·8	46·60	218	176
	Garstang (Grizedale Intake)	..	Fylde Water Board	SD(34)541496	644	47·2	49·75	...	...
D	Wyresdale (Abbeystead Reservoir)	..	L. Lyons, Esq., C.E.	SD(34)563542	366	...	59·93	230	202
D	Abbeystead Gardens	..	Mr. George Penk	SD(34)566544	420	52·6	55·82	230	195
D	Damas Ghyll Reservoir	..	L. Lyons, Esq., C.E.	SD(34)527573	590	49·7	50·43	229	194
	Quernmore (Old Gauge Basin)	..	L. Lyons, Esq., C.E.	SD(34)541576	963	52·2	55·78	...	...
	Quernmore (Hare Syke)	..	L. Lyons, Esq., C.E.	SD(34)596576	1610	73·3	72·88	...	...
6.—INSULAR. 4 sq. mi.									

** Under auspices of Freshwater Biological Association

|| Site unorthodox.

DIVISION IX—YORKSHIRE

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958		
				National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
WEST RIDING. (Area, 2,803 sq. mi.)					ft.	in.	in.		
1.—LUNE. 178 sq. mi.									
D	Austwick (Town Head)	..	G. Holmes, Esq.	SD(34)770687	500	...	47.56	216	169
D	Austwick (Springfield)	..	Lancashire River Board	SD(34)765685	500	...	47.52	228	180
	Great Harlow 31	..	Fylde Water Board	SD(34)696612	1490	...	75.32	...	...
§	Clapham Common 32	..	Fylde Water Board	SD(34)729615	1180	...	67.09	...	...
D	Sedbergh (Brigflatts)	..	The Misses Wilson	SD(34)642912	305	58.1	50.12	201	174
D	Sedbergh School	..	H. Dawson, Esq.	SD(34)654919	400	...	48.09	214	174
2.—RIBBLE. 225 sq. mi.									
D	Colne (Lower Coppy)	..	Engineer, Water Dept.	SD(34)955408	975	44.5	46.67	230	180
D	Colne (Laneshaw Reservoir)	..	Engineer, Water Dept.	SD(34)943414	795	...	45.91	231	180
D	Barnoldswick (County Sec. School)	..	C. R. Nutter, Esq.	SD(34)883462	567	44.2	49.13	229	182
D	Barnoldswick (Greenberfield)	..	British Waterways	SD(34)887481	488	...	45.09	210	180
	Slaidburn (Hareden Fell)	..	Preston Waterworks	SD(34)618493	1300	76.9	75.35	...	...
D	Slaidburn (Hareden Valley)	..	Preston Waterworks	SD(34)635503	563	71.9	67.80	267	195
D	Slaidburn (Langden Brook)	..	Preston Waterworks	SD(34)628511	559	73.8	73.70	239	203
	Slaidburn (Holdron Moss)	..	Preston Waterworks	SD(34)606511	1300	78.7	79.15	...	...
d	Slaidburn (Dunsop Houses)	..	Blackburn Waterworks	SD(34)654515	450	65.9	67.71	...	189
d	Slaidburn (Footholme)	..	Blackburn Waterworks	SD(34)652531	565	65.2	66.28	191	188
D	Slaidburn (Croasdale House)	..	Fylde Water Board	SD(34)704550	600	61.3	63.03	218	183
D	§Slaidburn (Stocks)	..	No. 10 Fylde Water Board	SD(34)719550	658	...	60.58	221	183
D	SLAIDBURN (Stocks)	..	No. 11 Fylde Water Board	SD(34)715549	629	62.2	59.55	221	187
D	Slaidburn (Phynis)	..	Fylde Water Board	SD(34)712544	572	60.3	57.40	220	184
	§Slaidburn (Standridge)	..	Fylde Water Board	SD(34)737534	775	...	56.00	...	...
M	Slaidburn (Croasdale Valley)	..	Fylde Water Board	SD(34)694557	720	72.5	67.90	...	...
M	§Slaidburn (Upper Croasdale)	..	Fylde Water Board	SD(34)684569	870	...	72.50	...	...
	§Slaidburn (Croasdale Top)	..	Fylde Water Board	SD(34)668574	1310	...	77.68	...	...
d	Slaidburn (Whitendale)	..	Blackburn Waterworks	SD(34)653558	830	72.3	69.14	...	183
M	§Slaidburn (Dalehead)	..	Fylde Water Board	SD(34)733564	610	59.1	61.64	...	...
M	Slaidburn (Holme House)	..	Fylde Water Board	SD(34)725571	601	63.1	60.82	...	...
	§Stocks Reservoir (Island)	..	Fylde Water Board	SD(34)731559	598	...	60.01	...	...
M	Slaidburn (Far Barn)	..	Fylde Water Board	SD(34)746572	675	59.6	58.79	...	...
	Slaidburn (Tosside)	..	Fylde Water Board	SD(34)766563	880	...	55.66	...	...
M	Slaidburn (Cabin Hill)	..	Blackburn Waterworks	SD(34)621563	1559	72.8	66.80	...	...
M	Slaidburn (Baxton Fell)	..	Blackburn Waterworks	SD(34)673561	1525	...	78.46	...	...
M	Slaidburn (Saddle Hill) <i>new gauge</i>	..	Fylde Water Board	SD(34)690579	1400	72.1	75.48	...	...
M	§Slaidburn (Collyholme)	..	Fylde Water Board	SD(34)716578	650	65.4	63.74	...	...
	Settle (Holden Moor)	..	Fylde Water Board	SD(34)765589	1036	...	60.60	...	...
M	§Slaidburn (Dobdale)	..	Fylde Water Board	SD(34)747592	800	...	57.66	...	...
M	Settle (Bottoms)	..	Fylde Water Board	SD(34)748585	864	57.9	59.54	...	...
M	§Settle (Swire Clough)	..	Fylde Water Board	SD(34)725595	1190	65.2	63.21	...	...
	§Settle (Catlow)	..	Fylde Water Board	SD(34)705591	825	...	68.28	...	...
M	Settle (Greet Bridge)	..	Fylde Water Board	SD(34)702589	825	72.7	70.09	...	...
M	§Slaidburn (White Hill)	..	Fylde Water Board	SD(34)677585	1710	...	76.61	...	...
M	Settle (Lamb Hill)	..	Fylde Water Board	SD(34)688592	1328	...	73.56	...	...
	§Slaidburn (Knotteranum)	..	Fylde Water Board	SD(34)737606	1200	...	65.61	...	...
	§Settle (Big Hill)	..	Fylde Water Board	SD(34)765618	975	...	60.32	...	...
M	§Slaidburn (Red Syke)	..	Fylde Water Board	SD(34)685604	1290	...	76.28	...	...
D	Settle (Gasworks)	..	A. Smalley, Esq.	SD(34)816633	450	46.8	49.00	195	174
D	Giggleswick (Belfield)	..	E. H. Horner, Esq.	SD(34)814644	600	...	49.90	200	170
d	Ribblehead (Station)	..	British Railways, for M.O.	SD(34)766789	1025	78.7	69.36	...	...

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
WEST RIDING—(contd.)				ft.	in.	in.		
3.—MERSEY. Irwell. 2 sq. mi.								
D	Oldham (Strinesdale)	C. Busfield, Esq., C.E. ..	SD(34)955064	791	44.4	50.17	220	194
4.—MERSEY. Upper. 35 sq. mi.								
w	§Greenfield (Chew, Blindstones) ..	M. T. B. Whitson, Esq., C.E.	SE(44)038014	1745	60.5	65.74	...	...
D	§Greenfield (Chew Mount)	M. T. B. Whitson, Esq., C.E.	SE(44)035020	1578	60.3	63.90	274	211
w	§Greenfield (Chew Reservoir) ..	M. T. B. Whitson, Esq., C.E.	SE(44)046020	1648	...	65.24	...	...
w	§Greenfield (Chew Sluice)	M. T. B. Whitson, Esq., C.E.	SE(44)037029	1670	59.5	64.37	...	...
D	Greenfield (Sewage Disposal Works)	Manager	SD(34)992043	499	45.3	51.85	246	208
D	§Greenfield (Yeoman Hey)	M. T. B. Whitson, Esq., C.E.	SE(44)022046	784	52.3	57.54	230	195
w	§Greenfield (Ashway Moss)	M. T. B. Whitson, Esq., C.E.	SE(44)032046	1581	56.3	62.11	...	...
w	Greenfield (Birchen Clough) ..	M. T. B. Whitson, Esq., C.E.	SE(44)034050	1018	...	61.04	...	...
w	§Greenfield (Upperwood Moor)	M. T. B. Whitson, Esq., C.E.	SE(44)031063	1518	54.2	61.48	...	...
d	Saddleworth Station	British Waterways	SE(44)000064	574	48.3	56.10	...	...
D	Denshaw (Rochdale Road)	J. Buckley, Esq.	SD(34)973106	870	51.7	56.86	219	190
D	Denshaw (Ox Hey)	C. Busfield, Esq., C.E. ..	SD(34)985104	1031	...	56.53	252	207
D	Denshaw (Crawshaw Hey)	C. Busfield, Esq., C.E. ..	SD(34)985108	956	51.7	55.38	252	208
D	Denshaw (New Year's Bridge)	C. Busfield, Esq., C.E. ..	SD(34)986107	986	...	53.81	252	206
5.—TRENT. Derwent. 9 sq. mi.								
D	Burbage (Parson's House)	Sheffield Corporation W.W.	SK(43)271810	1309	37.3	45.21	221	165
	Burbage (Higger Lodge)	Sheffield Corporation W.W.	SK(43)273816	1225	38.0	45.84	...	...
§	Burbage (Upper Burbage)	Sheffield Corporation W.W.	SK(43)264827	1364	...	47.85	...	...
	Derwent Dale (Howden Dean) No. 72	Derwent Valley Water Bd.	SK(43)185926	960	51.0	53.51	...	...
§	Derwent Dale (Howden Cl'gh) No. 64A	Derwent Valley Water Bd.	SK(43)177936	1010	49.9	55.30	...	...
M	§Derwent Dale (Sandy Lee) No. 7A	Derwent Valley Water Bd.	SK(43)180953	1320	56.4	57.75	...	...
6.—TRENT. Left Bank Tributaries. 143 sq. mi.								
D	Tickhill (Dadsley Road)	K. G. Brown, Esq.	SK(43)591935	60	24.1	28.14	179	128
D	Austerfield (Pumping Station) ..	Doncaster & Tickhill W. Bd.	SK(43)661962	32	23.0	25.88	181	124
D	Rossington (Main Colliery)	National Coal Board ..	SK(43)602984	22	24.1	30.23	185	139
D	Rossington Bridge (Pumping Station)	M. Cawley, Esq., C.E. ..	SK(43)630999	39	...	30.16	196	147
D	Balby (Sewage Works) .. (+ A)	M. Cawley, Esq., C.E. ..	SE(44)569010	29	23.5	27.46	185	130
D	Doncaster (Low Pasture Pump. Stn.)	M. Cawley, Esq., C.E. ..	SE(44)589022	24	23.4	26.57	177	129
D	Nutwell (Pumping Station)	M. Cawley, Esq., C.E. ..	SE(44)633031	22	...	28.97	201	142
D	Thornham (Pumping Station)	M. Cawley, Esq., C.E. ..	SE(44)655033	14	...	28.33	200	143
7.—OUSE. Don. 574 sq. mi.								
	Burbage (Badger House)	Sheffield Corporation W.W.	SK(43)286822	1138	...	45.05	...	...
D	Woodhouse (Coisley Hill Works) ..	J. H. Edmondson, Esq. ..	SK(43)414843	243	28.1	33.29	201	143
D	Sheffield W.W. (Redmires Res.) (R)	Sheffield Corporation W.W.	SK(43)262857	1110	42.0	47.42	242	176
D	Sheffield W.W. (Redmires Res.) No. 3	Sheffield Corporation W.W.	SK(43)262857	1110	42.6	47.82	243	176
	Rivelin (Oaking Clough) .. No. 2	Sheffield Corporation W.W.	SK(43)246862	1185	44.3	48.95	...	...
	Rivelin (Middle Moss)	Sheffield Corporation W.W.	SK(43)243871	1168	45.6	51.14	...	...
D	Sheffield W.W. (Rivelin) .. (+ A)	Sheffield Corporation W.W.	SK(43)287869	564	37.3	41.38	202	158
	Sheffield W.W. (Black Clough) ..	Sheffield Corporation W.W.	SK(43)235876	1175	46.4	52.24	...	...
D	Sheffield W.W. (Crookes)	Sheffield Corporation W.W.	SK(43)330872	629	31.9	39.75	216	152
D	SHEFFIELD (Weston Park)	Borough Council	SK(43)339873	428	30.7	37.92	199	144
	Loxley Valley (Crawshaw Wood) ..	Sheffield Corporation W.W.	SK(43)252887	1175	42.2	52.27	...	...

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
WEST RIDING—(contd.)				ft.	in.	in.		
7.—OUSE. Don—(contd.)								
	Loxley Valley (Broadcar)	.. .. Sheffield Corporation W.W.	SK(43)223904	1004	47.1	50.17	...	...
	Loxley Valley (Oakes Fm. Damflask)	.. Sheffield Corporation W.W.	SK(43)272903	650	38.8	45.42	...	...
	Loxley Valley (Loftshaw Strines)	.. Sheffield Corporation W.W.	SK(43)242902	1003	44.8	50.74	...	...
D	Loxley Valley (Bradfield Filters)	.. Sheffield Corporation W.W.	SK(43)261916	551	39.7	44.79	228	171
D	Loxley Valley (Dale Dike Reservoir)	.. Sheffield Corporation W.W.	SK(43)242917	710	43.3	47.67	242	177
	Loxley Valley (Brogging Moss)	.. Sheffield Corporation W.W.	SK(43)211917	1360	52.4	55.76	...	...
	Loxley Valley (Rocher Flat)	.. .. Sheffield Corporation W.W.	SK(43)267935	1106	39.9	45.90	...	...
	Loxley Valley (Emlin Moor)	.. .. Sheffield Corporation W.W.	SK(43)247934	998	44.9	47.57	...	...
§	Loxley Valley (White Lee Moor)	.. Sheffield Corporation W.W.	SK(43)265946	1170	43.4	47.75	...	...
	Loxley Valley (Hobson Moss)	.. Sheffield Corporation W.W.	SK(43)217946	1530	49.9	52.42	...	...
D	Rotherham (Ulley Reservoir)	No. 2 E. J. Manson, Esq., C.E. ..	SK(43)455874	184	24.5	30.21	163	138
D	Rotherham (Ulley Reservoir)	No. 3 E. J. Manson, Esq., C.E. ..	SK(43)453876	132	24.8	29.02	163	132
D	Wincobank (Sewage Works)	.. .. J. H. Edmondson, Esq. ..	SK(43)395917	110	24.4	30.87	178	135
D	ROTHERHAM (Broom Lane)	.. .. L. Atkinson, Esq. ..	SK(43)435923	284	24.7	30.29	188	137
D	Rotherham (Aldwarke Sew. Wks.)	(+ A) E. J. Manson, Esq., C.E. ..	SK(43)444943	70	25.0	28.85	170	134
D	Rotherham (Thrybergh)	.. .. M. Cawley, Esq., C.E. ..	SK(43)474961	184	25.4	32.02	191	144
D	Rotherham (Thorpe Hesley)	.. .. E. J. Manson, Esq., C.E. ..	SK(43)386964	201	...	32.15	199	139
d	Grenoside (Council Offices)	.. .. Wortley R.D.C. ..	SK(43)336935	560	29.0	35.63	...	...
D	Conisborough (Firsby Reservoir)	.. .. M. Cawley, Esq., C.E. ..	SK(43)495958	189	26.7	29.40	189	141
§	Ewden (Middle Moss)	.. .. Sheffield Corporation W.W.	SK(43)207949	1600	52.9	55.93	...	...
§	Ewden (Broomhead Moor)	.. .. Sheffield Corporation W.W.	SK(43)224956	1370	49.1	52.76	...	...
D	Ewden (Canyard Brook)	.. .. Sheffield Corporation W.W.	SK(43)261957	585	40.7	43.28	215	163
	Ewden (Wightwizzle)	.. .. Sheffield Corporation W.W.	SK(43)247956	860	...	48.43	...	...
	Ewden (Candle Rush)	.. .. Sheffield Corporation W.W.	SK(43)203965	1400	52.1	55.46	...	...
	Ewden (Broomhead Hall)	.. .. Sheffield Corporation W.W.	SK(43)242963	905	40.1	46.05	...	...
D	Ewden (More Hall Reservoir)	.. .. Sheffield Corporation W.W.	SK(43)289957	408	33.7	39.02	214	158
D	§Ewden (Broomhead Reservoir)	.. .. Sheffield Corporation W.W.	SK(43)268961	585	38.0	43.05	220	173
M	Ewden (Margery Hill)	.. .. Sheffield Corporation W.W.	SK(43)189957	1784	55.3	57.78	...	...
M	Ewden (Brown Edge)	.. .. Sheffield Corporation W.W.	SK(43)220969	1325	49.8	53.36	...	...
D	Wortley (Service Reservoir)	.. .. W. G. Lees, Esq., C.E. ..	SK(43)308998	700	32.2	38.27	212	156
D	Midhope Moor (Barnside)	.. .. W. G. Lees, Esq., C.E. ..	SK(43)229984	1000	48.5	53.03	239	179
M	Little Don Valley (Laund Clough)	.. .. Sheffield Corporation W.W.	SK(43)157990	1515	60.0	58.53	...	...
D	Little Don Valley (Underbank Res.)	.. .. Sheffield Corporation W.W.	SK(43)247995	604	37.4	42.97	220	158
§	Little Don Valley (Brockholes)	.. .. Sheffield Corporation W.W.	SE(44)227011	902	38.3	44.90	...	...
D	Langsett Moor (Midhope)	.. .. W. G. Lees, Esq., C.E. ..	SK(43)219994	830	46.0	49.62	224	172
D	Langsett Moor (Upper Midhope)	.. .. Sheffield Corporation W.W.	SK(43)215999	925	42.0	46.72	241	176
§	Langsett Moor (Mickleden)	.. .. Sheffield Corporation W.W.	SK(43)192988	1217	53.8	51.39	...	...
	Langsett Moor (Mickleden Edge)	.. .. Sheffield Corporation W.W.	SK(43)190985	1110	55.6	51.14	...	...
§	Langsett Moor (Catclough)	.. .. Sheffield Corporation W.W.	SK(43)172984	1516	57.9	57.12	...	...
	Langsett Moor (Loftshaw Brook)	.. .. Sheffield Corporation W.W.	SK(43)150993	1480	56.7	56.04	...	...
§	Dunford Bridge (Brown's Clough)	.. .. D. E. Strachan, Esq., C.E.	SE(44)145004	1405	63.3	64.85	...	...
	Langsett Moor (Border Hill)	.. .. Sheffield Corporation W.W.	SE(44)177011	1148	49.9	51.10	...	...
D	Langsett Moor (Swinden Lodge)	.. .. Sheffield Corporation W.W.	SE(44)189009	1032	46.5	49.93	230	173
D	Langsett Reservoir	.. .. (+ A) Sheffield Corporation W.W.	SE(44)211003	820	41.7	46.20	231	174
D	Langsett Moor (Flouch Road)	.. .. Sheffield Corporation W.W.	SE(44)205004	960	44.0	47.33	243	170
D	Wath-upon-Dearne	.. .. D. Jewsbury, Esq. ..	SE(44)435000	250	...	30.56	180	136
D	Wath-upon-Dearne (Wath Wood Res.)	.. .. Water Engineer ..	SK(43)437993	330	24.4	30.74	187	139
w	§Hazehead (Town Brook Intake)	.. .. W. G. Lees, Esq., C.E. ..	SE(44)177037	1037	49.8	51.84	...	...
w	§Dunford Bridge (Long Grain)	.. .. W. G. Lees, Esq., C.E. ..	SE(44)166019	1125	54.3	54.10	...	...
D	§Wogden Foot (Cat Clough)	.. .. W. G. Lees, Esq., C.E. ..	SE(44)182025	889	49.7	50.80	238	179
D	Doncaster (Pumping Station)	(+ A) M. Cawley, Esq., C.E. ..	SE(44)576040	31	24.6	28.76	183	138
D	Dunford Bridge (Stoney Gate)	.. .. D. E. Strachan, Esq., C.E.	SE(44)157010	1086	56.2	55.63	233	190

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

		Rain-gauge site		Average Rain-fall	1958		
STATIONS	AUTHORITIES	National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
WEST RIDING—(contd.)			ft.	in.	in.		
7.—OUSE. Don.—(contd.)							
M §Dunford Bridge (End Springs)	.. D. E. Strachan, Esq., C.E.	SE(44)130022	1450	67.8	63.90	...	...
D §Dunford Bridge Reservoir	.. D. E. Strachan, Esq., C.E.	SE(44)151023	1081	56.8	55.84	233	195
d Wombwell (Broomhill W.W.)	.. Dearne Valley Water Bd.	SE(44)411026	120	...	30.76	...	...
D §Dunford Bridge (Harden)	.. D. E. Strachan, Esq., C.E.	SE(44)150035	1204	55.5	54.88	232	194
M §Dunford Bridge (Reaps Slack)	.. D. E. Strachan, Esq., C.E.	SE(44)130037	1490	65.3	62.80	...	...
D Barnsley (Worsborough Bridge)	.. Engineer and Surveyor	SE(44)363035	150	26.5	35.62	203	140
D Darfield (Sewage Works)	.. Surveyor	SE(44)421038	83	24.8	33.17	182	140
D §Penistone (Royd Moor)	.. W. G. Lees, Esq., C.E.	SE(44)222045	835	38.3	43.14	224	163
M Penistone (Gringley Carr)	.. W. G. Lees, Esq., C.E.	SE(44)201050	1090	43.0	46.29	...	...
D Penistone (Ingsburchworth Reservoir)	.. W. G. Lees, Esq., C.E.	SE(44)213056	853	39.0	42.88	214	165
Penistone (Spicer House)	.. W. G. Lees, Esq., C.E.	SE(44)204056	985	...	44.21	...	...
D §Penistone (Broadstone Reservoir)	.. W. G. Lees, Esq., C.E.	SE(44)195062	1030	44.3	46.61	232	177
w Hepworth (Pottersgate House)	.. W. G. Lees, Esq., C.E.	SE(44)190063	1165	41.9	45.43	...	...
d Barnsley (Queens Road)	.. Borough Engineer	SE(44)348063	310	26.6	31.33	...	...
d Doncaster (Bentley Works)	.. Research Engineer	SE(44)563058	28	24.1	30.05	...	...
D Barnsley (Jordan Hill)	.. W. G. Lees, Esq., C.E.	SE(44)336069	460	26.8	33.27	189	140
D Doncaster (Sandall Works)	.. M. Cawley, Esq., C.E.	SE(44)601060	41	23.7	27.25	172	132
D Bentley Colliery	.. National Coal Board	SE(44)571073	22	24.4	28.06	167	127
D Cawthorne (Cannon Hall)	.. Parks Supt., Barnsley	SE(44)273084	350	29.1	34.60	194	147
D Barnsley (Burntwood Hall)	.. R. Dymond, Esq.	SE(44)428093	378	27.3	33.91	166	132
D Kirk Bramwith	.. T. A. D. Farran, Esq., C.E.	SE(44)618115	22	23.1	25.27	192	142
D Thorne	.. Yorkshire Ouse River Board	SE(44)675145	15	22.7	26.28	180	132
D Hemsworth (Fitzwilliam)	.. Hemsworth & U.K. Coke Oven Co. Ltd.	SE(44)417155	245	23.5	31.37	184	136
D Rawcliffe (Black Drain P.S.)	.. G. H. Simmons, Esq.	SE(44)690207	10	24.0	26.82	168	133
Goole	.. British Waterways	SE(44)745235	18	24.5	27.66	181	135
8.—OUSE. Aire. Calder. 361 sq. mi.							
D Great Hey	.. H. P. Joyce, Esq., C.E.	SE(44)104042	1200	67.7	67.01	205	200
D Hey Springs	.. H. P. Joyce, Esq., C.E.	SE(44)117046	1100	63.7	62.04	205	197
D Holmbridge (Yateholme)	.. H. P. Joyce, Esq., C.E.	SE(44)111043	1009	63.6	62.77	205	197
M §Holmbridge (Far Naze End)	.. H. P. Joyce, Esq., C.E.	SE(44)098048	1500	...	70.94	...	...
M §Holmbridge (Red Cabin)	.. H. P. Joyce, Esq., C.E.	SE(44)115036	1510	...	65.26	...	...
Holmbridge (Lightens Road)	.. H. P. Joyce, Esq., C.E.	SE(44)102038	1473	...	64.08	...	...
D Holmbridge (Ramsden)	.. H. P. Joyce, Esq., C.E.	SE(44)116051	861	...	59.26	205	195
Holmbridge (Bilberry Reservoir)	.. J. P. Beveridge, Esq., C.E.	SE(44)102068	870	...	53.71	...	...
D Holmfirth (Holme Styes Reservoir)	.. Water Engineer	SE(44)142055	925	...	49.27	245	181
Holmfirth (Boshaw Whams Res.)	.. J. P. Beveridge, Esq., C.E.	SE(44)153057	930	44.8	47.58	...	...
M §Hepworth (Spring Head)	.. W. G. Lees, Esq., C.E.	SE(44)179068	1165	42.4	45.59	...	...
d Holmfirth (Snape Reservoir)	.. Water Engineer	SE(44)115087	1075	47.2	51.56	...	...
Meltham (Harden Moss)	.. J. P. Beveridge, Esq., C.E.	SE(44)098086	1212	52.9	58.37	...	...
Wessenden Head	.. J. P. Beveridge, Esq., C.E.	SE(44)068077	1200	50.1	64.02	...	...
Wessenden (Holly Bank Moss)	.. J. P. Beveridge, Esq., C.E.	SE(44)064082	1280	54.2	65.63	...	...
Wessenden (Old Reservoir)	.. J. P. Beveridge, Esq., C.E.	SE(44)056087	940	52.4	63.36	...	...
d Stanedge (Redbrook Reservoir)	.. British Waterways	SE(44)026102	1150	52.0	62.35	...	...
Wessenden (Butterley Moss)	.. J. P. Beveridge, Esq., C.E.	SE(44)047096	1110	50.3	66.16	...	...
§Wessenden (Bobus)	.. J. P. Beveridge, Esq., C.E.	SE(44)035097	1200	50.5	62.95	...	...
d ||Marsden Reservoir	.. British Waterways	SE(44)046121	657	54.1	60.38	...	...
D Slaithwaite (Blackmoorfoot)	.. J. P. Beveridge, Esq., C.E.	SE(44)096130	800	43.1	47.48	225	179
Slaithwaite (Deanhead Reservoir)	.. J. P. Beveridge, Esq., C.E.	SE(44)039151	1007	...	50.90	...	...

|| Site unorthodox.

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
WEST RIDING—(contd.)				ft.	in.	in.		
8.—OUSE. Aire. Calder—(contd.)								
D	HUDDERSFIELD (RAVENSKNOWLE)	.. Corporation ..	SE(44)163165	325	53.6	36.76	200	150
D	HUDDERSFIELD (OAKES)	.. S. Morris Bower, Esq., for M.O. ..	SE(44)113177	761	37.6	44.92	229	167
w	Moss Moor (Linsgreave)	.. Wakefield Corpn. W.W.	SD(34)986143	1264	52.8	60.49	...	...
D	Rishworth (Great Wolden Edge)	.. Wakefield Corpn. W.W.	SD(34)996156	1135	54.8	60.63	254	205
w	Rishworth (Long Clough)	.. Wakefield Corpn. W.W.	SE(44)017156	1010	...	64.02	...	...
w	Rishworth (Stott Hall)	.. Wakefield Corpn. W.W.	SE(44)032161	935	49.2	60.28	...	...
D	Rishworth Lodge	.. Wakefield Corpn. W.W.	SE(44)026165	950	49.8	59.88	238	197
w	Rishworth (Pike End)	.. Wakefield Corpn. W.W.	SE(44)017168	1225	...	63.11	...	...
D	Rishworth (Ringstone Res.) lower	.. Wakefield Corpn. W.W.	SE(44)048178	962	48.5	55.26	230	184
w	Soyland Moor (Greystones)	.. Wakefield Corpn. W.W.	SE(44)002179	1192	53.6	61.50	...	...
w	Soyland Moor (Waystone Drain)	.. Wakefield Corpn. W.W.	SD(34)998148	1200	55.6	63.23	...	...
D	Soyland Moor (Stansfield Hey) (+ A)	.. Wakefield Corpn. W.W.	SE(44)024189	700	...	51.28	221	183
w	Soyland Moor (Baitings)	.. Wakefield Corpn. W.W.	SE(44)004190	943	52.3	58.25	...	...
w	Soyland Moor (Manshead)	.. Wakefield Corpn. W.W.	SE(44)004198	1225	52.1	61.87	...	...
w	Soyland Moor (Turvin 1)	.. Wakefield Corpn. W.W.	SD(34)984197	1201	50.5	61.14	...	...
w	Soyland Moor (Turvin 2)	.. Wakefield Corpn. W.W.	SD(34)998214	996	...	56.41	...	...
D	Walsden (White Holme)	.. C. Busfield, Esq., C.E.	SD(34)975203	1240	49.7	55.86	232	187
D	§Walsden (Calf Lee)	.. Rochdale Corporation	SD(34)953201	945	50.2	58.77	222	193
D	§Walsden (Warland Reservoir)	.. Rochdale Corporation	SD(34)954215	1250	52.5	60.84	216	196
D	§Walsden (Warland Drain)	.. Rochdale Corporation	SD(34)971217	1250	54.3	64.39	215	198
D	Horbury (Town Hall)	.. Public Health Inspector	SE(44)297185	250	25.8	32.42	159	137
D	Wakefield (Sewage Works)	.. Yorkshire Ouse River Board	SE(44)346203	80	25.0	31.16	181	135
D	WAKEFIELD (Clarence Park)	.. Corporation ..	SE(44)327199	115	26.4	30.86	185	138
D	Brighouse (Lands Reservoir)	.. Engineer & Manager	SE(44)131205	612	...	40.43	212	171
D	Normanton Sewage Works	.. T. F. Copp, Esq., B.Sc.	SE(44)394241	53	...	29.47	168	135
w	Walsden (Ramsden Hill)	.. Rochdale Corporation	SD(34)917208	1326	53.3	65.91	...	...
D	Walsden (Ramsden Reservoir)	.. Rochdale Corporation	SD(34)915214	995	53.5	63.44	234	200
D	Todmorden (Gorpley Reservoir)	.. Borough Engineer	SD(34)907229	900	57.6	63.91	239	206
D	Todmorden (Fielden Hospital)	.. L. A. Crabtree, Esq.	SD(34)965244	650	51.6	55.85	241	182
d	Todmorden (Lower Laith)	.. D. A. Lord, Esq., F.R.Met.S.	SD(34)943244	500	51.7	54.66	213	177
d	Halifax (Public Library)	.. Librarian ..	SE(44)085250	625	35.6	41.18	...	...
D	Dewsbury (Mitchell Laithes Sew. Wks.)	.. Manager ..	SE(44)252202	115	25.6	34.09	188	142
D	Dewsbury (Crow Nest Park)	.. Superintendent of Parks	SE(44)232214	300	27.2	33.33	242	130
D	Heckmondwike (The Bottoms)	.. Spenborough U.D.C.	SE(44)220224	165	27.4	34.48	175	140
D	Batley (Staincliffe Reservoir)	.. H. P. Joyce, Esq., C.E.	SE(44)229236	492	27.3	36.51	181	132
D	Ardsley (Jaw Hill Filters)	.. Wakefield Corpn. W.W.	SE(44)293233	315	25.7	30.80	183	141
D	Ardsley Reservoir (Upper)	.. Wakefield Corpn. W.W.	SE(44)287248	395	26.0	30.06	198	146
D	Halifax W.W. (Albert Reservoir)	.. A. L. Gray, Esq., B.Sc.	SE(44)074256	795	38.6	45.73	229	176
D	Todmorden (Eastwood Sew. Wks.)	.. Manager ..	SD(34)970260	368	48.1	54.95	229	170
D	Mytholmroyd (Byclough)	.. R. Hayhurst, Esq.	SE(44)019265	450	...	49.51	225	178
D	Mytholmroyd (Redacre)	.. C. H. Brock, Esq., C.E.	SE(44)008263	315	...	47.49	221	177
D	Halifax W.W. (Ramsden Wood)	.. A. L. Gray, Esq., B.Sc.	SE(44)059271	815	43.1	46.96	218	180
D	§Halifax W.W. (Castle Carr Lodge)	.. A. L. Gray, Esq., B.Sc.	SE(44)026297	1060	44.2	53.25	230	189
w	§Halifax W.W. (Gorple Res.)	No. 2 A. L. Gray, Esq., B.Sc.	SD(34)930301	1275	57.6	57.28	...	...
w	§Halifax W.W. (Copp)	.. A. L. Gray, Esq., B.Sc.	SD(34)957305	1135	53.4	54.28	...	...
w	§Halifax W.W. (Midgley Moor)	.. A. L. Gray, Esq., B.Sc.	SE(44)016306	1350	47.0	57.23	...	...
w	§Halifax W.W. (Gorple Res.)	No. 3 A. L. Gray, Esq., B.Sc.	SD(34)918311	1160	53.5	56.44	...	...
w	§Halifax W.W. (Warley Moor)	.. A. L. Gray, Esq., B.Sc.	SE(44)032312	1325	47.7	58.47	...	...
D	Halifax W.W. (Ogden)	.. A. L. Gray, Esq., B.Sc.	SE(44)062306	990	42.3	50.45	225	179
w	Halifax W.W. (Ovenden Moor)	.. A. L. Gray, Esq., B.Sc.	SE(44)049316	1375	47.9	53.11	...	...
w	Halifax W.W. (Widdop Res.)	No. 4 A. L. Gray, Esq., B.Sc.	SD(34)927327	1060	54.5	56.60	...	...

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain- fall	1958		
				National grid reference	Altitude		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
WEST RIDING—(contd.)					ft.	in.	in.		
8.—OUSE. Aire. Calder—(contd.)									
D	§Halifax W.W. (Widdop Res.)	No. 2	A. L. Gray, Esq., B.Sc.	SD(34)931331	1065	54.2	56.84	233	195
w	§Halifax W.W. (Widdop Res.)	No. 3	A. L. Gray, Esq., B.Sc.	SD(34)923331	1060	53.2	55.82	...	...
D	§Halifax W.W. (Walshaw Dean Lodge)		A. L. Gray, Esq., B.Sc.	SD(34)962335	1040	...	57.17	240	197
w	§Halifax W.W. (Walshaw Dean)	No. 3	A. L. Gray, Esq., B.Sc.	SD(34)962344	1180	57.8	60.53	...	...
w	§Halifax W.W. (Widdop Res.)	No. 5	A. L. Gray, Esq., B.Sc.	SD(34)942348	1280	56.7	60.73	...	...
w	§Halifax W.W. (Walshaw Dean)	No. 4	A. L. Gray, Esq., B.Sc.	SD(34)956335	1425	...	60.85	...	...
9.—OUSE. Aire. 504 sq. mi.									
D	PONTEFRAC (The King's School)		Headmaster	SE(44)454213	255	23.9	28.94	185	137
D	Pontefract (Roall Waterworks)		A. F. Richmond, Esq., C.E.	SE(44)568244	42	24.6	27.80	200	136
D	Goole (Sewage Pumping Station)		Borough Engineer	SE(44)748250	10	26.2	26.96	180	140
D	Rothwell (Lemonroyd Sewage Works)		Rothwell U.D.C.	SE(44)375282	64	24.5	30.11	204	131
D	Selby (Brayton Barff Waterworks)		Waterworks Engineer	SE(44)585305	173	25.9	28.74	203	143
	Bradford (Brayshaw Reservoir)		Waterworks Engineer	SE(44)122306	982	38.3	43.91	...	...
D	Bradford (Bowling Cemetery)	(+ A)	City Surveyor	SE(44)174308	600	35.0	39.29	195	163
D	Bradford (Shearbridge Depot)	(+ A)	City Surveyor	SE(44)152325	400	33.8	38.22	195	160
D	Bradford (Horton Park)		City Surveyor	SE(44)146316	597	35.1	40.36	197	161
D	Bradford (Thornton Cemetery)		City Surveyor	SE(44)088330	1003	38.1	42.90	225	164
D	Bradford (Peel Park)		City Surveyor	SE(44)168348	450	33.0	38.40	204	154
D	BRADFORD (Lister Park)		Corporation	SE(44)149352	439	33.6	39.06	212	154
D	Bradford (Thornton Moor Filters)		Waterworks Engineer	SE(44)051334	1190	48.3	54.02	233	192
D	Bradford (Stubden Reservoir)		Waterworks Engineer	SE(44)057332	1071	47.5	56.16	241	189
M	Bradford (Nan Scar, Oxenhope)		Waterworks Engineer	SE(44)037334	1101	49.5	56.33	...	...
M	Bradford (Stairs Top, Oxenhope)		Waterworks Engineer	SE(44)004339	1360	54.0	59.57	...	...
D	Bradford (Leeming Reservoir)		Waterworks Engineer	SE(44)040340	850	46.4	48.58	226	182
D	Bradford (Doe Park Reservoir)		Waterworks Engineer	SE(44)077341	754	42.6	46.59	217	172
D	Bradford (Leeshaw Reservoir)		Waterworks Engineer	SE(44)011351	875	51.1	57.47	259	196
M	Bradford (Chellow Dean Reservoir)		Waterworks Engineer	SE(44)124345	645	36.7	42.44	...	...
D	§Bradford (Chellow Heights Reservoir)		Waterworks Engineer	SE(44)116352	848	36.8	43.72	209	171
D	Bradford (Hewenden Reservoir)		Waterworks Engineer	SE(44)072355	707	41.8	46.94	231	174
D	Bradford (Heaton Reservoir)		Waterworks Engineer	SE(44)145354	531	34.1	38.34	212	155
D	Leeds (Farnley Hall)	(+ A)	City Engineer	SE(44)248323	405	28.3	33.80	199	147
	Leeds (Wortley Reservoir)		K. L. Forster, Esq., C.E.	SE(44)267326	307	28.2	32.53	183	148
	Leeds (Knostrop)		K. L. Forster, Esq., C.E.	SE(44)324313	75	24.1	31.71	170	148
	Leeds (Woodhouse Moor)		K. L. Forster, Esq., C.E.	SE(44)291350	307	27.9	32.43	190	161
D	Seacroft (Leeds City Hospital)		Medical Superintendent	SE(44)349346	235	...	34.53	173	144
D	Leeds (Allerton Grange Rise)		E. J. Tibbs, Esq.	SE(44)305379	450	...	32.16	195	143
D	Leeds (Roundhay Park)	(+ A)	City Engineer	SE(44)330383	425	29.8	33.05	190	147
D	Haworth (Harbour Lodge)		G. E. V. Boldry, Esq., C.E.	SD(34)996353	1165	52.9	56.16	247	208
D	Haworth (Lower Laithe Res.)	(+ A)	G. E. V. Boldry, Esq., C.E.	SE(44)015367	772	48.5	52.23	225	184
D	§Oakworth (Oldfield Filters)		G. E. V. Boldry, Esq., C.E.	SE(44)003379	978	48.7	50.32	233	193
M	§Oakworth (Clough Hey)		G. E. V. Boldry, Esq., C.E.	SD(34)998394	1075	50.1	53.36	...	...
w	Oakworth (Newsholme Dean)		G. E. V. Boldry, Esq., C.E.	SE(44)019404	675	44.0	44.57	...	...
M	§Oakworth (Keighley Moor)	No. 2	G. E. V. Boldry, Esq., C.E.	SD(34)994408	1025	52.1	53.29	...	...
D	Rawdon (Sewage Works)		Aireborough U.D.C.	SE(44)213380	150	28.2	33.12	168	134
D	Rawdon (Micklefield House)		Aireborough U.D.C.	SE(44)207398	579	...	33.28	192	151
D	BINGLEY (St. Ives Research Station)		Director	SE(44)092389	610	35.7	40.41	200	156
D	§Bingley (Gilstead Filters)		Engineer, Bradford W.W.	SE(44)118393	572	34.7	40.98	227	165
D	Baildon (Weecher Reservoir)		Surveyor & W.W. Engineer	SE(44)136423	825	34.4	36.82	234	158
D	Hawksworth (Reva Reservoir)		Yeadon W.W. Co.	SE(44)153426	735	32.1	34.65	213	158
D	Adel (Lawns Wood Cemetery)		W. R. Pearson, Esq.	SE(44)267391	470	30.5	33.24	226	153

§ Turf wall round gauge

DIVISION IX—YORKSHIRE—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
WEST RIDING—(contd.)				ft.	in.	in.		
9.—OUSE. Aire—(contd.)								
d	Keighley (Hard Ings Lane)	Chief Sanitary Inspector ..	SE(44)068421	304	36.4	37.21	...	...
M	Bingley (Sunnydale Res.)	Engineer, Bradford W.W. ..	SE(44)099432	825	...	(38.52)	...	...
d	Guiseley (Moor Top)	Aireborough U.D.C. ..	SE(44)192435	750	30.3	34.20	...	...
d	Salterforth (Barnoldswick Waterworks)	Barnoldswick U.D.C. ..	SD(34)880440	832	49.6	51.05	201	168
D	Earby (Sewage Works) .. (+ A)	Surveyor	SD(34)909472	426	40.9	43.91	202	163
D	Silsden Reservoir	Engineer, Bradford W.W. ..	SE(44)045476	560	35.3	38.02	208	161
M	Silsden (Cringles Reservoir Site) ..	Engineer, Bradford W.W. ..	SE(44)042491	715	34.3	40.18	...	...
D	Elslack (Stories Farm)	Barnoldswick U.D.C. ..	SD(34)937484	675	41.7	47.49	180	162
D	Skipton (Town Hall) .. (+ A)	K. B. Robinson, Esq. ..	SD(34)991518	367	35.4	40.29	219	169
D	Gargrave (Raybridge Hill)	British Waterways	SD(34)939549	459	...	47.16	196	181
d	Winterburn (Long Hill)	British Waterways	SD(34)946604	705	...	54.01	...	...
d	Malham (Lee Gate)	British Waterways	SD(34)926645	1175	51.6	53.21	...	...
D	Settle (MALHAM TARN)	C. Promotion Field Studies	SD(34)893672	1297	60.3	61.04	239	187
10.—OUSE. Wharfe. 408 sq. mi.								
D	CAWOOD (Exp. Husbandry Farm) ..	Director	SE(44)561366	20	24.5	25.98	171	129
D	BRAMHAM (Headley Hall)	Leeds University	SE(44)441412	177	26.5	29.42	195	138
	Adel (Eccup, East)	K. L. Forster, Esq., C.E. ..	SE(44)309418	375	32.2	34.27	211	152
	Harewood (Arthington)	K. L. Forster, Esq., C.E. ..	SE(44)261452	139	...	32.67	200	147
D	Harewood House	The Earl of Harewood ..	SE(44)308442	300	32.4	35.50	176	140
D	Otley (Sewage Works)	J. A. A. Pratt, Esq., C.E. ..	SE(44)212461	172	...	30.66	178	138
D	ILKLEY (Spence's Garden)	Engineer & Surveyor ..	SE(44)113476	315	37.7	39.45	202	155
D	ASKHAM BRYAN	Yorkshire Inst. of Agric. ..	SE(44)552475	90	26.0	28.96	193	142
	§Leathley (Lindley Woods)	K. L. Forster, Esq., C.E. ..	SE(44)217486	312	31.8	35.86	215	154
D	Ilkley (March Ghyll Reservoir) ..	J. A. A. Pratt, Esq., C.E. ..	SE(44)123510	705	...	42.00	198	168
D	York (Acomb Landing)	York Waterworks Co. ..	SE(44)582526	40	24.7	27.98	199	136
	Skipton (Counter Hill)	Engineer, Bradford W.W. ..	SE(44)050500	951	...	39.74	...	...
D	Skipton (Chelker Reservoir)	Engineer, Bradford W.W. ..	SE(44)051517	730	...	40.19	215	175
d	Beamsley (Overdale)	Mrs. A. Downs	SE(44)077529	420	35.3	40.72	...	...
	§Fewston (Timble Ings)	K. L. Forster, Esq., C.E. ..	SE(44)156526	912	41.3	49.29	227	180
	§Fewston (Swinsty, East)	K. L. Forster, Esq., C.E. ..	SE(44)197525	460	34.7	35.67	200	145
	§Fewston, North	K. L. Forster, Esq., C.E. ..	SE(44)187543	525	35.7	41.38	205	159
	§Fewston (Blubberhouses)	K. L. Forster, Esq., C.E. ..	SE(44)166553	575	39.5	45.73	198	168
D	Bolton Abbey (Estate Office) ..	E. E. Hey, Esq.	SE(44)072540	368	37.5	42.60	208	168
D	§Barden Reservoir	Engineer, Bradford W.W. ..	SE(44)035563	746	45.2	57.21	244	196
M	Upper Barden Reservoir	Engineer, Bradford W.W. ..	SE(44)016576	1164	50.0	57.31	...	...
	§Rocking Moor (Spittle Ings) ..	K. L. Forster, Esq., C.E. ..	SE(44)135567	967	44.5	50.33	177	162
	§Thruscross (Lane Head)	K. L. Forster, Esq., C.E. ..	SE(44)129588	950	42.0	49.35	162	154
	§Burnsall (Thorpe Fell)	Engineer, Bradford W.W. ..	SE(44)007597	1649	52.2	61.21	...	...
	Burnsall (Sandbed Beck)	Engineer, Bradford W.W. ..	SE(44)019614	676	44.9	48.09	...	...
	§Braithwaite Moor (High House) ..	K. L. Forster, Esq., C.E. ..	SE(44)136610	1068	46.1	52.83	172	155
D	Threshfield	Miss D. Bailey, M.A., M.Sc.*	SD(34)995638	595	...	50.09	228	174
D	Grimwith Reservoir	Engineer, Bradford W.W. ..	SE(44)062642	884	46.5	48.12	225	169
M	Grimwith (Trunla Hill)	Engineer, Bradford W.W. ..	SE(44)069657	1201	49.1	50.31	...	...
D	Kettlewell	Yorkshire Ouse River Board	SD(34)971722	694	...	56.70	224	181
D	Litton (Manor Cottage)	G. S. Sweeting, Esq. ..	SD(34)908741	825	...	59.62	223	185
11.—OUSE. Nidd. 254 sq. mi.								
	Spofforth (Sewage Works)	Harrogate Corporation ..	SE(44)377521	181	29.4	28.85	200	151
D	Tockwith School	W. Kirk, Esq.*	SE(44)468524	77	27.4	30.03	193	147
	§Harrogate W.W. (Ling Cottage) ..	Water Engineer, Harrogate	SE(44)228521	763	34.0	40.33	...	...

* Per Yorkshire Ouse River Board.

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
WEST RIDING—(contd.)				ft.	in.	in.		
11.—OUSE. Nidd—(contd.)								
	Harrogate W.W. (Broad Dubb)	Water Engineer, Harrogate	SE(44)219530	725	34.6	39.86	...	...
	Harrogate W.W. (Cobblers Cottage)	Water Engineer, Harrogate	SE(44)239525	730	33.9	38.29	...	...
D	Harrogate W.W. (Scargill Res.)	Water Engineer, Harrogate	SE(44)232537	646	35.1	41.16	245	169
D	§Harrogate W.W. (Beaverdyke Res.)	Water Engineer, Harrogate	SE(44)229547	575	...	41.05	253	175
	Harrogate (John O'Gaunt's)	Water Engineer, Harrogate	SE(44)215544	600	...	39.42	...	...
M	§Harrogate W.W. (Long Stoop)	Water Engineer, Harrogate	SE(44)212552	700	34.4	41.99	...	...
	Harrogate W.W. (Knabb's Moor)	Water Engineer, Harrogate	SE(44)237557	700	33.2	40.92	...	...
D	Harrogate (Harlow Hill Reservoir)	Water Engineer, Harrogate	SE(44)289542	549	...	33.63	183	154
D	Harrogate (Irongatebridge Reservoir)	Water Engineer, Harrogate	SE(44)287548	455	32.3	34.72	196	144
d	Knaresborough (Water Tower)	Water Engineer, Harrogate	SE(44)348567	240	28.7	31.94	...	...
D	HARROGATE (Bilton Sewage Works)	Corporation	SE(44)303579	208	31.2	34.98	200	142
D	KILLINGHALL (LEVEN'S HALL)	Director, Poultry Test. Stn.	SE(44)273578	365	...	35.33	183	150
D	Birstwith Hall	Sir Cecil Aykroyd, Bart.	SE(44)242583	325	37.0	40.13	181	167
D	Pateley Bridge (Round Hill)	W. J. Strachan, Esq.	SE(44)127651	865	...	46.25	209	165
M	Ramsgill (Holme House, Gouthwaite)	Engineer, Bradford W.W.	SE(44)128699	464	41.3	43.54	...	...
D	Ramsgill (Raygill House)	Engineer, Bradford W.W.	SE(44)110704	925	...	50.62	188	173
D	Ramsgill	Engineer, Bradford W.W.	SE(44)120709	450	44.3	47.32	198	167
M	Nidderdale (East Gill Head)	Engineer, Bradford W.W.	SE(44)035741	1710	61.2	61.61	...	...
M	§Nidderdale (Rain Stang)	Engineer, Bradford W.W.	SE(44)079758	1470	50.8	56.36	...	...
M	Nidderdale (New Houses)	Engineer, Bradford W.W.	SE(44)094768	755	46.3	48.46	...	...
D	Nidderdale (West Houses)	Engineer, Bradford W.W.	SE(44)043766	1165	57.8	58.73	226	182
D	Scar House Reservoir	Engineer, Bradford W.W.	SE(44)065766	1085	48.4	55.54	223	168
12.—OUSE. Ure. 110 sq. mi.								
D	Burton Leonard	W. Clough, Esq.	SE(44)330638	275	27.8	30.02	180	149
	Pateley Bridge (Skell Beck)	Water Engineer, Harrogate	SE(44)188688	900	42.3	42.89	...	...
	§Dallow Moor (Harper Hill)	K. L. Forster, Esq., C.E.	SE(44)197702	819	38.6	43.79	199	166
D	Ripon (Whitcliffe Lane)	S. B. St. J. Crawford, Esq.	SE(44)307704	135	...	30.76	188	138
	§Kirkby Malzeard (Drovers' Inn)	K. L. Forster, Esq., C.E.	SE(44)213722	576	39.0	43.03	211	162
	§Kirkby Malzeard (Hawsett)	K. L. Forster, Esq., C.E.	SE(44)184729	820	38.7	40.25	148	125
w	§Kirkby Malzeard (Hambleton Hill)	K. L. Forster, Esq., C.E.	SE(44)160730	1106	40.8	44.70	...	...
	§Kirkby Malzeard (Bagwith Brae)	K. L. Forster, Esq., C.E.	SE(44)195747	703	38.6	44.29	191	164
w	§Kirkby M. (Stone & Ears Wham)	K. L. Forster, Esq., C.E.	SE(44)168751	1118	40.9	48.05	...	...
EAST RIDING. (Area, 1,176 sq. mi.)								
1.—OUSE. Left Bank Tributaries. 82 sq. mi.								
D	Riccall	Yorkshire Ouse River Board	SE(44)608373	18	24.4	25.62	190	128
D	York (The Retreat)	Secretary	SE(44)615508	60	26.6	31.39	196	145
2.—OUSE. Derwent. 248 sq. mi.								
D	Warter	Yorkshire Ouse River Board	SE(44)862502	290	29.7	31.24	195	143
D	Birdsall Gardens	Mr. J. Anderson	SE(44)815648	308	30.4	36.28	199	143
D	Rillington (Scampston Hall)	Mr. E. W. Hodgson*	SE(44)864757	102	28.4	31.52	197	143
d	Ganton (Golf Club)	Secretary	SE(44)983780	100	27.9	28.41	...	140
D	Ganton (Ganton Hall)	E. W. Wrigley, Esq.	SE(44)995769	250	28.8	30.20	194	137

§ Turf wall round gauge.

* Per Yorkshire Ouse River Board.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
EAST RIDING—(contd.)				ft.	in.	in.		
3.—HUMBER. Left Bank Tributaries. 675 sq. mi.								
D	Easington (Primary School)	T. J. Boon, Esq.**	TA(54)399194	30	24.2	26.27	219	132
D	Hessle (Sandford)	C. S. Sherwood, Esq.	TA(54)026262	90	26.4	28.96	186	138
D	North Ferriby (Swanland)	D. A. Reaveley, Esq.	SE(44)997280	252	...	29.18	191	132
D	HULL (Pearson Park)	General Superintendent	TA(54)084302	8	25.4	28.59	174	134
D	Hull (Springhead)	Hull Waterworks	TA(54)042294	14	25.5	28.59	187	131
D	Burton Pidsea (The Nurseries) ..	C. Bromby, Esq.	TA(54)246314	23	24.8	26.76	195	129
D	Cottingham (Dunswell Pumping Stn.)	Hull Waterworks	TA(54)069350	6	24.8	28.10	183	129
D	Holme-on-Spalding Moor (Parkgate)	G. Allan, Esq.	SE(44)813382	30	26.3	28.43	212	133
D	Beverley (Lairgate)	Borough Engineer	TA(54)033393	34	...	27.68	177	132
D	Beverley (Hull Bridge)	Hull & E. Yorks River Bd.	TA(54)054417	11	25.8	28.08	177	142
D	Market Weighton (Dalton Holme) ..	Rt. Hon. Lord Hotham ..	SE(44)963453	120	28.5	29.52	185	138
D	Brandesburton Hall (Lodge)	Physician Superintendent ..	TA(54)112477	27	26.3	27.42	185	137
D	Brandesburton (Hempholme Lock) ..	Hull & E. Yorks River Bd.	TA(54)080498	11	25.9	27.74	183	136
D	Hutton Cranswick (The Green) ..	C. McCall, Esq.**	TA(54)023522	66	26.2	32.70	199	144
D	Hutton Cranswick (Vicarage)	Rev. G. Storer	TA(54)025534	79	...	27.00	195	131
D	Driffield (County Secondary School)	Headmaster	TA(54)030579	69	...	27.26	175	125
D	DRIFFIELD Airfield (+A)	Meteorological Office	TA(54)004565	69	26.1	29.82	196	127
D	Wetwang (Primary School)	E. W. M. Waite, Esq.** ..	SE(44)933589	221	...	32.75	199	143
D	Lowthorpe (Woodman's Cottage) ..	K. Kettlewell, Esq.	TA(54)084608	63	26.3	28.01	203	133
d	Langtoft School	A. N. Colley, Esq.	TA(54)009670	250	27.8	31.64	...	...
4.—EAST COAST STREAMS. 171 sq. mi.								
D	Hornsea (Town Hall)	Hornsea U.D.C.	TA(54)207482	12	24.3	26.65	184	132
D	Burton Agnes (Pumping Station) ..	H. South, Esq., C.E.	TA(54)110634	52	26.5	27.98	216	136
D	§BRIDLINGTON (Mill Lane)	H. South, Esq., C.E.	TA(54)173686	157	27.4	28.22	216	133
D	HIGH MOWTHORPE	Farm Director	SE(44)885688	574	30.6	33.32	214	137
D	Filey (Rosedale Reservoir)	Water Engineer	TA(54)114766	197	29.7	28.49	190	128
D	Filey (Pumping Station)	Water Engineer	TA(54)114807	123	24.5	26.67	184	132
D	FILEY	Water Engineer	TA(54)113801	122	...	25.68	194	129
NORTH RIDING. (Area, 2,155 sq. mi.)								
1.—OUSE. Ure. 273 sq. mi.								
M	Masham Moor (Arnagill Beck West)	Water Engineer, Harrogate	SE(44)145746	1210	43.3	46.04	...	...
M	Masham Moor (Arnagill Beck East)	Water Engineer, Harrogate	SE(44)162756	1150	41.9	46.11	...	...
M	Masham Moor (Low Ash Head)	Water Engineer, Harrogate	SE(44)140763	845	44.0	56.36	...	...
M	Masham Moor (Agill Head)	Water Engineer, Harrogate	SE(44)114766	1380	47.1	49.60	...	...
D	Masham Moor (Roundhill Reservoir)	Water Engineer, Harrogate	SE(44)151777	743	...	45.82	211	166
D	§Masham Moor (Somerside)	K. L. Forster, Esq., C.E. ..	SE(44)143773	928	41.5	44.71	211	168
w	§Masham Moor (High Sour Mire) ..	K. L. Forster, Esq., C.E. ..	SE(44)143790	884	39.9	44.44	...	...
	§Masham Moor (Leighton Reservoir)	K. L. Forster, Esq., C.E. ..	SE(44)161790	634	37.5	42.81	218	162
	§Masham Moor (Towler Hill)	K. L. Forster, Esq., C.E. ..	SE(44)154798	820	38.7	42.44	214	159
	§Masham Moor (Breary Bank)	K. L. Forster, Esq., C.E. ..	SE(44)158802	600	39.2	41.77	214	158
	§Masham Moor (Healey Pasture) ..	K. L. Forster, Esq., C.E. ..	SE(44)157808	620	38.2	41.97	214	157
	§Masham Moor (Low Houses)	K. L. Forster, Esq., C.E. ..	SE(44)137812	693	40.4	43.31	200	165
D	Bishopdale (Longridge)	Yorkshire Ouse River Board	SD(34)960832	810	57.4	58.52	194	166
D	Hawes (Sewage Works)	Yorkshire Ouse River Board	SD(34)874902	745	57.1	52.09	221	169
D	Leyburn (Spennithorne)	F. M. Curtis, Esq., F.R.Met.S.	SE(44)137887	358	31.8	33.32	205	137

§ Turf wall round gauge.

** Per Hull & East Yorks River Board.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
NORTH RIDING—(contd.)				ft.	in.	in.		
1.—OUSE. Ure—(contd.)								
D	Leyburn (Bolton Hall)	Head Gardener	SE(44)075897	420	34.9	39.60	195	163
D	Askrigg (Yorbridge Grammar School)	F. E. Chevins, Esq.	SD(34)945907	670	42.2	40.73	198	159
D	Bainbridge	Yorkshire Ouse River Board	SD(34)934902	710	...	44.62	202	162
d	Hawes Junction (Moorland Cottage)	Mr. W. Ireland	SD(34)807923	1125	72.1	63.78	208	190
2.—OUSE. Swale. 569 sq. mi.								
D	DISHFORTH Airfield	(+ A) Meteorological Office	SE(44)379723	106	25.0	28.19	186	139
d	Coxwold (The Old Hall)	L. Geipel, Esq.	SE(44)534773	260	28.9	29.50	...	...
D	Thirsk (Topcliffe Airfield)	(+ A) Meteorological Office	SE(44)405790	81	25.4	24.54	...	...
d	Thirsk (Ashton House)	Mrs. F. E. Walker	SE(44)432808	112	26.6	24.18	193	135
d	Thirsk (Sowerby)	Mrs. M. Brown	SE(44)433811	110	26.8	25.06	...	...
D	Thirsk (South Villa)	B. Foggitt, Esq.	SE(44)429818	115	26.8	25.39	187	135
D	Felixkirk (Thirlby)	A. J. Walker, Esq.	SE(44)490840	315	29.3	33.10	...	...
D	Felixkirk (Mount St. John)	(+ A) A. J. Walker, Esq.	SE(44)474848	540	28.9	31.52	192	147
	Boltby, East	A. J. Walker, Esq.	SE(44)491866	459	31.4	37.23	...	...
d	Leeming Airfield	(+ A) Meteorological Office	SE(44)305890	105	...	23.51	...	...
d	Maunby Hall	Col. A. Hill-Walker, V.C.	SE(44)355883	90	36.3	27.95	...	...
D	Scruton (Post Office)	Yorkshire Ouse River Board	SE(44)300923	110	25.9	29.22	187	143
D	Tunstall (Craggs Lane Farm)	E. B. Potts, Esq.	SE(44)199945	550	29.6	32.21	...	...
	Mucker (Butter Tubs)	C.E. Dept. Leeds University	SD(34)86995 ^a	1760	...	53.44	...	...
D	Swalesdale (Rowleth End)	S. H. Clarke, Esq.	SD(34)971975	700	45.4	45.65	229	171
D	Swalesdale (Gunnorside Lodge)	The Rt. Hon. Lord Peel	SD(34)934982	985	48.1	45.45	209	167
D	Osmotherley (Filter Station)	Northallerton & Dist. W.Bd.	SE(44)458968	482	...	32.36	208	159
	Osmotherley (Oakdale W.W.)	Northallerton & Dist. W.Bd.	SE(44)466966	600	31.8	31.56	...	...
D	Grinton Lodge	(+ A) Yorkshire Ouse River Board	SE(44)049976	865	...	38.90	210	162
D	East Harlsey (Harlsey Hall)	Late Mrs. Constantine	SE(44)428996	370	26.8	28.62	198	146
D	Swalesdale (Keld)	Yorkshire Ouse River Board	NY(35)893001	1040	59.0	52.43	229	182
D	Richmond (Green Howard Rd.)	(+ A) Borough Surveyor*	NZ(45)172016	605	33.4	34.79	201	151
d	Arkengarthdale	Yorkshire Ouse River Board	NZ(45)001029	926	...	42.69	203	162
	Tan Hill.	C.E. Dept. Leeds University	NY(35)889064	1780	...	54.40	...	...
3.—OUSE. Left Bank Tributaries. 153 sq. mi.								
D	YORK (Museum)	Yorks. Phil. Soc. (Dr. Collinge)	SE(44)598522	57	24.7	28.15	196	145
d	Linton-on-Ouse Airfield	Meteorological Office	SE(44)492613	46	...	26.11	...	...
d	Alne	Yorkshire Ouse River Board	SE(44)496653	40	...	27.35	...	...
d	Easingwold	Yorkshire Ouse River Board	SE(44)528693	95	...	28.00	189	129
4.—OUSE. Derwent. 509 sq. mi.								
D	Welburn (Castle Howard Fm. Sch.)	Yorkshire Ouse River Board	SE(44)736674	110	...	29.48	195	145
	East Ness	Ryedale Joint Water Board*	SE(44)695788	140	...	30.24	...	...
D	AMPLEFORTH	(+ A) Rev. M. R. Everest	SE(44)598789	313	30.0	31.01	194	147
D	Oswaldkirk (Leysthorpe Hall)	Major G. B. Foster	SE(44)636789	231	28.2	30.83	196	151
d	Nunnington Hall Gardens	P. J. B. Clive, Esq.	SE(44)670794	110	27.0	28.90	...	...
D	Pickering (Porters Headland)	J. Randall, Esq.	SE(44)795843	143	...	29.12	224	141
d	Wykeham Nursery	Forestry Commission	SE(44)948861	475	...	32.56	...	...
D	Seamer (Irtton Pumping Station)	H. V. Overfield, Esq., C.E.	TA(54)005841	94	27.2	30.92	203	139
D	Scarborough (Osgodby)	H. V. Overfield, Esq., C.E.	TA(54)056840	166	26.9	27.14	172	137
D	Kirkby Moorside (Ravenswyke)	Lt.-Col. V. H. Holt, M.C., J.P.	SE(44)706873	270	29.4	32.26	192	150
D	Hutton-le-Hole (Elphield)	R. W. Crosland, Esq.	SE(44)705900	340	33.2	35.65	215	160
D	Bilsdale (St. John's Church)	Yorkshire Ouse River Board	SE(44)574946	435	35.9	36.84	211	158
D	SILPHO MOOR	Forestry Commission	SE(44)957946	662	33.6	35.38	238	153

* Per Yorkshire Ouse River Board.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958			
				National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more	
NORTH RIDING—(contd.)					ft.	in.	in.			
4.—OUSE. Derwent—(contd.)										
D	Farndale (Vicarage)	.. ..	(+ A) Hull Waterworks	.. ..	SE(44)672975	495	38.2	35.61	194	160
M	Bransdale 3	.. ..	Hull Waterworks	.. ..	SE(44)619982	739	41.7	39.70	...	...
M	Farndale 10	.. ..	Hull Waterworks	.. ..	SE(44)642997	574	43.3	40.01	...	...
M	Farndale 13	.. ..	Hull Waterworks	.. ..	SE(44)674997	1055	41.9	39.60	...	...
M	§Rosedale 18	.. ..	Hull Waterworks	.. ..	NZ(45)704007	1337	42.8	44.58	...	...
M	Rosedale 14A	.. ..	Hull Waterworks	.. ..	NZ(45)678018	1339	44.5	41.72	...	...
5.—ESK & C. 278 sq. mi.										
D	SCARBOROUGH	.. ..	(+ A) Medical Officer of Health	.. ..	TA(54)044884	118	25.6	28.49	193	136
D	Cloughton (Old Mill)	.. ..	Yorkshire Ouse River Board	.. ..	TA(54)010936	150	...	31.61	209	143
W	Goathland (Hydro)	.. ..	E. N. Burn, Esq.	.. ..	NZ(45)835012	450	...	34.67	...	...
D	Westerdale	.. ..	Engineer & Surveyor	.. ..	NZ(45)664052	760	...	36.88	213	149
d	Danby Lodge	.. ..	Viscount Downe*	.. ..	NZ(45)717084	399	37.6	35.91	...	...
D	WHITBY (Pannett Park)	.. ..	Park Superintendent	.. ..	NZ(45)895109	135	26.3	27.68	187	142
D	Mulgrave Castle	.. ..	Yorkshire Ouse River Board	.. ..	NZ(45)845126	410	28.9	32.53	191	142
D	Guisborough (Lockwood Reservoir)	.. ..	Cleveland Water Co.	.. ..	NZ(45)668141	632	34.1	32.13	223	154
D	Guisborough (Pinchinthorpe House)	.. ..	H. G. W. Debenham, Esq.	.. ..	NZ(45)580149	340	28.9	28.46	172	147
D	Guisborough (Grammar School)	.. ..	Headmaster	.. ..	NZ(45)616161	330	28.4	29.77	200	144
D	Saltburn (North Skelton Mine)	.. ..	Dorman, Long & Co., Ltd.	.. ..	NZ(45)675182	304	29.3	30.37	183	138
D	REDCAR	.. ..	Town Clerk	.. ..	NZ(45)599249	25	23.9	24.56	197	148
6 —TEES. 373 sq. mi.										
D	Ingleby Greenhow	.. ..	Mrs. Diana Morrell	.. ..	NZ(45)585065	500	...	32.85	198	158
d	Kildale Hall	.. ..	G. L. Horton, Esq.	.. ..	NZ(45)611095	600	36.6	34.37	192	164
D	Crathorne Hall Gardens	.. ..	Maj. Sir Thomas Dugdale	.. ..	NZ(45)444087	185	25.6	25.12	187	142
D	Barningham Park	.. ..	Sir Frederick Milbank, Bart.	.. ..	NZ(45)092099	750	36.5	44.30	205	156
d	Yarm (Worsall Hall)	.. ..	Major H. K. D. Evans	.. ..	NZ(45)394101	60	25.1	24.69	...	133
D	Nunthorpe (The Box)	.. ..	G. D. Cochrane, Esq.	.. ..	NZ(45)538149	287	27.8	27.21	196	141
D	Middlesbrough (Albert Park)	.. ..	H. C. Hildyard, Esq.	.. ..	NZ(45)494191	30	24.3	26.07	193	147
D	Middlesbrough (South Bank)	.. ..	(+ A) N. C. Harrison, Esq., C.E.	.. ..	NZ(45)543198	41	23.9	24.97	176	142
M	Baldersdale (Aygill)	.. ..	Tees Valley & Cleveland W.Bd.	.. ..	NY(35)886169	1250	49.7	49.40	...	...
D	Lartington Filters	.. ..	Tees Valley & Cleveland W.Bd.	.. ..	NZ(45)012180	735	32.8	37.13	230	156
	Baldersdale (Blackton Reservoir)	.. ..	Tees Valley & Cleveland W.Bd.	.. ..	NY(35)930182	937	43.8	44.00	...	...
	Baldersdale (Balderhead)	.. ..	Tees Valley & Cleveland W.Bd.	.. ..	NY(35)886178	1360	50.6	49.40	...	...
D	Baldersdale (Hury Res.) old g. site	.. ..	Tees Valley & Cleveland W.Bd.	.. ..	NY(35)966192	856	37.1	41.28	225	164
D	Baldersdale (Hury Res.) new g. site	.. ..	Tees Valley & Cleveland W.Bd.	.. ..	NY(35)967192	862	38.0	39.40	225	157
	Lunedale (Dow Crag)	.. ..	Tees Valley & Cleveland W.Bd.	.. ..	NY(35)838192	1720	60.9	57.55	...	...
	Lunedale (Lunehead)	.. ..	Tees Valley & Cleveland W.Bd.	.. ..	NY(35)850215	1450	60.1	53.20	...	...
	Lunedale (Selset)	.. ..	Tees Valley & Cleveland W.Bd.	.. ..	NY(35)918217	924	42.4	42.68	...	...
D	Lunedale (Grassholme Reservoir)	.. ..	Tees Valley & Cleveland W.Bd.	.. ..	NY(35)946224	936	41.0	41.87	216	163
	Lunedale (Keekham)	.. ..	Tees Valley & Cleveland W.Bd.	.. ..	NY(35)832222	1660	67.5	66.65	...	...
	Lunedale (Hargill)	.. ..	Tees Valley & Cleveland W.Bd.	.. ..	NY(35)880223	1320	57.3	53.75	...	...

DIVISION X—NORTHERN COUNTIES

DURHAM. (Area, 1,011 sq. mi.)

1.—TEES & C. 396 sq. mi.

D Darlington (South Park)	A. Peak, Esq.	NZ(45)285135	100	25.8	30.37	195	142
D Darlington (Waterworks)	(+ A) Borough Surveyor	NZ(45)258139	161	25.2	28.41	191	135

* Per Yorkshire Ouse River Board.

§ Turf wall round gauge

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
DURHAM—(contd.)				ft.	in.	in.		
1.—TEES & C.—(contd.)								
D	Darlington (Broken Scar)	.. .. Tees Valley & Cleveland W.Bd.	NZ(45)256141	158	26.3	29.05	177	133
D	Darlington (Coniscliffe Road)	.. .. Wear & Tees River Board..	NZ(45)280141	173	...	29.29	169	142
D	Darlington (Fighting Cocks Reservoir)	Tees Valley & Cleveland W.Bd.	NZ(45)342138	171	25.6	23.99	195	132
D	MIDDLETON ST. GEORGE	.. (+ A) Meteorological Office ..	NZ(45)376132	114	23.0	22.99	196	132
	Egglescliffe (Cranbourne)	.. .. Gibbons Bros. Ltd....	NZ(45)419133	93	...	26.07	...	...
D	Barnard Castle (Bowes Museum)	.. .. T. Wake, Esq.	NZ(45)055166	500	31.5	36.06	218	153
D	Long Newton Reservoir	.. .. Tees Valley & Cleveland W.Bd.	NZ(45)362164	184	25.6	26.56	205	144
D	Stockton-on-Tees (Ropner Park)	.. .. Park Curator ..	NZ(45)434182	61	23.6	27.05	169	141
D	Stockton-on-Tees (Billingham)	(+ A) Imperial Chem. Indust., Ltd.	NZ(45)461224	35	23.7	26.03	193	131
D	Staindrop (Raby Castle)	.. .. Lord Barnard, C.M.G., M.C.	NZ(45)128222	450	30.3	33.54	199	153
d	Eggleston (Wood Hill)	.. .. E. A. Smith, Esq. ..	NZ(45)028230	1000	34.6	38.02	216	160
d	Shildon (Eden Grange)	.. .. J. T. Petty, Esq. ..	NZ(45)242254	384	25.4	30.34	169	139
D	Middleton-in-Teesdale (Newbiggin)	.. .. Mrs. Coggins ..	NY(35)915276	1000	45.0	42.98	225	175
D	Forest-in-Teesdale	.. .. (+ A) Postmistress, for M.O. ..	NY(35)872295	1250	54.9	50.90	283	182
D	Embleton (Crookfoot Reservoir)	.. .. J. Clough, Esq., B.Sc.	NZ(45)431309	293	24.9	27.21	224	153
D	West Hartlepool (Catcote Road)	.. .. D. G. Wilson, Esq. ..	NZ(45)494299	70	...	25.69	211	140
D	WEST HARTLEPOOL (The Clock)	.. .. H. Lamb, Esq.	NZ(45)510327	30	24.5	24.82	203	138
D	West Hartlepool (Waterworks)	.. .. J. Clough, Esq., B.Sc.	NZ(45)509334	35	24.0	26.00	211	151
D	Hurworth Burn Reservoir	.. .. J. Clough, Esq., B.Sc.	NZ(45)409333	357	26.0	26.52	200	146
D	Hartlepool (Hart Reservoir)	.. .. J. Clough, Esq., B.Sc.	NZ(45)483343	172	22.9	27.94	216	150
D	Shotton (New Winning Pump. Stn.)	.. .. Sunderland & S. Shields W. Co.	NZ(45)407383	402	29.2	30.92	207	150
D	Peterlee (Shotton Hall)	.. .. Peterlee Dev. Corpn.	NZ(45)417399	406	...	30.18	199	157
D	Easington (Mill Hill Reservoir)	.. .. Sunderland & S. Shields W. Co.	NZ(45)413427	521	27.7	29.68	202	140
D	Seaham (Dalton Pumping Station)	.. .. Sunderland & S. Shields W. Co.	NZ(45)409471	345	27.9	27.14	201	148
2.—WEAR. 464 sq. mi.								
D	Wolsingham (Shull)	.. .. Mrs. W. A. Mounsey ..	NZ(45)091333	600	31.8	36.98	200	154
d	Stanhope (Parson Byers Quarry)	.. .. Dorman, Long & Co., Ltd.	NY(35)997376	860	33.1	33.52	...	...
	Burnhope (Grass Meres)	.. .. A. C. Wildsmith, Esq., C.E.	NY(35)825372	1850	59.7	59.25	...	...
	§Burnhope (Lodgegill Mine)	.. .. A. C. Wildsmith, Esq., C.E.	NY(35)802375	1950	65.8	62.25	...	...
D	Burnhope Reservoir	.. .. A. C. Wildsmith, Esq., C.E.	NY(35)850391	1160	54.7	47.63	228	172
	§Cowhill (Wellheads Hush)	.. .. A. C. Wildsmith, Esq., C.E.	NY(35)826404	1690	56.9	54.20	...	...
D	Durham (HOUGHALL Hort. Station)	.. .. Director of Agriculture ..	NZ(45)277405	160	27.9	28.32	196	150
D	DURHAM (Univ. Observatory)	(+ A) Director ..	NZ(45)264416	336	26.3	26.15	195	140
D	Weardale W.W. (Tunstall Reservoir)	.. .. A. C. Wildsmith, Esq., C.E.	NZ(45)063408	724	34.5	36.94	194	160
D	USHAW COLLEGE	.. .. President ..	NZ(45)219436	594	29.2	30.07	190	145
	Weardale W.W. (Waskerley 6)	.. .. A. C. Wildsmith, Esq., C.E.	NZ(45)042430	1229	35.4	35.72	...	...
	Weardale W.W. (Waskerley)	.. .. A. C. Wildsmith, Esq., C.E.	NZ(45)004433	1433	36.6	39.65	...	...
D	Weardale W.W. (Waskerley)	.. .. A. C. Wildsmith, Esq., C.E.	NZ(45)022444	1179	35.6	37.00	240	153
	Weardale W.W. (Waskerley)	.. .. A. C. Wildsmith, Esq., C.E.	NZ(42)026451	1317	...	37.71	...	...
d	Lanchester (Craigmore)	.. .. Basil Sadler, Esq. ..	NZ(45)166471	400	29.7	31.94	...	...
D	§Consett (Crockhall Sewage Works)	.. .. E. Simpkin, Esq., C.E.	NZ(45)125505	700	...	31.03	197	148
d	South Moor (Colliery Office)	.. .. Basil Sadler, Esq. ..	NZ(45)190516	616	29.8	29.95	...	...
D	Ryhope (Pumping Station)	.. .. Sunderland & S. Shields W. Co.	NZ(45)404524	228	25.9	27.34	183	138
D	Sunderland (Thorneholme)	.. .. Medical Officer of Health ..	NZ(45)392561	130	25.3	28.02	199	149
3.—TYNE. Lower. 151 sq. mi.								
D	Hunstanworth (Presser Villa)	.. .. A. C. Wildsmith, Esq., C.E.	NY(35)959478	1301	...	38.32	212	152
D	Weardale W.W. (Smiddy Shaw)	.. .. A. C. Wildsmith, Esq., C.E.	NZ(45)039462	1128	35.4	(34.06)	206	152
M	Edmondbyers Common	.. .. Sunderland & S. Shields W. Co.	NY(35)971459	1540	40.9	42.88	...	...

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
DURHAM—(contd.)				ft.	in.	in.		
3.—TYNE. Lower—(contd.)								
M	Edmondbyers (Feldon Burn)	.. Sunderland & S. Shields W. Co.	NY(35)999461	1230	36·2	39·80	...	...
M	Edmondbyers (Harehope Burn)	.. Sunderland & S. Shields W. Co.	NZ(45)011482	970	35·1	38·40	...	...
M	Hunstanworth (Nookton Burn)	.. Sunderland & S. Shields W. Co.	NY(35)909465	1360	43·7	43·30	...	...
M	Hunstanworth (Little Nookton)	.. Sunderland & S. Shields W. Co.	NY(35)931466	1290	42·0	42·85	...	...
d	Hunstanworth (Belmount)	.. Sunderland & S. Shields W. Co.	NY(35)972477	1250	37·0	40·20	...	...
d	Edmondbyers Farm	.. Sunderland & S. Shields W. Co.	NZ(45)016502	850	33·3	36·69	...	...
d	Edmondbyers (Ruffside)	.. Sunderland & S. Shields W. Co.	NZ(35)989518	730	32·4	(35·85)	...	...
d	Edmondbyers (Ridding)	.. Sunderland & S. Shields W. Co.	NZ(45)013521	680	30·7	(32·59)	...	...
d	Hunstanworth (Buckshott)	.. Sunderland & S. Shields W. Co.	NY(35)973498	960	35·0	(37·40)	...	...
D	Muggleswick	.. Sunderland & S. Shields W. Co.	NZ(45)047500	700	31·5	(35·50)	...	...
D	Westwood (Sewage Works)	.. E. Simpkin, Esq., C.E.	NZ(45)096549	255	30·1	34·46	202	159
D	Rowlands Gill (CHOPWELLWOOD)	.. Forestry Commission	NZ(45)136580	446	29·1	32·81	226	156
D	GATESHEAD	.. Medical Officer of Health	NZ(45)268604	509	27·6	30·02	188	143
	Derwenthaugh (Coke Works)	.. National Coal Board	NZ(45)192615	50	...	28·53	...	...
D	Felling-on-Tyne (Sewage Works)	.. F. Gill, Esq.	NZ(45)311603	175	...	28·48	199	141
D	Sunderland (Cleadon Pumping Stn.)	Sunderland & S. Shields W. Co.	NZ(45)387635	216	25·1	27·21	199	138
D	South Shields (Bents Park)	.. Medical Officer of Health	NZ(45)372672	36	26·6	29·33	200	145
D	South Shields (South Pier Works)	.. Tyne Improvement Commis.	NZ(45)373678	17	...	27·66	191	135
NORTHUMBERLAND. (Area, 2,105 sq. mi.)								
1.—EDEN. 20 sq. mi.								
2.—SOUTH TYNE. 232 sq. mi.								
D	Allenheads	.. T. S. Foggett, Esq.	NY(35)860453	1350	49·3	48·06	230	188
D	ALLENDALE	.. King's College	NY(35)840559	795	...	35·56	210	157
D	Haydon Bridge (Shaftoe Trust Sch.) (+ A)	Headmaster	NY(35)844639	240	29·1	31·13	198	158
3.—TYNE. Lower. 227 sq. mi.								
M	Upper Derwent (Quickleugh)	.. Sunderland & S. Shields W. Co.	NY(35)889479	1380	45·0	45·00	...	...
M	Upper Derwent (Heatheryburn)	.. Sunderland & S. Shields W. Co.	NY(35)905492	1250	43·0	43·90	...	...
D	Blanchland (Birkside)	.. Sunderland & S. Shields W. Co.	NY(35)949507	1090	34·5	37·82	210	158
	Blanchland (Cowbyers)	.. Sunderland & S. Shields W. Co.	NY(35)972516	1060	34·5	37·03	...	...
M	Blanchland (Acton Burn)	.. Sunderland & S. Shields W. Co.	NY(35)979538	850	32·7	35·30	...	...
M	Whitley Chapel (Ladle Wells)	.. Hexham U.D.C.	NY(35)878524	1250	...	39·34	...	...
D	Newcastle (Leazes Park)	.. City Engineer	NZ(45)237651	255	27·7	28·37	187	147
D	Throckley Filters	.. Newcastle & Gatesh'd W. Co.	NZ(45)153668	300	28·7	26·63	210	162
D	Hexham Reservoir	.. Hexham U.D.C.	NY(35)931632	325	27·7	32·93	193	155
D	North Shields (Billy Mill Reservoir)	.. C. F. J. Lisle, Esq., C.E.	NZ(45)341695	195	26·8	29·66	205	147
D	Tynemouth (Tyne Pier Works)	.. Tyne Improvement Commis.	NZ(45)371627	54	25·9	26·96	198	130
D	TYNEMOUTH (Coastguard Station)	.. Station Officer, for M.O.	NZ(45)374694	108	26·6	28·50	192	128
D	Whittle Dene Filters	.. Newcastle & Gatesh'd W. Co.	NZ(45)075675	353	27·9	30·69	202	153
D	Whittle Dene Reservoir	.. Newcastle & Gatesh'd W. Co.	NZ(45)066681	380	27·8	30·91	191	151
4.—NORTH TYNE. 433 sq. mi.								
d	Barrasford	.. Newcastle & Gatesh'd W. Co.	NY(35)921730	207	29·3	33·17	...	...
D	Simonburn (Park End)	.. A. H. Ridley, Esq.	NY(35)863739	300	32·2	33·35	180	160

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
NORTHUMBERLAND—(contd.)				ft.	in.	in.		
4.—NORTH TYNE—(contd.)								
	Ryal Cottage .. .. .	.. Newcastle & Gatesh'd W. Co.	NY(35)997748	463	27.9	31.99	...	...
	Hallington Village .. .. .	.. Newcastle & Gatesh'd W. Co.	NY(35)977761	467	29.6	31.43	...	...
D	Hallington Reservoir .. .. .	.. Newcastle & Gatesh'd W. Co.	NY(35)973761	470	29.2	31.37	223	166
M	Hallington (Fawcett) .. .. .	.. Newcastle & Gatesh'd W. Co.	NY(35)965765	537	29.4	32.80	...	...
M	Hallington (Cheviott) .. .. .	.. Newcastle & Gatesh'd W. Co.	NY(35)998769	576	28.8	31.36	...	...
M	Camphill .. .. .	.. Newcastle & Gatesh'd W. Co.	NY(35)916765	650	31.0	37.34	...	...
D	Colt Crag Reservoir .. .. .	.. Newcastle & Gatesh'd W. Co.	NY(35)929784	655	31.9	35.43	244	185
d	Bower Moor (Bower) .. .. .	.. Forestry Commission ..	NY(35)834757	500	38.2	37.86	...	...
d	Falstone (Wickhope) .. .. .	.. Forestry Commission ..	NY(35)676860	550	47.6	45.41	229	182
d	Wark (Stonehaugh) .. .. .	.. Forestry Commission ..	NY(35)763796	650	...	34.86	226	181
M	Green Crag .. .. .	.. Newcastle & Gatesh'd W. Co.	NY(35)926813	900	...	38.00	...	...
D	BELLINGHAM (Highgreen) .. .. .	.. Sir Charles Morrison-Bell, Bt.	NY(35)808911	849	34.7	37.70	234	165
d	KIELDER CASTLE	(+ A) Forestry Commission ..	NY(35)632936	660	48.1	41.25	223	169
d	Kielder (Viaduct Lodge) .. .. .	.. Forestry Commission ..	NY(35)631924	610	50.1	41.23	...	...
	§Redewater (Countess Crag) .. .. .	.. Newcastle & Gatesh'd W. Co.	NT(36)708022	1600	55.3	52.68	...	...
M	Redewater (Chattlehope) .. .. .	.. Newcastle & Gatesh'd W. Co.	NT(36)737024	1100	48.7	45.42	...	...
D	Redewater (Catcleugh) .. .. .	.. Newcastle & Gatesh'd W. Co.	NT(36)749031	819	44.1	42.77	244	178
w	§Redewater (Game Park) .. .. .	.. Newcastle & Gatesh'd W. Co.	NT(36)716046	900	49.3	46.22	...	...
5.—COQUET & C. 840 sq. mi.								
	Whittington .. .. .	.. Newcastle & Gatesh'd W. Co.	NZ(45)003703	528	28.6	30.37	...	...
	Burnside .. .. .	.. Newcastle & Gatesh'd W. Co.	NZ(45)045717	419	27.9	29.78	...	...
D	Blyth (Cowpen Sewage Works) .. .. .	.. Borough Engineer ..	NZ(45)295822	15	...	26.43	180	142
d	Kirkwhelpington .. .. .	.. Head Teacher ..	NY(35)998844	581	33.9	35.68	...	...
d	Maiden Hall (Stanton Nook) .. .. .	.. C. F. J. Lisle, Esq., C.E. ..	NZ(45)138886	277	30.5	34.88	...	...
D	Morpeth (COCKLE PARK) .. .. .	.. King's College, Newcastle ..	NZ(45)201912	325	28.7	33.49	219	154
d	Rothley (Harwood) .. .. .	.. Forestry Commission ..	NZ(45)001902	770	36.9	40.56	...	...
D	Morpeth (Tritlington School) .. .. .	.. H. Graham, Esq. ..	NZ(45)188923	250	29.4	33.31	210	146
D	Font Reservoir (Tynemouth W.W.) .. .. .	.. C. F. J. Lisle, Esq., C.E. ..	NZ(45)049936	620	32.9	36.78	199	159
D	Rothbury (Cemetery) .. .. .	.. Northumb. & Tyneside R. Bd.	NU(46)055014	300	34.5	38.92	188	154
D	ACKLINGTON Airfield	(+ A) Meteorological Office ..	NU(46)225007	138	26.3	27.43	185	137
D	Amble .. .. .	.. Amble U.D.C. ..	NU(46)266047	22	25.5	28.40	206	126
D	Callaly Castle Gardens .. .. .	.. G. Milne, Esq. ..	NU(46)052100	350	31.9	35.55	176	134
D	Uswayford .. .. .	.. Northumb. & Tyneside R. Bd.	NT(36)887145	1230	43.1	40.70	194	160
D	Howick Hall Gardens .. .. .	.. The Earl Grey ..	NU(46)247175	110	29.6	29.68	199	140
D	Stamford .. .. .	.. W. Robertson, Esq. ..	NU(46)225193	175	27.8	28.56	176	133
D	Embleton (Newton House) .. .. .	.. Capt. A. J. Baker Cresswell	NU(46)236254	75	27.2	27.77	191	132
D	Belford (Newlands) .. .. .	.. Miss C. J. H. Sanderson ..	NU(46)116322	160	25.9	29.42	217	148
6.—TWEED. 262 sq. mi.								
D	Ilderton (Lilburn Tower Gardens) .. .. .	.. Mr. C. Lovett ..	NU(46)023243	250	31.0	35.55	182	148
D	Chillingham Barns .. .. .	.. Northumb. & Tyneside R. Bd.	NU(46)052262	220	...	34.68	186	130
D	Mindrum .. .. .	.. Northumb. & Tyneside R. Bd.	NT(36)842327	300	28.3	31.22	169	143
d	Cornhill (Pallinsburn) .. .. .	.. Mrs. A. Turnbull ..	NT(36)911383	135	24.6	31.16	...	...
D	BERWICK-ON-TWEED (Ramparts) .. .. .	.. Borough Surveyor ..	NU(46)002528	76	23.3	28.29	187	134
7.—INSULAR. 1 sq. mi.								

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain- fall	1958		
			National grid reference	Altitude		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
CUMBERLAND. (Area, 1,516 sq. mi.)				ft.	in.	in.		
1.—EDEN & SOLWAY. 887 sq. mi.								
d	Penrith (Hutton John)	.. .. N. Hudleston, Esq.	NY(35)439270	688	48·1	43·37	184	161
d	Penruddock School	.. .. Headmaster	NY(35)427277	850	49·8	45·93	191	161
D	Penrith (Castle Park)	.. .. Engineer & Surveyor	NY(35)514299	490	33·3	33·28	171	154
w	Penrith (Arthur Street)	.. .. Late Mrs. E. Sinclair	NY(35)515309	500	34·7	33·49	...	...
D	Penrith (NEWTON RIGG)	.. .. Cumberland County Council	NY(35)493310	560	34·9	33·05	198	150
D	Uldale (Chapel House Reservoir)	.. .. J. R. Watters, Esq.	NY(35)260359	620	48·2	43·29	187	169
D	Penrith (Nunwick Hall)	.. .. Lt.-Col. C. H. F. Thompson	NY(35)553358	258	32·0	33·32	198	151
D	Penrith (Great Salkeld)	.. .. Rev. Canon G. A. K. Hervey	NY(35)551365	350	32·1	33·62	216	156
D	Troutbeck (Welbank)	.. .. Miss R. A. S. Streatfield	NY(35)337323	800	67·9	57·94	219	179
D	Renwick	.. .. Cumberland River Board	NY(35)598433	712	38·7	37·21	243	175
D	Wigton (Brookfield)	.. .. J. Carruthers, Esq., B.A., B.Sc.	NY(35)242478	100	34·1	37·27	247	171
	Geltsdale (New Water)	.. .. L. J. A. Stow, Esq., C.E.	NY(35)580513	975	...	39·76	...	...
	Geltsdale (Old Water)	.. .. L. J. A. Stow, Esq., C.E.	NY(35)590533	990	...	40·26	...	...
D	SILLOTH Airfield	.. .. (+ A) Meteorological Office	NY(35)125537	25	35·1	31·22	186	141
D	Geltsdale	.. .. L. J. A. Stow, Esq., C.E.	NY(35)573536	778	38·0	38·42	232	181
D	Castle Carrock	.. .. L. J. A. Stow, Esq., C.E.	NY(35)545551	480	...	29·42	209	155
D	Carlisle (Spital Cemetery)	.. .. Superintendent	NY(35)390544	114	32·1	32·34	210	157
D	Carlisle (Sewage Works)	.. .. L. J. A. Stow, Esq., C.E.	NY(35)388565	39	31·3	29·91	188	146
D	Longtown (C.A.D.)	.. .. Officer-in-Charge	NY(35)347673	25	33·6	32·97	206	149
d	Bewcastle (Ashcroft)	.. .. Border R.D.C.	NY(35)567769	750	45·6	40·08	...	...
2.—DERWENT. 257 sq. mi.								
M	Styehed Tarn	.. .. J. Edmondson, Esq.	NY(35)221097	1472	172·9	149·75	...	...
M	Styehed (A)	.. .. J. Edmondson, Esq.	NY(35)231106	1100	158·1	133·85	...	...
M	Borrowdale (Stockley Bridge)	.. .. J. Edmondson, Esq.	NY(35)233110	585	144·6	127·25	...	...
M	Borrowdale (Seathwaite)	.. .. J. Edmondson, Esq.	NY(35)237119	423	131·6	117·00	...	...
M	Helvellyn (Hill Top Gill)	.. .. Manchester Corp'n. W.W.	NY(35)318119	1025	104·3	(89·49)	...	...
	§Ullscarf	.. .. Manchester Corp'n. W.W.	NY(35)295123	2100	124·3	107·61	...	...
D	Thirlmere (The Nook)	.. .. Manchester Corp'n. W.W.	NY(35)319128	621	98·9	88·53	243	200
	§Helvellyn (Birkside)	.. .. Manchester Corp'n. W.W.	NY(35)333133	1900	98·4	89·07	...	...
M	Wythburn	.. .. Manchester Corp'n. W.W.	NY(35)318138	610	102·0	89·64	...	...
M	Helvellyn (Brown Rigg)	.. .. Manchester Corp'n. W.W.	NY(35)313143	1400	...	100·36	...	...
D	Borrowdale (The Moraine)	.. .. Mrs. E. Bainbridge	NY(35)256143	330	105·4	83·13	226	183
M	§Armboth Fells (The Pewitts)	.. .. Manchester Corp'n. W.W.	NY(35)290165	1650	101·3	100·62	...	...
D	§Thirlmere (Dale Head Hall)	.. .. Manchester Corp'n. W.W.	NY(35)314175	620	90·7	80·90	248	211
D	Keswick (Derwent Island)	.. .. National Trust	NY(35)262224	290	60·5	53·03	194	168
D	Keswick (Netherholme)	.. .. H. C. White, Esq.	NY(35)274229	350	...	54·10	224	176
D	KESWICK (High Hill)	.. .. (+ A) Tom Wilson, Esq.	NY(35)260238	254	58·1	51·26	216	178
D	Braithwaite (Black Wood)	.. .. C. Barnes, Esq.	NY(35)231237	400	67·5	56·11	218	179
3.—WEST COAST STREAMS. 235 sq. mi.								
d	Bootle (Fellside)	.. .. Millom R.D.C.	SD(34)117882	265	50·2	54·35	...	...
d	Ravenglass (The Grove)	.. .. Ian McWilliam, Esq.	SD(34)088965	70	44·1	45·15	...	...
D	SELLAFIELD (Windscale Works)	.. .. Ministry of Supply, for M.O.	NY(35)027032	43	43·4	43·92	200	170
M	Braystones	.. .. J. E. Taylor, Esq.	NY(35)008058	36	41·6	43·42	...	...
	Wast Water (Wasdale Head)	.. .. J. W. Naylor, Esq.	NY(35)186089	280	99·4	83·00	...	...
M	Ennerdale (Gillerthwaite)	.. .. A. Nelson, Esq.	NY(35)143140	445	93·0	88·95	...	...
d	Ennerdale (Bleach Green)	.. .. Borough Engineer	NY(35)085153	384	...	62·69	230	192
D	Whitehaven (Stanley Pond)	.. .. National Coal Board	NX(25)982143	45	45·0	43·85	219	168
D	St. Bees Head Lighthouse	.. .. (+ A) Principal Keeper, for M.O.	NX(25)941143	309	38·4	39·54	209	154

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
CUMBERLAND—(contd.)				ft.	in.	in.		
3.—WEST COAST STREAMS—(contd.)								
d	Whitehaven (Summergrove)	Borough Engineer	NX(25)999159	283	...	44·07	223	176
D	Workington (Coke Ovens)	Workington Iron & Steel Co.	NX(25)989280	29	38·0	33·88	186	141
4.—DUDDON & C. 50 sq. mi.								
D	Millom (Lanthwaite) (+ A)	Millom R.D.C.	SD(34)165851	145	56·7	55·46	234	190
D	§Ulpha	Water Engineer, Barrow ..	SD(34)209947	251	80·5	81·28	227	203
5.—SOUTH TYNE. 87 sq. mi.								
D	Nenthead (School)	F. J. Hartley, Esq.	NY(35)777438	1450	...	45·48	229	179
WESTMORLAND. (Area, 783 sq. mi.)								
1.—EDEN. 373 sq. mi.								
d	Mallerstang	J. H. Adamson, Esq. ..	NY(35)783008	910	...	51·43	216	166
D	Kirkby Stephen (Eden Place) ..	Miss Marcia Mason, J.P. ..	NY(35)774096	544	41·9	39·34	198	158
M	§Wasdale Pike	Manchester Corp'n. W.W. ..	NY(35)535084	1825	100·8	86·59	...	...
M	Mosedale (Mosedale Cottage) ..	Manchester Corp'n. W.W. ..	NY(35)496095	1443	101·9	89·12	...	...
M	§Mosedale (Artle Crag)	Manchester Corp'n. W.W. ..	NY(35)482102	2134	107·2	(94·11)	...	...
M	Wet Sleddale (Mirethwaite) ..	Manchester Corp'n. W.W. ..	NY(35)537107	995	87·9	68·92	...	...
M	§Blea Water	Manchester Corp'n. W.W. ..	NY(35)456108	1400	117·5	105·81	...	...
M	§Sleddale (High Wether Howe) ..	Manchester Corp'n. W.W. ..	NY(35)575111	1620	86·9	75·59	...	...
M	§Mardale (Riggindale)	Manchester Corp'n. W.W. ..	NY(35)466118	892	102·9	93·79	...	...
M	§Shap (Birkbeck Fell)	Manchester Corp'n. W.W. ..	NY(35)565118	935	61·0	58·53	...	...
M	Swindale Parsonage	Manchester Corp'n. W.W. ..	NY(35)510129	875	75·3	71·89	...	...
M	§Mardale (Whelter)	Manchester Corp'n. W.W. ..	NY(35)469132	819	94·5	85·26	...	...
M	§Mardale (Low Raise)	Manchester Corp'n. W.W. ..	NY(35)454137	2465	111·7	100·02	...	...
M	Shap (Thornship Gill)	Manchester Corp'n. W.W. ..	NY(35)551132	844	61·8	60·82	...	...
M	§Mardale (Guerness)	Manchester Corp'n. W.W. ..	NY(35)483135	905	86·0	77·40	...	...
M	§Shap (Tailbert Head)	Manchester Corp'n. W.W. ..	NY(35)530143	1100	...	65·67	...	...
M	§Hawes Water (Wallow Crag) ..	Manchester Corp'n. W.W. ..	NY(35)496149	1412	79·6	71·86	...	...
M	Hawes Water (Naddle House) ..	Manchester Corp'n. W.W. ..	NY(35)509153	825	...	64·08	...	...
M	Hawes Water (Sandhills)	Manchester Corp'n. W.W. ..	NY(35)485153	824	...	68·75	...	...
M	Meassand Beck (Keasgill)	Manchester Corp'n. W.W. ..	NY(35)461151	1800	87·3	82·69	...	...
D	§Hawes Water (Burn Banks) ..	Manchester Corp'n. W.W. ..	NY(35)503159	835	71·6	63·54	217	173
M	§Bampton (Atkinson's Grain) ..	Manchester Corp'n. W.W. ..	NY(35)456164	2175	...	77·73	...	...
d	Patterdale (Greenside Mine) ..	Basinghall Mining Synd. Ltd.	NY(35)364174	1101	95·3	84·65	...	...
M	§Bampton (Sealhole Grain) ..	Manchester Corp'n. W.W. ..	NY(35)471166	1775	80·8	79·30	...	...
M	Bampton (Stanegarh)	Manchester Corp'n. W.W. ..	NY(35)497177	913	64·3	59·18	...	...
M	Cawdale Beck (Howe Grain) ..	Manchester Corp'n. W.W. ..	NY(35)478176	1130	...	69·27	...	...
M	Heltondale (Kidmoor)	Manchester Corp'n. W.W. ..	NY(35)482197	1043	...	65·36	...	...
D	Martindale (Howtown)	Mrs. N. L. Rylands ..	NY(35)444197	600	66·3	62·21	203	176
D	Appleby Castle	Cumberland River Board ..	NY(35)684198	440	36·5	35·34	220	151
D	Appleby (Highfield)	J. F. Whitehead, Esq. ..	NY(35)688201	480	35·6	35·56	215	154
d	Penrith (Askham Hall)	Lord Lonsdale	NY(35)515239	610	...	42·33	189	161
D	Pooley Bridge (Bowerbank) ..	H. F. Thompson, Esq. ..	NY(35)474247	500	42·5	42·82	196	165
d	Temple Sowerby	Cumberland River Board ..	NY(35)609273	355	32·6	34·30	...	...

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
		National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
WESTMORLAND—(contd.)			ft.	in.	in.		
2.—LEVEN. 60 sq. mi.							
D Windermere (Nurseries)	Windermere U.D.C. ..	NY(35)410982	350	66.9	65.25	222	179
D Windermere (Holehird)	H. L. Groves, Esq. ..	NY(35)413007	500	71.1	67.86	226	185
D Windermere (Brockhole)	C. Bateman, Esq. ..	NY(35)389009	175	68.6	70.13	213	183
D Windermere (Briery Close)	Mrs. E. L. Hedley ..	NY(35)391019	325	69.2	64.91	226	184
d Troutbeck (The Howe)	Dr. A. E. Ainscow ..	NY(35)414023	496	73.5	65.63	...	...
D AMBLESIDE	The Lakes U.D.C. (Clerk) ..	NY(35)372040	145	74.4	67.93	211	179
D Rydal (The Hall)	R. E. Porter, Esq. ..	NY(35)365065	354	86.1	75.48	230	191
D Great Langdale (Long House) ..	(+ A) Mrs. Graham Satow ..	NY(35)306067	353	108.3	97.92	231	194
D Grasmere (Woningsworth)	R. H. Gibson, Esq. ..	NY(35)331084	260	...	81.96	237	198
3.—KENT. 188 sq. mi.							
D Milnethorpe (Crooklands)	British Waterways ..	SD(34)535836	156	47.3	44.77	177	171
D Heversham (Plumtree Hall)	Miss Lilian Watson ..	SD(34)496836	120	...	47.39	216	179
D Levens (Beathwaite)	John A. Bush, Esq. ..	SD(34)487862	125	51.6	55.31	216	181
D Levens (Bridge End)	Lancashire River Board ..	SD(34)475858	23	...	52.23	205	172
D Killington Reservoir	British Waterways ..	SD(34)593908	670	...	53.29	184	182
D Kendal School	N. Whitton, Esq. ..	SD(34)519915	136	51.3	52.68	238	175
D Kendal (Fisher Tarn Reservoir)	Water Engineer ..	SD(34)552929	742	55.3	59.27	240	178
Troutbeck (Dubbs Reservoir) ..	Windermere U.D.C. ..	NY(35)422018	745	...	61.47	...	...
w Long Sleddale (Nether Bower) ..	E. H. Richardson, Esq. ..	NY(35)504024	600	...	75.28	...	...
4.—LUNE. 122 sq. mi.							
5.—TEES. 40 sq. mi.							
M Lunedale (Conny Pot)	T. S. R. Winter, Esq., C.E. ..	NY(35)815202	1840	60.7	62.30	...	...
w Moor House (Burnt Hill Weir) ..	Nature Conservancy ..	NY(35)751331	1840	...	68.99	...	...
D MOOR HOUSE (Dufton)	(+ A) Nature Conservancy ..	NY(35)758328	1850	81.2	69.98	258	211
w Moor House (Sike Hill)	Nature Conservancy ..	NY(35)772321	1840	79.4	63.64	...	...
w Moor House (Bog Hill Weir) ..	Nature Conservancy ..	NY(35)773327	1700	79.2	65.14	...	...

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS

MONMOUTHSHIRE. (Area, 534 sq. mi.)

1.—RHYMNEY. 39 sq. mi.							
D Machen (Fwrrwm Road)	Machen Quarries, Ltd. ..	ST(31)222884	250	...	53.69	198	166
d Trethomas	Chief Chemist ..	ST(31)181893	350	...	63.86	...	153
2.—EBBW. 88 sq. mi.							
D NEWPORT (Cleppa Park E.H.S.) ..	Director	ST(31)279849	75	40.2	44.22	202	157
D Rogerstone (Newport Golf Links) ..	W. H. Halsey, Esq. ..	ST(31)268894	304	47.5	49.32	192	153
D Abercarn (Nantydraenog Reservoir)	W. Cory Goddard, Esq., C.E. ..	ST(31)188934	715	56.4	60.85	214	170
D Blackwood	T. J. Jones, Esq. ..	ST(31)167973	650	54.7	60.24	207	165
D Abertillery (The Park)	Medical Officer of Health ..	SO(32)207049	600	58.7	63.73	202	167
D Cwmillery Reservoir	W. Cory Goddard, Esq., C.E. ..	SO(32)221069	1130	...	61.23	212	163

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958			
				National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more	
MONMOUTHSHIRE—(contd.)					ft.	in.	in.			
2.—EBBW—(contd.)										
d	Tredegar (Laboratory)	..	National Coal Board	..	SO(32)144082	950	62.3	64.89	...	...
D	TREDEGAR (Bedwellty Park)	..	Urban District Council	..	SO(32)141086	992	64.4	60.10	198	168
D	Tredegar (Georgetown W.W.)	..	O. Griffiths, Esq.	..	SO(32)155087	1200	...	59.03	232	169
D	Tredegar (Nant-y-bwch W.W.)	..	O. Griffiths, Esq.	..	SO(32)133115	1200	...	66.78	218	198
d	Ebbw Vale (Iron Works)	..	Richard Thomas & Baldwins	..	SO(32)172098	930	...	55.59	216	160
D	Ebbw Vale Waterworks (Carno S.)	..	Ebbw Vale U.D.C.	..	SO(32)164128	1262	64.6	64.58	216	177
d	Ebbw Vale (Blaen-y-Cwm Reservoir)	..	Richard Thomas & Baldwins	..	SO(32)170130	1340	62.1	61.24	223	170
3.—USK & C. 290 sq. mi.										
D	Redwick	..	Usk River Board	..	ST(31)413841	20	...	40.33	202	159
d	Nash	..	Usk River Board	..	ST(31)344837	20	...	40.89	...	...
d	Portskewett (Sudbrook)	..	British Railways	..	ST(31)508874	51	32.9	41.75	...	148
D	Newport W.W. (Ynys-y-fro Farm)	..	Newport Corporation	..	ST(31)285892	140	...	50.37	206	162
d	Caerleon (The Croft)	..	Usk River Board	..	ST(31)337908	54	...	49.21	...	...
D	Newport W.W. (Pant-yr-eos Res.)	..	Newport Corporation	..	ST(31)254915	435	50.4	62.31	222	170
D	Newport W.W. (Llanvaches)	..	Newport Corporation	..	ST(31)428929	456	40.6	48.20	193	163
	Newport W.W. (Nantypridd)	..	Newport Corporation	..	ST(31)436944	500	43.6	50.24	...	...
D	Cwmbran	..	(+ A) Cwmbran Development Cpn.	..	ST(31)273952	550	...	57.10	199	170
D	Shirenewton (Filter House)	..	Chepstow Water Co.	..	ST(31)484944	300	40.7	47.99	194	157
	Newport W.W. (Newchurch)	..	Newport Corporation	..	ST(31)437964	350	44.9	52.36	...	...
D	CRUMBLAND	..	Forestry Commission	..	SO(32)474024	804	...	48.62	205	153
D	USK	..	Monmouth Agric. Institute	..	SO(32)368018	70	39.7	45.34	182	152
D	Abergavenny (Parc Llettis)	..	Mrs. L. Whitehead, O.B.E.	..	SO(32)324109	325	38.5	44.33	170	149
D	Abergavenny (Plás Derwen)	..	Alan Whitehead, Esq.	..	SO(32)304132	200	43.2	47.89	213	144
D	Abergavenny (Ty-Clyd)	..	F. D. Llewelyn, Esq.	..	SO(32)269140	272	46.0	51.70	190	148
D	Grwyne Fawr (Coed Dias)	..	Colonel D. R. Paterson	..	SO(32)275244	900	45.7	51.19	195	158
4.—WYE. 117 sq. mi.										
D	Chepstow (Bethdour)	..	Chepstow Water Co.	..	ST(31)527936	176	...	44.64	198	157
D	Monmouth (Cornwall House)	..	P. G. Harvey, Esq., M.D.	..	SO(32)507127	52	31.1	35.74	171	122
d	Llantilio (Crossenny School)	..	Headmaster	..	SO(32)393172	530	35.9	41.88	181	138
D	Skenfrith	..	W. J. Hamer, Esq.*	..	SO(32)456204	140	32.7	38.16	172	135
w	Llanthony (Tafolog)	..	Wye River Board	..	SO(32)276295	...	...	57.21	...	...
GLAMORGAN. (Area, 808 sq. mi.)										
1.—LOUGHOR. 55 sq. mi.										
D	Felindre (Lower Lliw Reservoir)	..	T. Price, Esq., C.E...	..	SN(22)649034	416	62.1	69.67	228	177
D	Felindre (Upper Lliw Reservoir) (+ A)	..	T. Price, Esq., C.E...	..	SN(22)662058	599	66.5	74.46	242	186
2.—GOWER PENINSULA. 62 sq. mi.										
D	Gower (Penrice Castle)	..	Estate Agent	..	SS(21)501880	30	...	52.71	198	157
3.—TAW. 47 sq. mi.										
D	SWANSEA (Victoria Park)	..	(+ A) Town Clerk	..	SS(21)642923	32	43.0	52.25	203	164
d	Clydach (Wernfadog)	..	C. G. Bellingham, Esq.	..	SN(22)672001	400	55.7	65.55	...	...
d	Clydach	..	Mond Nickel Co., Ltd.	..	SN(22)695015	78	54.1	68.37	...	...
D	Ystalyfera (Wern House)	..	Miss L. Williams	..	SN(22)768088	240	70.1	75.60	214	190

* Per Wye River Board.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days .04 in. or more
GLAMORGAN—(contd.)				ft.	in.	in.		
4.—NEATH. 82 sq. mi.								
D	Briton Ferry (Cefn Cwrt)	Borough Engineer, Neath	SS(21)752940	503	50.5	58.62	226	174
D	NEATH (Oil Refineries)	National Oil Refineries, Ltd.	SS(21)718957	145	...	56.54	216	166
D	Neath (Cimla Reservoir)	Borough Engineer	SS(21)765963	360	...	64.97	201	170
D	Neath (Gnoll Reservoir)	Borough Engineer	SS(21)764975	204	...	58.95	195	168
D	Rhondda W.W. (Llyn Fawr Reservoir)	Water Engineer	SN(22)918033	1220	93.9	100.49	227	198
d	Resolven (Brynewelon)	Forestry Commission	SN(22)830021	250	...	70.24	...	...
5.—OGMORE & C. 350 sq. mi.								
D	RHOSE Airfield	Meteorological Office	ST(31)060670	20	35.4	37.92	198	148
d	St. Athan	H. Thomas, Esq.	ST(31)026671	50	...	38.70	183	152
d	Penarth (Cemetery)	Surveyor	ST(31)180702	99	...	40.23	...	152
D	Penarth (Alexandra Park)	Surveyor	ST(31)187714	122	...	41.10	205	152
D	Dinas Powis (The Gables)	D. E. T. Pennant, Esq.	ST(31)151708	70	...	42.22	195	156
d	Cowbridge (St. Mary Church)	Glamorgan River Board	ST(31)017717	946	...	43.11	...	...
D	Cardiff (Cogan Pumping Station)	G. W. Cover, Esq., C.E.	ST(31)171729	121	...	46.16	207	162
d	Cowbridge (Tair Onen Nursery)	Forestry Commission	ST(31)038742	421	...	52.03	...	...
d	Cardiff (St. Fagan's Castle)	Iorwerth C. Peate, Esq.	ST(31)119773	100	...	51.42	...	...
D	Cowbridge (Pentre Meyrick)	F. E. P. Dunn, Esq.	SS(21)967757	300	...	51.23	205	165
D	Cowbridge (Pwllwy)	Mid-Glamorgan Water Bd.	SS(21)991766	92	...	54.87	203	171
D	Merthyr Mawr (Schwyll)	Mid-Glamorgan Water Bd.	SS(21)888770	45	...	48.58	210	156
	Merthyr Mawr	R. I. Nicholl, Esq.	SS(21)889779	75	45.6	51.33	201	157
D	Bridgend (Erw Graig)	H. J. Randall, Esq.	SS(21)897786	50	...	47.92	223	166
d	Bridgend (Tremaine House)	Glamorgan River Board	SS(21)923796	140	...	53.84	...	...
D	Llanharan (Sewage Works)	H. Thomas, Esq.	SS(21)974821	175	49.8	60.51	214	162
d	Margam (Kenfig Factory)	British Indus. Solvents Ltd.	SS(21)802834	35	...	49.29	...	...
D	PORT TALBOT	Steel Co. of Wales, Ltd.	SS(21)789867	24	...	51.08	210	155
D	Maesteg (Salisbury Road)	H. L. Davies, Esq.	SS(21)849910	560	...	83.47	243	193
D	Maesteg (Welfare Park)	(+ A) Engineer & Surveyor	SS(21)847913	550	...	86.20	233	191
d	Pontycymmer	Mid-Glamorgan Water Bd.	SS(21)903916	560	...	95.19	189	172
D	Ogmore Vale	Mid-Glamorgan Water Bd.	SS(21)934936	834	...	104.76	232	201
6.—TAFF. 157 sq. mi.								
D	Rhubina Reservoir	G. W. Cover, Esq., C.E.	ST(31)150824	336	...	55.80	203	163
d	Nantgarw (Coke Ovens)	National Coal Board	ST(31)117856	119	...	58.91	...	...
D	Pontypridd (Ty-Gwyn Reservoir)	Pontypridd & Rhondda W.B.	ST(31)063897	725	...	67.29	208	174
D	Pontypridd (Boys' Grammar School)	E. G. Mort, Esq.	ST(31)072906	330	...	66.71	174	166
D	Pontypridd (Lanwood Reservoir)	Pontypridd & Rhondda W.B.	ST(31)073908	300	...	67.72	195	170
D	Porth Park	A. H. Gillard, Esq.	ST(31)023911	400	...	76.25	214	168
D	Pontypridd (Llanfabon)	W. D. Lewis, Esq.*	ST(31)108934	600	...	66.80	212	165
D	§Gelligaled Recreation Ground	A. H. Gillard, Esq.	SS(21)990948	475	...	77.65	231	182
D	§Treorchy (Pumping Station)	A. H. Gillard, Esq.	SS(21)965965	515	...	92.19	216	185
D	Ferndale Park	A. H. Gillard, Esq.	SS(21)998967	860	...	81.33	194	179
D	Treherbert Park	A. H. Gillard, Esq.	SS(21)939986	600	...	98.48	231	193
D	Mountain Ash (Darranlas Reservoir)	Engineer & Surveyor	ST(31)044991	540	...	68.35	211	166
D	§Treherbert (Tyn-y-waun)	Water Engineer, Rhondda	SS(21)932994	801	93.6	99.99	221	196
D	Rhondda (Castell Nos Reservoir)	Pontypridd & Rhondda W.B.	SN(22)964008	1060	...	94.77	218	183
D	Rhondda (Lluest Wen Filter)	Pontypridd & Rhondda W.B.	SN(22)956015	1200	94.0	97.73	218	186
D	Rhondda (Lluest Wen Reservoir)	Pontypridd & Rhondda W.B.	SN(22)950015	1280	...	98.88	218	186
D	Merthyr Tydfil (Penybryn Filters)	D. C. W. Jones, Esq., C.E.	SO(32)054077	937	57.2	62.57	247	172
D	Merthyr Tydfil (Bronygarth)	F. L. G. Bevan, Esq.	SO(32)047072	770	55.3	56.47	220	171
D	Dowlais	Imperial Chem. Indust. Ltd.	SO(32)064087	1075	...	59.81	201	175

* Per Pontypridd & Rhondda Joint Water Board.

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958		
				National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
GLAMORGAN—(contd.)					ft.	in.	in.		
6.—TAFF—(contd.)									
D	Dowlais (Gwernllwyn)	.. ..	A. F. Adams, Esq.	SO(32)071079	1071	...	62·42	192	173
D	Dowlais (Garth Filter Beds)	.. ..	A. C. Quiningborough, Esq.	SO(32)066096	1245	...	67·37	239	182
7.—RHYMNEY. 55 sq. mi.									
D	CARDIFF (Penylan)	.. ..	(+ A) Medical Officer of Health ..	ST(31)195793	202	42·1	47·01	210	158
D	Cardiff (Heath Filters)	.. ..	G. W. Cover, Esq., C.E. ..	ST(31)181799	132	43·8	48·11	211	163
D	Llanishen Reservoir	.. ..	G. W. Cover, Esq., C.E. ..	ST(31)188815	155	...	49·40	210	163
D	Rhymney Bridge Reservoir	.. ..	(+ A) Engineer	SO(32)105110	1150	...	66·67	191	141
CARMARTHENSHIRE. (Area, 918 sq. mi.)									
1.—TEIFI. 87 sq. mi.									
2.—TOWY & C. 715 sq. mi.									
d	Whitland (Pumping Station)	.. ..	Carmarthen R.D.C. ..	SN(22)201161	80	...	60·67	...	...
d	Llangain (C.P. School)	.. ..	Headmaster	SN(22)383157	330	...	55·69	197	159
D	Whitland	.. ..	Wilts United Dairies, Ltd.	SN(22)201164	60	51·5	59·70	192	172
D	Carmarthen (St. Davids Avenue)	.. ..	E. W. Francis, Esq. ..	SN(22)405202	100	53·0	60·10	262	176
D	Carmarthen (Cwmoernant Reservoir)	.. ..	E. Gooseman, Esq. ..	SN(22)419211	135	52·0	57·59	230	184
D	Carmarthen (Fryn-hir)	.. ..	C. V. Lewis, Esq. ..	SN(22)486201	155	53·6	61·87	248	185
D	Llandilo (Golden Grove Farm Inst.)	.. ..	Principal	SN(22)597203	100	54·2	63·47	250	177
w	Llyn-y-fan Fach (Waen Sychlwch)	.. ..	Llanely R.D.C. ..	SN(22)803222	1647	106·2	99·52	...	...
d	Llyn-y-fan Fach (Nant Coch)	.. ..	Llanely R.D.C. ..	SN(22)803233	1172	82·7	79·05	...	185
w	Llyn-y-fan Fach (Bua'r Llyn)	.. ..	Llanely R.D.C. ..	SN(22)799219	1650	108·3	109·08	...	...
d	Llyn-y-fan Fach (Troed-y-Foel)	.. ..	Llanely R.D.C. ..	SN(22)798238	867	77·2	74·64	...	180
D	Llanddeusant (Pontcrynfe)	.. ..	J. Thomas, Esq. ..	SN(22)730241	323	58·5	59·45	243	168
D	Conwil-Elvet (Cwmtawel Reservoir)	.. ..	E. Gooseman, Esq. ..	SN(22)385257	350	61·5	69·79	242	204
D	Brechfa	.. ..	Capt. C. Joynson ..	SN(22)523298	290	66·4	69·31	247	195
D	Abergorlech	.. ..	S. L. Davies, Esq. ..	SN(22)585336	245	60·9	65·89	231	189
3.—LOUGHOR & C. 104 sq. mi.									
D	Llanely (Penfai House)	.. ..	S. W. Wales River Bd. ..	SN(22)497015	188	...	48·57	219	164
D	Llanely (Filter Beds)	.. ..	Llanely U.D.C. ..	SN(22)516024	237	52·6	57·73	218	181
D	Llanely (Cwmlledi Waterworks)	.. ..	Llanely U.D.C. ..	SN(22)519031	240	53·5	57·77	223	181
D	Llanely (Upper Lliedi Reservoir)	.. ..	Llanely U.D.C. ..	SN(22)514043	290	52·3	59·84	220	164
D	Kidwelly	.. ..	Llanely U.D.C. ..	SN(22)420087	60	50·2	55·88	207	173
D	Gorslas Reservoir	.. ..	Carmarthen R.D.C. ..	SN(22)563146	750	...	68·02	215	188
w	Llannon Reservoir	.. ..	Llanely R.D.C. ..	SN(22)552102	860	63·9	70·70	...	...
4.—TAWE. 7 sq. mi.									
5.—USK. 5 sq. mi.									
D	Upper Usk 1	.. ..	(+ A) T. Price, Esq., C.E. ...	SN(22)829291	1020	...	56·27	244	195
	Upper Usk 2	.. ..	T. Price, Esq., C.E. ...	SN(22)811297	1390	...	56·94	...	...
	Upper Usk 3	.. ..	T. Price, Esq., C.E. ...	SN(22)798290	1350	...	54·80	...	...
	Upper Usk 5	.. ..	T. Price, Esq., C.E. ...	SN(22)815264	1090	...	66·80	...	...
	Upper Usk 6	.. ..	T. Price, Esq., C.E. ...	SN(22)815246	1390	...	71·55	...	...
6.—WYE.									

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
PEMBROKESHIRE. (Area, 617 sq. mi.)				ft.	in.	in.		
1.—TEIFI. 37 sq. mi.								
2.—NEVERN & C. 91 sq. mi.								
D	Goodwick (Trenewydd)	.. .. Mrs. G. M. Johns	SM(12)913396	300	39·5	49·19	229	166
3.—WEST COAST STREAMS. 82 sq. mi.								
D	BRAWDY	.. .. Naval Weather Service	SM(12)852248	360	...	52·76	211	168
4.—CLEDDAU & C. 407 sq. mi.								
d	Pembroke (Stackpole Court)	.. .. W. G. Nicholas, Esq.	SR(11)972960	60	41·9	47·22	...	...
d	Pembroke (Grammar School)	.. .. Headmistress	SM(12)978024	150	...	44·31	...	...
D	Milford Haven (DALE FORT)	.. .. C. Promotion Field Studies	SM(12)823052	109	...	37·72	197	149
D	Milford Haven (Grammar School)	.. .. C. Davies, Esq.	SM(12)908060	170	38·2	39·91	193	153
D	MILFORD HAVEN	.. .. Murex Ltd.	SM(12)907069	179	...	46·78	221	165
d	Narberth (Blackpool)	.. .. Forestry Commission	SN(22)058137	200	...	58·27	...	...
D	HAVERFORDWEST (Hospital Grounds)	.. .. Borough Surveyor	SM(12)955153	135	46·4	52·90	217	176
d	Maenclochog (Ddolwen Bridge)	.. .. Prescelly Water Board	SN(22)069300	740	63·0	63·81	...	...
d	Letterston (Trecwn House)	.. .. Superintending Engineer	SM(12)975325	391	52·6	60·91	...	...
CARDIGANSHIRE. (Area, 688 sq. mi.)								
1.—DOVEY. 20 sq. mi.								
D	Machynlleth (Glandyfi)	.. .. Capt. P. L. Ransom	SN(22)690963	40	50·6	61·88	263	196
2.—YSTWYTH & C. 347 sq. mi.								
D	ABERPORTH	.. .. (+ A) Meteorological Office	SN(22)247516	376	41·0	62·48	205	149
D	Nantcwnlle (Bwlchyllan)	.. .. J. Davies, Esq.**	SN(22)280595	800	...	62·31	233	192
d	Llandyssiliogogo (Dolwylan)	.. .. Dr. R. T. Goodyear**	SN(22)356573	90	...	43·24	...	...
D	TRAWSCOED	.. .. Farm Director, E.H.F.	SN(22)674736	200	47·2	49·76	232	187
D	Bwlch y Gwynt (Cwmystwyth)	.. .. John C. Rodda, Esq.	SN(22)798741	750	...	67·95	229	203
D	Llanilar (The Cottage)	.. .. John C. Rodda, Esq.	SN(22)618751	140	...	50·66	224	173
D	Llanfihangee y Creuddin	.. .. John C. Rodda, Esq.	SN(22)665761	300	...	50·48	220	182
w	Nant Rhys	.. .. John C. Rodda, Esq.	SN(22)838794	1500	...	84·94	...	...
D	ABERYSTWYTH (Corporation Yard)	.. .. Town Clerk	SN(22)580815	12	37·5	49·53	225	175
D	ABERYSTWYTH (P.B.S.)	.. .. Director, Plant Breeding Stn.	SN(22)605825	452	41·6	50·87	244	174
D	Aberystwyth (GOGERRDDAN)	.. .. Director, Plant Breeding Stn.	SN(22)627836	103	40·3	51·76	217	178
D	LLETY-EVAN-HEN	.. .. Director, Plant Breeding Stn.	SN(22)693851	950	...	66·01	246	197
d	§Afon Rheidol (Nant-y-moch)	.. .. Water Engr., Aberystwyth	SN(22)763871	1060	76·2	(78·76)	...	...
3.—TEIFI. 260 sq. mi.								
d	Llandyssul (Joyous Gard)	.. .. I. T. Hughes, Esq., M.A., J.P.	SN(22)414406	390	...	52·14	212	166
w	Llandyssul (Sychpant Horeb)	.. .. J. A. Davies, Esq.	SN(22)406428	341	49·2	52·29	...	...
D	SWYDDFFYNNON (CRUG-LAS)	.. .. Nature Conservancy	SN(22)696654	588	...	53·25	235	171
4.—TOWY. 46 sq. mi.								
5.—WYE. 15 sq. mi.								
M	§Birmingham W.W. (Llyn Gynon)	.. .. C. A. Risbridger, Esq., C.E.	SN(22)801651	1450	71·8	70·20	...	...
M	§Birmingham W.W. (Bwlchyrhendre)	.. .. C. A. Risbridger, Esq., C.E.	SN(22)807664	1585	...	69·50	...	...
M	Birmingham W.W. (Claerddu)	.. .. C. A. Risbridger, Esq., C.E.	SN(22)792686	1425	...	72·35	...	...
D	§Birmingham W.W. (Abergwngu)	.. .. C. A. Risbridger, Esq., C.E.	SN(22)870734	1150	...	74·51	282	214

** Under auspices of Royal Meteorological Society.

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
BRECKNOCKSHIRE. (Area, 733 sq. mi.)				ft.	in.	in.		
1.—TOWY 17 sq. mi.								
2.—TAWE. 41 sq. mi.								
d	Ystradgynlais (Ynyscedwyn House) ..	Anglo-Celtic Watch Co. ..	SN(22)776096	235	...	72.41	...	...
D	§Swansea W.W. (Nantyrwydd) ..	T. Price, Esq., C.E....	SN(22)859181	908	79.5	78.01	243	193
3.—NEATH. 43 sq. mi.								
D	Ystradfellte Reservoir ..	Engineer (Neath R.D.C.) ..	SN(22)946171	1147	80.7	80.58	216	180
4.—TAFF. 48 sq. mi.								
	Aberdare (Nanthir Reservoir) ..	H. W. Crowther-Green, Esq.	SN(22)989068	860	61.2	67.34	...	...
D	Cardiff W.W. (Cefn-Coed-y-Cymmer) ..	G. W. Cover, Esq., C.E. ..	SO(32)024086	790	57.5	59.97	217	167
D	Taf Fechan (Pontsticill) No. 12 (+A) ..	A. C. Quiningborough, Esq.	SO(32)059116	1031	...	65.59	237	188
D	Cardiff W.W. (LLWYNON Res.) (+A) ..	G. W. Cover, Esq., C.E. ..	SO(32)012115	860	...	70.62	232	187
w	§Cardiff W.W. (Nant Ffynnon) ..	G. W. Cover, Esq., C.E. ..	SN(22)983119	1352	74.9	80.89	...	...
M	Cardiff W.W. (Garn Ddu) ..	G. W. Cover, Esq., C.E. ..	SO(32)027129	1340	72.3	77.02	...	...
w	Cardiff W.W. (Garw-nant) ..	G. W. Cover, Esq., C.E. ..	SN(22)994132	1100	75.7	78.55	...	...
w	§Cardiff W.W. (Nant-Gwineu) ..	G. W. Cover, Esq., C.E. ..	SO(32)017132	1200	69.4	72.53	...	...
w	Cardiff W.W. (Cefn Gougarn) ..	G. W. Cover, Esq., C.E. ..	SN(22)986150	1362	76.0	82.65	...	...
w	Cardiff W.W. (Llysio) ..	G. W. Cover, Esq., C.E. ..	SO(32)015149	1080	70.1	75.41	...	...
D	Taf Fechan (Pentwyn Res. S.) No. 15 ..	A. C. Quiningborough, Esq.	SO(32)056145	1120	71.0	74.28	228	187
M	Taf Fechan (Pentwyn Res. N.) No. 16 ..	A. C. Quiningborough, Esq.	SO(32)049158	1090	69.4	73.60	...	...
w	Cardiff W.W. (Twyn-Gareg) ..	G. W. Cover, Esq., C.E. ..	SN(22)984166	1501	83.0	90.15	...	...
D	Cardiff W.W. (Cantref Res.) ..	G. W. Cover, Esq., C.E. ..	SN(22)995155	1120	73.7	81.21	238	197
D	Cardiff W.W. (Beacons Res.) ..	G. W. Cover, Esq., C.E. ..	SN(22)987192	1357	83.9	87.91	245	201
w	Cardiff W.W. (Nant Penig) ..	G. W. Cover, Esq., C.E. ..	SN(22)977191	2000	94.7	99.10	...	...
D	Cardiff W.W. (Storey Arms Field) ..	G. W. Cover, Esq., C.E. ..	SN(22)986200	1430	85.4	93.53	243	209
w	Cardiff W.W. (Blaen Taf Fawr) ..	G. W. Cover, Esq., C.E. ..	SN(22)992207	1675	87.6	92.99	...	...
d	Taf Fechan (Neuadd Res.) No. 11A ..	A. C. Quiningborough, Esq.	SO(32)032185	1520	84.9	(89.11)	...	...
M	Taf Fechan (Neuadd Res.) No. 10 ..	A. C. Quiningborough, Esq.	SO(32)032193	1700	77.1	86.70	...	...
M	Taf Fechan (Neuadd Res.) .. No. 8 ..	A. C. Quiningborough, Esq.	SO(32)019202	1723	89.7	89.35	...	...
M	Taf Fechan (Neuadd Res.) .. No. 6 ..	A. C. Quiningborough, Esq.	SO(32)011209	2099	98.9	97.85	...	...
5.—RHYMNEY. 2 sq. mi.								
6.—EBBW. 7 sq. mi.								
D	Ebbw Vale W.W. (Llangynidr) 1 ..	Ebbw Vale U.D.C. ..	SO(32)155139	1413	65.3	63.50	216	175
D	Ebbw Vale W.W. (Llangynidr) W3 ..	Ebbw Vale U.D.C. ..	SO(32)150141	1468	67.8	69.50	216	180
D	Ebbw Vale W.W. (Llangynidr) NW2 ..	Ebbw Vale U.D.C. ..	SO(32)151143	1471	66.1	67.54	216	178
D	Ebbw Vale W.W. (Carno, W.) ..	Ebbw Vale U.D.C. ..	SO(32)156132	1412	66.1	66.14	216	175
D	Ebbw Vale W.W. (Carno, N.) ..	Ebbw Vale U.D.C. ..	SO(32)159135	1491	64.1	62.51	216	177
7.—USK. 299 sq. mi.								
D	Gilwern (Bryn-yr-Haul) ..	Mrs. J. John ..	SO(32)230138	590	50.4	54.64	208	164
	Torpantau (Darenfawr) ..	Newport Corporation ..	SO(32)073164	1172	72.7	78.87	...	...

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS			AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
				National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
BRECKNOCKSHIRE—(contd.)					ft.	in.	in.		
7.—USK—(contd.)									
	Talybont (Glyn Enclosure)	..	.. Newport Corporation	SO(32)082167	1172	...	73·77	...	...
M	Torpantau (Ynsposte)	..	.. Newport Corporation	SO(32)074170	741	70·1	71·87	...	...
M	Torpantau (Blaen-caer-fanell)	..	.. Newport Corporation	SO(32)058188	1584	75·3	81·81	...	...
D	Talybont (Ffynonwen)	..	.. Newport Corporation	SO(32)091179	629	62·5	62·22	242	181
M	Talybont (Rhyd-y-bine)	..	.. Newport Corporation	SO(32)091195	1224	...	69·47	...	...
D	Talybont (Filter House)	..	.. Newport Corporation	SO(32)105206	554	59·3	57·77	221	172
M	Talybont (Craig-pwllfa)	..	.. Newport Corporation	SO(32)071207	1796	77·9	78·42	...	...
D	Talybont (Tyle Clydach)	..	.. Newport Corporation	SO(32)099212	709	60·5	60·31	220	174
M	Talybont (Nant-y-Llanerch)	..	.. Newport Corporation	SO(32)085212	1007	70·7	67·33	...	...
§	Talybont (Cefn Bach)	..	.. Newport Corporation	SO(32)080210	1263	...	70·91	...	...
d	Crickhowell (Penmyarth)	..	.. Margaret Lady Glanusk	SO(32)186199	330	44·4	46·00	...	144
M	Swansea W.W. (Cray Res.)	No. 2	T. Price, Esq., C.E. ...	SN(22)880209	1019	...	89·80	...	...
D	Swansea W.W. (Cray Res.)	No. 1(+ A)	T. Price, Esq., C.E. ...	SN(22)881218	1043	...	80·46	244	193
	Cray (Cwmuchaf)	..	.. H. Glyn Jones, Esq., for M.O.	SN(22)896241	940	...	67·90	...	...
D	Talybont (Ashford)	..	.. J. Henderson, Esq. ...	SO(32)123218	360	48·1	49·62	209	151
d	Llanfrynach (Ty-mawr)	..	.. Miss M. D. de Winton	SO(32)076258	450	48·9	55·95	175	159
D	Brecon (Tairbull School)	..	.. W. O. Davies, Esq.	SN(22)996261	660	53·5	58·04	214	173
D	Brecon (Ffrwdgrech)	..	.. Capt. J. D. D. Evans	SO(32)029270	560	46·3	50·49	214	159
D	Brecon (Waterworks)	..	.. Borough Engineer	SO(32)037276	550	45·2	46·76	207	157
D	Black Mountains (Blaen-y-cwm)	..	.. W. Cory Goddard, Esq., C.E.	SO(32)246295	1423	56·1	62·73	229	177
D	Black Mtns. (The Dam, Grwyne Fawr)	..	.. W. Cory Goddard, Esq., C.E.	SO(32)233307	1787	58·1	64·03	229	179
8.—WYE. 271 sq. mi.									
d	Cathedine Rectory	..	.. Rev. Dr. E. T. Jones, for M.O.	SO(32)145239	650	38·7	42·17	184	139
d	Felin Fach	..	.. Mrs. G. Griffiths*	SO(32)088333	546	36·5	41·15	...	...
D	Talgarth (South Wales Sanatorium)	..	.. Physician Superintendent	SO(32)136354	500	36·4	39·73	188	147
w	Llanwrtyd Wells (Llandulas)	..	.. Mr. T. A. Poole	SN(22)902428	780	...	61·64	...	...
w	Llanwrtyd Wells (Abernant)	..	.. Mr. T. A. Poole*	SN(22)887464	632	58·5	57·77	...	...
d	Garth	..	.. Mr. T. A. Poole*	SN(22)954498	541	51·7	52·25	222	171
M	Nant-y-Brain	..	.. Mr. T. A. Poole*	SN(22)849518	825	...	71·91	...	...
M	Llanerch-Yrfa	..	.. Mr. T. A. Poole*	SN(22)836555	1070	...	75·07	...	...
M	Abergwesyn (Trallwyn)	..	.. D. I. Felix, Esq., for M.O.	SN(22)878541	1000	79·5	70·70	...	...
D	Beulah (Llwyn Madoc)	..	.. Mr. T. C. Smith	SN(22)902525	763	62·6	61·29	237	175
M	Llanfihangel (Llwynycynar)	..	.. J. Francis, Esq., for M.O.	SN(22)987568	745	52·4	55·30	...	...
d	Newbridge (Llysdinam)	..	.. Sir Michael Venables Llewelyn	SO(32)009585	646	44·4	46·59	208	164
M	§Birmingham W.W. (Cros-yr-hwch)	..	.. C. A. Risbridger, Esq., C.E.	SN(22)859600	1805	90·8	87·20	...	...
M	§Birmingham W.W. (Esgair Ceiliog)	..	.. C. A. Risbridger, Esq., C.E.	SN(22)898601	1560	82·9	79·37	...	...
M	§Birmingham W.W. (Llyn-Carw)	..	.. C. A. Risbridger, Esq., C.E.	SN(22)851614	1775	84·1	80·00	...	...
M	§Birmingham W.W. (Nant-y-car)	..	.. C. A. Risbridger, Esq., C.E.	SN(22)877617	1560	78·9	77·65	...	...
M	§Birmingham W.W. (Arban)	..	.. C. A. Risbridger, Esq., C.E.	SN(22)830629	1500	79·3	78·50	...	...
M	§Birmingham W.W. (Tyn-y-pant)	..	.. C. A. Risbridger, Esq., C.E.	SN(22)926626	1320	65·3	67·90	...	...
M	§Birmingham W.W. (Esgair Garthen)	..	.. C. A. Risbridger, Esq., C.E.	SN(22)842643	1590	78·1	74·80	...	...
D	Birmingham W.W. (Elan Village)	..	.. C. A. Risbridger, Esq., C.E.	SN(22)931649	700	57·3	58·34	253	180
RADNORSHIRE. (Area, 474 sq. mi.)									
1.—WYE. 424 sq. mi.									
D	Glasbury-on-Wye	..	.. Mr. R. A. Bufton*	SO(32)181393	276	35·9	38·79	182	149
d	Llysven (Llanstephan House Gdns.)	..	.. Lady Milford	SO(32)120420	440	41·5	50·42	215	200
D	Erwood (Cwrt Gwenddwr)	..	.. Mr. J. E. Bufton*	SO(32)072456	407	43·8	49·21	221	166

* Per Wye River Board.

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958				
				National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more		
RADNORSHIRE—(contd.)					ft.	in.	in.				
1.—WYE—(contd.)											
M	§Hay (Llanbwchllyn) Upper	..	..	Paincastle R.D.C.	..	SO(32)114475	1400	43.4	46.27	...	...
D	§Builth (Cefndyrys)	..	..	E. L. Thomas, Esq.	..	SO(32)039530	740	42.1	43.18	202	155
	Llanfihangel-nant-melan	..	..	J. C. B. Slater, Esq.*	..	SO(32)107590	985	...	47.20	...	...
d	New Radnor (The Old Rectory)	..	..	Professor J. H. Hutton*	..	SO(32)213606	985	...	51.18	227	169
D	Presteigne (Evancoyd)	..	..	Major C. J. L. Lewis	..	SO(32)260630	744	37.3	43.90	195	147
D	LLANDRINDOD WELLS (The Common)	..	..	Clerk to the U.D.C.	..	SO(32)061605	772	40.6	45.80	206	165
d	Cascob (Forester's Lodge)	..	..	Forestry Commission	..	SO(32)228658	1000	46.6	54.30	171	156
D	§Birmingham W.W. (Tyrmynydd)	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)914625	832	62.8	64.15	259	188
D	Birmingham W.W. (Ciloerwynt) (+ A)	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)882629	1045	66.8	67.12	267	196
D	§Birmingham W.W. (Nantgwilt)	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)909639	840	63.0	66.73	261	189
M	§Birmingham W.W. (Esgair Gader) 2	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)859665	1655	71.7	69.21	...	...
M	Birmingham W.W. (Tynllidiart)	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)907659	1006	66.5	68.48	...	...
M	§Birmingham W.W. (Claerwen)	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)820673	1250	70.2	67.40	...	...
D	§Birmingham W.W. (Tynant)	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)899673	1020	69.2	68.41	265	194
	Rhayader (East Street)	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)972680	700	49.1	51.26	...	...
w	Llanddewi-Ystradenny	..	..	Mr. J. Hamer	..	SO(32)107685	767	38.5	43.65	...	...
M	§Birmingham W.W. (Cerigllwydion)	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)843692	1710	77.1	73.40	...	...
M	§Birmingham W.W. (Pen-y-gareg)	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)925681	1530	59.1	59.71	...	...
M	Birmingham W.W. (Bryn Hir)	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)843681	1470	77.5	73.65	...	...
M	Birmingham W.W. (Abercaethon)	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)870690	1180	70.5	(69.70)	...	...
M	§Birmingham W.W. (Calettwr)	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)875701	1490	74.3	74.80	...	...
D	Llangunllo	..	..	H. Kendrick, Esq.*	..	SO(32)211712	776	43.1	52.14	213	171
M	§Birmingham W.W. (Figin) 2	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)828715	1620	85.9	74.60	...	...
M	Birmingham W.W. (Aberhenllan)	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)898717	1070	67.5	69.88	...	...
d	St. Harmons	..	..	J. Hope, Esq.*	..	SN(22)990726	918	47.1	46.90	...	...
w	Llanbadarn-fynydd	..	..	W. Bufton, Esq.*	..	SO(32)097777	974	44.4	48.00	...	...
w	Pont Marteg (Gamallt)	..	..	D. I. Morgans, Esq.*	..	SN(22)947710	785	...	56.49	...	...
D	§St. Harmons (Pen-lthion)	..	..	Mrs. L. O. Morris*	..	SO(32)073813	1200	42.5	46.88	225	179
2.—SEVERN. Right Bank Tributaries. 50 sq. mi.											
MONTGOMERYSHIRE. (Area, 797 sq. mi.)											
1.—DOVEY. 120 sq. mi.											
D	Machynlleth (Garth)	..	..	M. Bourne, Esq.	..	SH(23)760016	90	...	65.48	245	196
d	Corris (Ceinws Camp)	..	..	Forestry Commission	..	SH(23)759060	246	77.1	82.80	...	...
2.—YSTWYTH. 7 sq. mi.											
3.—WYE. 37 sq. mi.											
D	Birmingham W.W. (Bod-Talog)	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)868749	1250	...	73.07	241	214
M	§Birmingham W.W. (Glan-Fedwen)	..	..	C. A. Risbridger, Esq., C.E.	..	SN(22)871759	1375	...	74.51	...	...
D	Llangurig (Manod)	..	..	Capt. M. Bennett-Evans*	..	SN(22)840827	1050	...	82.42	223	200
w	Llangurig (Cefn-Brwyn)	..	..	Mr. I. Morgans*	..	SN(22)830837	1125	...	87.60	...	...
4.—SEVERN. Right Bank Tributaries. 154 sq. mi.											
d	Llanidloes (Hillfield)	..	..	G. E. Edwards, Esq.	..	SN(22)952840	550	...	44.42	207	162
D	Newtown (Mochdre Reservoir)	..	..	Surveyor	..	SO(32)079871	650	...	42.76	208	161
d	Hafren Lodge	..	..	Forestry Commission**	..	SN(22)889853	800	...	61.81	...	...
w	Plynlimon (Severn Weir)	..	..	Severn River Board	..	SN(22)850872	1090	...	83.15	...	...

§ Turf wall round gauge.

* Per Wye River Board.

** Per Severn River Board.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
MONTGOMERYSHIRE—(contd.)				ft.	in.	in.		
4.—SEVERN. Right Bank Tributaries—(contd.)								
W	Blaen Hafren	Severn River Board ..	SN(22)835884	1425	...	93.92	...	...
M	Clywedog (Cwm Biga)	Severn River Board ..	SN(22)857890	1015	75.6	79.40	...	...
d	Clywedog (Aber Biga)	Severn River Board ..	SN(22)886898	900	...	58.78	...	...
M	Clywedog (Hafod Cadwygan)	Severn River Board ..	SN(22)959905	1150	...	80.45	...	...
d	Newtown (Penarth Weir) ..	British Waterways ..	SO(32)136925	321	36.9	38.63	...	...
d	Kerry (The Forest)	J. E. M. Dugdale, Esq. ..	SO(32)131894	700	...	39.24	...	...
5.—SEVERN. Left Bank Tributaries. 479 sq. mi.								
D	Newtown (Gregynog Hall Gardens)	G. C. Austin, Esq. ..	SO(32)079969	650	...	37.32	211	169
D	Berriew (Brithdir Hall)	C. L. J. Humphreys, Esq. ..	SJ(33)194026	350	32.6	39.96	182	153
d	Welshpool (Fron Llwyd)	Col. G. B. D. Harrison ..	SJ(33)215077	500	34.8	38.79	166	149
d	Gam (Cwm Derwen)	Severn River Board ..	SH(23)954053	960	...	64.00	...	194
D	Gam (Abercannon Farm)	Severn River Board ..	SH(23)962069	800	...	65.47	235	185
M	Gam (Afon Cannon)	Severn River Board ..	SH(23)949079	1120	...	(72.00)	...	...
D	Twrch (Dol y Gaseg)	Severn River Board ..	SH(23)969149	810	...	70.52	218	172
M	Twrch (Cerniau)	Severn River Board ..	SH(23)951169	1160	...	80.80	...	...
M	Afon Twrch	Severn River Board ..	SH(23)941180	1390	...	81.90	...	...
D	Llansantffraid (Pen-y-Sarn) ..	Comdr. B. Davies, R.N. (Ret'd)	SJ(33)209179	300	...	39.29	193	170
M	Lake Vyrnwy (Cownwy Dam) ..	Liverpool Corpn. W.W. ..	SJ(33)000181	929	...	65.39	...	...
D	Lake Vyrnwy	British Waterways ..	SJ(33)018189	770	63.2	62.83	241	178
M	Lake Vyrnwy (Hen Gerig)	Liverpool Corpn. W.W. ..	SH(23)968188	1230	...	78.60	...	...
M	Lake Vyrnwy (Bryn Gwyn)	Liverpool Corpn. W.W. ..	SH(23)999196	1311	...	68.76	...	...
D	LAKE VYRNWY (Experimental Stn.) (+ A)	Liverpool Corpn. W.W. ..	SJ(33)016192	995	65.1	62.61	241	178
D	Lake Vyrnwy (Bank Cynon Isaf)	Liverpool Corpn. W.W. ..	SJ(33)018191	750	...	59.37	239	174
M	Lake Vyrnwy (Fron Goch)	Liverpool Corpn. W.W. ..	SJ(33)000213	835	...	66.13	...	...
M	Lake Vyrnwy (Ty Uchaf)	Liverpool Corpn. W.W. ..	SH(23)998215	860	56.1	68.65	...	...
M	Lake Vyrnwy (Heol-y-ffridd) ..	No. 1 Liverpool Corpn. W.W. ..	SH(23)974215	913	75.7	72.87	...	...
M	Lake Vyrnwy (Heol-y-ffridd) ..	No. 2 Liverpool Corpn. W.W. ..	SH(23)976215	830	...	71.40	...	...
M	Lake Vyrnwy (Tyn-y-ffridd) ..	Liverpool Corpn. W.W. ..	SJ(33)040213	1010	...	63.71	...	...
M	Lake Vyrnwy (Lluestwen)	No. 2 Liverpool Corpn. W.W. ..	SH(23)971202	1620	...	83.40	...	...
M	Lake Vyrnwy (Llwynrhiw)	Liverpool Corpn. W.W. ..	SH(23)975207	1428	83.7	80.84	...	...
M	Lake Vyrnwy (Nant Cawell)	Liverpool Corpn. W.W. ..	SH(23)936208	1610	...	87.46	...	...
M	§Lake Vyrnwy (Hirnant)	Liverpool Corpn. W.W. ..	SJ(33)048225	766	...	60.68	...	...
M	Lake Vyrnwy (Eunant Bridge) ..	Liverpool Corpn. W.W. ..	SH(23)962224	830	...	76.25	...	...
M	Lake Vyrnwy (Gadfa)	Liverpool Corpn. W.W. ..	SH(23)928232	1521	...	90.69	...	...
M	Lake Vyrnwy (Carreg Goch)	Liverpool Corpn. W.W. ..	SH(23)974237	1780	...	74.80	...	...
M	Lake Vyrnwy (Rhiwargor)	Liverpool Corpn. W.W. ..	SH(23)961242	860	...	72.65	...	...
M	Lake Vyrnwy (Hen Eglwys)	Liverpool Corpn. W.W. ..	SH(23)993253	1420	...	71.58	...	...
M	Lake Vyrnwy (Stone)	Liverpool Corpn. W.W. ..	SH(23)940263	1499	...	74.57	...	...
M	§Lake Vyrnwy (Fawnog)	Liverpool Corpn. W.W. ..	SJ(33)014219	1315	...	65.42	...	...
M	Lake Vyrnwy (Pennant Melangell)	Liverpool Corpn. W.W. ..	SJ(33)023265	660	...	63.04	...	...
M	Lake Vyrnwy (Erw Berfedd) ..	Liverpool Corpn. W.W. ..	SH(23)978264	1800	...	82.80	...	...
d	Pen-y-bont (Rhiwlas)	Liverpool Corpn. W.W. ..	SJ(33)114260	748	...	48.14	190	166
FLINTSHIRE. (Area, 256 sq. mi.)								
1.—DEE. 198 sq. mi.								
D	Hanmer (Gredington)	Lady Kenyon	SJ(33)447386	300	30.4	39.57	221	184
D	Mold (Mount Pleasant)	Water Engineer, Birkenhead	SJ(33)256663	503	32.8	38.46	213	168
D	Cilcain (No. 2 Reservoir)	Hawarden & Dist. W.W. Co.	SJ(33)163645	785	36.1	41.15	240	176

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
FLINTSHIRE—(contd.)				ft.	in.	in.		
1.—DEE—(contd.)								
W	Cilcain (No. 4 Reservoir)	.. .. Hawarden & Dist. W.W. Co.	SJ(33)154640	900	36.4	41.27	...	...
D	Northop (Soughton Hall)	.. .. R. W. Bankes, Esq.	SJ(33)246671	418	34.4	38.28	213	166
D	Connah's Quay (Penglwyllys)	.. .. Water Engineer, Birkenhead	SJ(33)287683	231	30.2	36.64	220	166
D	HAWARDEN BRIDGE	.. .. Messrs. J. Summers & Sons	SJ(33)322693	17	27.5	32.84	195	134
d	Halkyn (Bryn Awel)	.. .. Halkyn District Mines Ltd.	SJ(33)205707	870	36.0	40.61	221	172
d	Mostyn	.. .. Darwen & Mostyn Iron Co.	SJ(33)159808	4	31.9	36.38	199	157
2.—CLWYD. 51 sq. mi.								
D	Bodfari (Nantlys)	.. .. A. D. H. Pennant, Esq.	SJ(33)081711	178	29.7	33.23	220	154
D	Tremeirchion (St. Beuno's College)	.. .. Procurator	SJ(33)080742	450	...	34.50	199	160
D	ST. ASAPH (Dwilig Isaf Nursery)	.. .. Forestry Commission	SJ(33)045763	75	28.0	32.12	197	159
d	Dyserth (Penlee)	.. .. L. Wilson, Esq.	SJ(33)058783	260	29.2	33.88	222	162
D	RHYL (Westbourne Avenue)	.. .. (+ A) Urban District Council	SJ(33)002807	31	26.6	31.25	200	151
D	Rhyll (Dyserth Road)	.. .. H. Wilson, Esq.	SJ(33)024812	35	...	32.49	224	158
D	PRESTATYN	.. .. Urban District Council	SJ(33)065831	18	28.6	36.16	206	154
3.—SEVERN. Left Bank Tributaries. 7 sq. mi.								
DENBIGHSHIRE. (Area, 668 sq. mi.)								
1.—DEE. 270 sq. mi.								
D	Chirk (Old Vicarage)	.. .. Miss D. C. Jagger	SJ(33)293376	350	35.9	39.46	203	154
D	Llangollen (Vivod)	.. .. H. G. Best, Esq.	SJ(33)191424	640	38.3	41.08	219	179
D	RUABON (Acrefair)	.. .. Monsanto Chemicals Ltd.	SJ(33)273425	312	...	37.05	188	146
D	§Wrexham W.W. (Penycae)	.. .. Engineer	SJ(33)269454	678	40.6	43.83	224	173
M	§Wrexham W.W. (Bryn Adda)	.. .. Engineer	SJ(33)250453	1214	42.0	45.58	...	...
M	§Wrexham W.W. (Ruabon Mountain)	.. .. Engineer	SJ(33)237457	1634	43.6	46.50	...	...
M	Wrexham W.W. (Mountain Lodge)	.. .. Engineer	SJ(33)258474	1100	...	47.57	...	...
d	Wrexham W.W. (Ty Mawr Res.)	.. .. Engineer	SJ(33)274480	805	38.5	44.09	...	...
D	Wrexham W.W. (Pack Saddle Res.)	.. .. Engineer	SJ(33)305479	370	34.9	39.64	206	162
d	Wrexham W.W. (Cae Llwyd Res.)	.. .. Engineer	SJ(33)269482	918	40.2	42.88	...	...
M	Wrexham W.W. (World's End)	.. .. Engineer	SJ(33)242481	1573	44.1	46.48	...	...
M	§Wrexham W.W. (Erwau)	.. .. Engineer	SJ(33)262488	1160	44.7	47.94	...	...
M	Wrexham W.W. (Gwter Siani)	.. .. Engineer	SJ(33)248494	1503	44.4	46.78	...	...
M	§Wrexham W.W. (Abersychnant)	.. .. Engineer	SJ(33)232498	1370	43.3	47.89	...	...
M	Wrexham W.W. (Minera)	.. .. Engineer	SJ(33)262508	1400	40.3	47.39	...	...
D	WREXHAM (Grove Park School) (+ A)	.. .. Headmaster	SJ(33)338507	275	30.5	34.05	184	144
D	Wrexham (Camberley Drive)	.. .. R. Scutt, Esq.	SJ(33)342512	268	...	34.15	205	142
D	Wrexham W.W. (Pendinas Reservoir)	.. .. Engineer	SJ(33)232518	1249	42.1	42.56	225	184
D	BWYLGHWYN	.. .. Engineer	SJ(33)236520	1267	43.3	45.26	225	184
D	Wrexham W.W. (Nantyffrith Res.)	.. .. Engineer	SJ(33)243534	1040	...	43.43	225	185
D	Wrexham W.W. (Llancyfynwy)	.. .. Engineer	SJ(33)223545	1130	41.9	40.57	224	179
D	Llanfihangel-glyn-myfyr	.. .. Water Engineer, Birkenhead	SH(23)986491	898	43.6	45.79	229	171
D	River Alwen (Alwen Filter House)	.. .. Water Engineer, Birkenhead	SH(23)958528	1100	49.8	50.25	234	189
M	River Alwen (Craig-yr-lyrchen)	.. .. Water Engineer, Birkenhead	SH(23)938523	1500	...	56.13	...	...
D	River Alwen (Alwen Dam)	.. .. Water Engineer, Birkenhead	SH(23)955528	1189	52.8	52.39	236	194

§ Turf wall round gauge.

|| Site unorthodox.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
DENBIGHSHIRE—(contd.)				ft.	in.	in.		
1.—DEE—(contd.)								
D	River Alwen (Hafod-y-llan-isaf)	.. Water Engineer, Birkenhead	SH(23)957529	1180	50·2	51·90	236	191
M	River Brenig (Pentre-draw)	.. Water Engineer, Birkenhead	SH(23)972528	1100	...	47·99	...	...
M	River Alwen (Mwdwl-eithen)	.. Water Engineer, Birkenhead	SH(23)935535	1317	...	56·11	...	...
M	River Brenig (Elor-garreg-uchaf)	.. Water Engineer, Birkenhead	SH(23)964539	1240	...	56·11	...	...
M	River Alwen (Coed Tai Isaf)	.. Water Engineer, Birkenhead	SH(23)944544	1215	...	54·60	...	...
	Pentre Voelas (Nant Heilyn)	.. Water Engineer, Birkenhead	SH(23)925554	1225	53·6	58·16	...	...
M	River Alwen (Tan-y-graig)	.. Water Engineer, Birkenhead	SH(23)935563	1100	...	53·44	...	...
M	River Brenig (Hafad-yr-onen)	.. Water Engineer, Birkenhead	SH(23)969556	1175	49·5	50·04	...	...
M	River Alwen (Cottage Bridge)	.. Water Engineer, Birkenhead	SH(23)920562	1200	...	52·21	...	...
	Nantglyn (Pant-y-maen)	.. Water Engineer, Birkenhead	SH(23)977587	1320	55·0	55·37	...	...
	Llyn Brân	.. Water Engineer, Birkenhead	SH(23)960593	1428	56·2	55·72	...	...
2.—CLWYD & C. 267 sq. mi.								
D	Clawdd-newydd No. 2	.. Water Engineer, Birkenhead	SJ(33)078521	983	39·9	43·49	203	185
W	Ruthin (Corwen Road)	.. Water Engineer, Birkenhead	SJ(33)125556	234	32·8	33·11	...	...
	Llyn Aled	.. J. Round, Esq., A.M.I.C.E.	SH(23)915579	1228	50·4	52·33	...	...
D	Ruthin (Bwlch Tunnel)	.. Water Engineer, Birkenhead	SJ(33)164580	908	33·7	35·59	258	176
	Llyn Aled (Moel-y-Bryniau)	.. J. Round, Esq., A.M.I.C.E.	SH(23)913591	1250	50·2	50·48	...	...
D	Denbigh (Mental Hospital)	.. Clerk & Steward	SJ(33)051653	316	33·2	31·53	192	160
d	Denbigh (Groes Hall)	.. E. K. Turnour, Esq.	SJ(33)009648	650	35·3	38·46	...	...
D	Llangwylfan (Hospital)	.. Hospital Secretary	SJ(33)122661	460	31·0	34·66	219	166
	Llannefydd (Dolwen Res., South)	.. J. Round, Esq., A.M.I.C.E.	SH(23)972702	600	34·8	39·09	...	...
	Llannefydd (East)	.. J. Round, Esq., A.M.I.C.E.	SH(23)974706	570	34·7	40·66	...	...
D	Llannefydd (Plas Uchaf Res.)	.. J. Round, Esq., A.M.I.C.E.	SH(23)968712	485	32·6	38·60	220	153
D	Llannefydd (Glascoed Filter Station)	.. J. Round, Esq., A.M.I.C.E.	SH(23)996736	360	32·3	33·08	216	154
D	COLWYN BAY (Eirias Park)	.. Borough Surveyor	SH(23)857786	118	29·4	35·69	201	158
3.—CONWAY. 84 sq. mi.								
D	Pentre Voelas (Voelas Hall)	.. Col. J. C. Wynne Finch	SH(23)851515	644	...	58·22	235	193
D	Tal-y-Cafn (Bodnant)	.. Lord Aberconway, C.B.E.	SH(23)800725	170	38·4	43·25	224	177
4.—SEVERN. Left Bank Tributaries. 47 sq. mi.								
D	Llansilin (Penygwely Reservoir)	.. Borough Surveyor	SJ(33)222322	1055	...	46·70	214	173
MERIONETHSHIRE. (Area, 661 sq. mi.)								
1.—DEE. 218 sq. mi.								
M	Cwm Hirnant (Maesafallen)	.. Dee & Clwyd River Board	SH(23)948308	957	64·7	71·50	...	...
M	Afon Lliw (Blaen Lliw Isaf)	.. Dee & Clwyd River Board	SH(23)804328	1279	92·6	87·00	...	...
D	Bala (Boys' Grammar School)	.. Dee & Clwyd River Board	SH(23)929361	537	51·9	55·13	195	178
D	Llandrillo (Crogen)	.. H. Robertson, Esq.	SJ(33)008367	530	46·9	56·08	226	180
M	Trawsfynydd (Cwm Prysor)	.. Central Electricity Gen. Bd.	SH(23)792383	1300	85·2	73·72	...	...
D	CORWEN (Rhydyglafes)	.. Animal Breeding Res. Org.	SJ(33)048399	473	...	46·13	205	168
d	Afon Mynach (Hafod Nwydog)	.. Capt. C. A. Wright, O.B.E.	SH(23)898436	1198	71·5	69·97	207	194
	Derwen (Minffordd)	.. Water Engineer, Birkenhead	SJ(33)030483	971	40·6	44·82	...	...
2.—CLWYD. 7 sq. mi.								

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
MERIONETHSHIRE—(contd.)				ft.	in.	in.		
3.—GLASLYN. 92 sq. mi.								
D	HARLECH (Hendre)	E. H. Price, Esq., for M.O.	SH(23)599317	754	63·3	72·53	241	198
M	Trawsfynydd (Cefn Gell-y-Cwm)	Central Electricity Gen. Bd.	SH(23)705345	665	...	73·34	...	...
	Trawsfynydd (Tyn Twll)	Central Electricity Gen. Bd.	SH(23)686353	750	83·5	85·70	...	...
M	Trawsfynydd (Darn Gae)	Central Electricity Gen. Bd.	SH(23)762368	950	78·8	76·15	...	...
d	Pandy'r Ddwyrdd (Main Dam)	Central Electricity Gen. Bd.	SH(23)677377	650	71·2	73·09	...	...
w	Tyddyn-y-Gareg (Hendre Mur)	Central Electricity Gen. Bd.	SH(23)700383	660	71·3	73·65	...	...
d	Ffestiniog (Deudraeth)	Forestry Commission	SH(23)713408	1000	76·3	73·56	222	203
D	§Llyn Morwynion	Ffestiniog U.D.C.	SH(23)735422	1320	100·1	95·36	239	207
D	§Manod Ffestiniog	Ffestiniog U.D.C.	SH(23)701422	713	98·8	90·53	245	220
D	BLAENAU FFESTINIOG (County School)	Headmaster	SH(23)701458	750	...	92·88	259	219
D	Blaenau Ffestiniog (Oakeley Quarry)	G. W. Humphreys, Esq.	SH(23)693469	1100	115·7	102·15	246	220
D	Blaenau Ffestiniog (Llechwedd Quarry)	Messrs. J. W. Greaves & Son	SH(23)697468	700	110·0	98·69	239	210
4.—MAWDDACH & C. 262 sq. mi.								
D	Arthog (The Crescent)	Eric Parker, Esq.	SH(23)632148	6	49·0	57·22	226	176
	Dolgelley (Bronygader)	Lt.-Col. A. E. Jelf-Reveley	SH(23)718173	200	73·3	74·40	...	...
5.—DOVEY. 82 sq. mi.								
D	Aberdovey (Plas Penhelig)	Mrs. A. Rieben	SN(22)621963	150	44·6	54·50	241	187
D	Pennal (Llwynceilyn)	Lt.-Col. M. V. le P. Trench	SN(22)676986	30	59·5	65·49	225	193
D	Aberangell (Gwynynd)	J. Norman Jones, Esq.	SH(23)847101	450	72·9	71·96	215	187
6.—SEVERN. Left Bank Tributaries.								
CAERNARVONSHIRE. (Area, 572 sq. mi.)								
1.—BARDSEY ISLAND.								
2.—CONWAY & C. 146 sq. mi.								
D	Capel Curig (Gwydyr)	Forestry Commission	SH(23)748574	450	...	78·93	239	190
	Lake Llugwy	Central Electricity Gen. Bd.	SH(23)694622	1820	100·8	98·30	...	...
	Lake Cowlyd (Ffrith Garreg Wen)	Conway & Colwyn Bay W. Bd.	SH(23)739634	1168	89·4	89·34	...	...
	Lake Cowlyd (Cowlyd)	Central Electricity Gen. Bd.	SH(23)737637	1200	90·4	90·74	...	...
d	Lake Eigiau (Dam Site)	Central Electricity Gen. Bd.	SH(23)724647	1244	80·3	85·67	...	...
w	Llanbedr-y-Cennin (Melynlllyn)	J. A. Edwards, Esq., C.E.	SH(23)703657	2065	119·0	110·10	...	...
w	Llanbedr-y-Cennin (Llyndulyn)	J. A. Edwards, Esq., C.E.	SH(23)706663	1632	105·3	105·14	...	...
w	Llanbedr-y-Cennin (Plasdulyn)	J. A. Edwards, Esq., C.E.	SH(23)754698	509	55·3	60·09	170	...
d	Conway (Mussel Tanks)	Min. of Agric. & Fisheries	SH(23)785772	50	30·5	36·99	222	160
D	LLANDUDNO (Cricket Ground)	Medical Officer of Health	SH(23)776818	19	28·8	33·40	194	146
3.—MENAI STRAITS. 221 sq. mi.								
D	Edeyrn Tydweiliog (Cefnamwlch)	Brig. W. H. Wynne Finch	SH(23)234354	200	44·2	62·60	214	182
M	Nantlle (Dorothea Quarry)	Dorothea Slate Quarry Co.	SH(23)497532	300	63·4	64·65	...	...

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
CAERNARVONSHIRE—(contd.)				ft.	in.	in.		
3.—MENAI STRAITS—(contd.)								
D	Llandwrog (Glynllifon Gardens)	.. Glynllifon Agric. Institute ..	SH(23)455555	110	47.4	51.43	212	180
D	Bethesda (Penrhyn Quarries)	.. General Manager ..	SH(23)621653	527	64.6	68.11	233	187
D	Port Dinorwic (Vaynol)	.. Sir Michael Assheton-Smith ..	SH(23)538693	100	...	46.78	212	176
D	Bangor (BRYN ADDA)	.. Director, Ex. Hort. Stn. ..	SH(23)563705	275	47.0	47.74	247	183
D	Bangor (Town Hall)	.. Water Engineer & Surveyor ..	SH(23)580721	50	42.3	45.58	206	169
D	ABER (University College Farm)	.. Professor of Agriculture ..	SH(23)650728	60	41.6	46.73	237	177
D	Penmaenmawr (Treforris Road)	.. Mrs. E. H. Leonard ..	SH(23)732770	160	36.5	42.15	248	181
4.—ERCH & C. 155 sq. mi.								
D	Abersoch (Anhywel)	.. F. F. Winterbotham, Esq. ..	SH(23)313287	100	...	49.06	228	171
D	Pwllheli (West End)	.. B. V. Howell, Esq. ..	SH(23)366341	9	42.5	46.08	209	157
5.—GLASLYN. 50 sq. mi.								
D	Portmadoc (Wern)	.. Lt.-Col. M. I. Williams-Ellis ..	SH(23)543399	20	..	58.91	254	187
D	Beddgelert (Primary School)	.. Headmaster ..	SH(23)588482	133	90.2	93.67	264	217
D	Snowdon (Cwm Dyli)	.. (+ A) Central Electricity Gen. Bd. ..	SH(23)654542	310	140.5	116.98	266	223
M	Snowdon (Llewedd)	.. Central Electricity Gen. Bd. ..	SH(23)625538	1485	153.5	138.90	...	...
M	Snowdon (Delta)	.. Central Electricity Gen. Bd. ..	SH(23)624544	1435	170.1	156.10	...	...
M	Snowdon (Glaslyn)	.. Central Electricity Gen. Bd. ..	SH(23)618545	2050	...	150.70	...	...
M	Snowdon (Teryn)	.. Central Electricity Gen. Bd. ..	SH(23)644544	1080	156.0	132.98	...	...
d	Snowdon (Llydaw Intake)	.. Central Electricity Gen. Bd. ..	SH(23)636547	1480	150.7	134.89	...	...
d	Snowdon (L. Llydaw Copper Mine)	.. Central Electricity Gen. Bd. ..	SH(23)631548	1480	157.9	149.45	...	...
M	Snowdon (Llyn Llydaw)	.. Central Electricity Gen. Bd. ..	SH(23)638557	1470	...	133.60	...	...
M	Snowdon (Crib Goch)	.. Central Electricity Gen. Bd. ..	SH(23)623550	2340	171.7	157.00	...	...
ANGLESEY. (Area, 275 sq. mi.)								
D	Byrn-siencyn (Trefarthen)	.. Miss E. Meyrick ..	SH(23)482659	30	36.3	41.51	194	153
D	Newborough Forest	.. Forestry Commission ..	SH(23)414669	3	38.8	43.64	210	159
D	Plas Cadnant	.. Major C. Fanning-Evans ..	SH(23)557731	156	43.5	49.06	247	196
d	Llangefni (Glanaber)	.. W. Rowlands, Esq. ..	SH(23)457752	70	40.4	46.55	...	...
d	Llansadwrn (Treffos)	.. C. P. Vivian-Hampton, Esq. ..	SH(23)547753	318	43.7	50.17	...	...
D	Llansadwrn (Gadlys Cottage)	.. A. E. C. Morgan, Esq., M.A. ..	SH(23)548758	340	43.8	49.27	253	185
D	§HOLYHEAD (VALLEY Airfield)	.. (+ A) Meteorological Office ..	SH(23)310758	32	33.7	41.15	219	150
D	Llanerchymedd (Llwydiarth Esgob)	.. T. S. Bown, Esq. ..	SH(23)436843	175	40.3	44.27	228	160
D	Marian Glas (Old Parciau)	.. Capt. M. R. Macnab ..	SH(23)494842	270	44.9	48.16	211	169
D	Amlwch (Dyffryn Adda)	.. Major C. Fanning-Evans ..	SH(23)438913	178	38.2	42.95	219	160
ISLE OF MAN. (Area, 227 sq. mi.)								
D	Port St. Mary (The Point)	.. F. Edwards, Esq. ..	SC(24)209671	30	33.4	39.33	221	160
D	RONALDSWAY Airport	.. (+ A) Meteorological Office ..	SC(24)279688	55	34.3	37.88	215	155
D	Ballagawne Reservoir	.. I.O.M. Water Board ..	SC(24)237715	365	39.7	43.93	206	160
w	Douglas (Cringle Reservoir)	.. I.O.M. Water Board ..	SC(24)253743	500	47.9	54.31	...	...
D	DOUGLAS (Borough Cemetery)	.. Borough Surveyor ..	SC(24)382776	284	45.2	50.79	230	178
D	Douglas (Clypse Reservoir, Onchan)	.. Water Engineer ..	SC(24)403807	440	46.1	54.65	245	178
D	West Baldwin Reservoir	.. Water Engineer ..	SC(24)358831	475	59.9	64.48	239	194
M	§Sulby Glen (Block Eary Dam)	.. I.O.M. Water Board ..	SC(24)388900	620	63.0	75.40	...	...
D	Sulby (Filter House)	.. I.O.M. Water Board ..	SC(24)380933	106	45.1	49.89	213	173
D	Ramsey (Ballure Reservoir)	.. I.O.M. Water Board ..	SC(24)455930	245	51.2	56.96	262	182
D	POINT OF AYRE	.. Lightkeeper, for M.O. ..	NX(25)467043	30	31.0	37.16	207	161

§ Turf wall round gauge.

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958			
				†National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more	
CHANNEL ISLANDS. (Area, 76 sq. mi.)					ft.	in.	in.			
JERSEY. 45 sq. mi.										
D	St. Saviour (Petit Ménage)	.. ..	Capt. G. J. Robin	.. ..	WV(554)662482	30	...	40·08	185	154
D	St. Helier (Harbour Office)	.. ..	Greffier	.. ..	WV(554)651483	28	30·1	36·05	177	146
D	St. Helier (St. Louis Observatory)(+ A)	.. ..	Rev. Father C. Rey, S.J.*	.. ..	WV(554)661494	180	...	39·57	196	155
D	St. Brelade (La Sergenté)	.. ..	W. Benest, Esq.*	.. ..	WV(554)567486	194	32·2	33·97	196	146
D	St. Peter (JERSEY AIRPORT)	.. ..	(+ A) States of Jersey	.. ..	WV(554)588508	273	32·8	36·58	194	149
D	St. Lawrence (Beaumont Marsh)	.. ..	R. Burrow, Esq.	.. ..	WV(554)615499	60	...	42·25	199	152
D	Millbrook Reservoir	.. ..	R. Burrow, Esq.	.. ..	WV(554)632507	53	34·3	40·34	189	150
D	Grands Vaux Reservoir	.. ..	R. Burrow, Esq.	.. ..	WV(554)664507	272	...	39·70	186	157
D	St. Ouen's Manor	.. ..	Sir Guy Malet de Carteret*	.. ..	WV(554)584531	260	...	35·80	186	148
D	Handois Reservoir	.. ..	R. Burrow, Esq.	.. ..	WV(554)632537	272	...	44·39	226	176
D	Trinity (States Experimental Farm)	.. ..	States of Jersey*	.. ..	WV(554)660540	340	...	42·00	194	153
D	St. Ouen (Vinchalez)	.. ..	F. le Maistre, Esq.*	.. ..	WV(554)568555	260	...	36·83	188	152
GUERNSEY. 25 sq. mi.										
D	Haut Nez	.. ..	W. H. Morgan, Esq.	.. ..	WV(554)311762	340	34·5	39·81	210	160
D	Kings Mills	.. ..	W. H. Morgan, Esq.	.. ..	WV(554)292787	45	...	36·32	183	146
D	Les Quartiers	.. ..	A. Higgs, Esq.	.. ..	WV(554)324805	60	...	33·92	180	143
D	GUERNSEY (STATES AIRPORT)	.. ..	Commandant	.. ..	WV(554)294759	340	33·9	36·92	188	151
D	Sark (La Clôture)	.. ..	W. J. Roe, Esq.	.. ..	WV(554)456736	300	...	36·75	199	153
D	ALDERNEY (Airport)	.. ..	Aerodrome Superintendent	.. ..	WV(554)564065	288	...	32·29	176	133

Scotland

DIVISION XII—SOUTHERN COUNTIES

WIGTOWNSHIRE. (Area, 488 sq. mi.)							
1.—LOCH RYAN. 46 sq. mi.							
D Castle Kennedy (Lochinch)	The Earl of Stair	NX(25)113607	85	47·1	50·33	225	182
D Stranraer Filters	Burgh Surveyor	NX(25)036619	227	50·2	49·25	...	...
2.—WESTERN GALLOWAY. 44 sq. mi.							
Corsewall	Com'rs of N. Lighthouses ..	NX(25)980727	48	...	43·27	183	169
3.—LUCE BAY. 186 sq. mi.							
d Port William (Monreith)	Monreith Estate Company	NX(25)361433	145	41·0	44·84	(212)	(174)
w Glenluce (Dunragit)	Dept. of Agriculture	NX(25)152587	341	44·8	45·65	...	...
D Glenluce (Camrie Farm)	James Gordon, Esq.	NX(25)201600	352	50·5	46·83	246	181
D STRANRAER (PENWHIRN)	County Engineer	NX(25)127693	546	...	58·65	225	187
4.—CREE & WIGTOWN BAY. 212 sq. mi.							
D Garlieston (Galloway House)	E. A. Strutt, Esq.	NX(25)474455	30	42·7	(44·46)	216	177
D Garlieston (Culderry)	Capt. A. Walmsley	NX(25)476467	25	41·8	42·87	213	173
w Kirkcowan (Craighlaw)	Mrs. S. R. Fleming-Hamilton	NX(25)306610	300	51·2	51·91	...	...
D Newton Stewart (Little Barraer) ..	H. P. Hawthorn, Esq.	NX(25)381619	180	48·3	46·95	226	178

† Universal Transverse Mercator Grid, Zone 30U, for the Channel Islands.

* Per R. Burrow, Esq.

DIVISION XII—SOUTHERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
KIRKCUDBRIGHTSHIRE. (Area, 902 sq. mi.)				ft.	in.	in.		
1.—DOON. 16 sq. mi.								
2.—CREE & WIGTOWN BAY. 222 sq. mi.								
D	Borgue (Roberton)	.. J. Douglas Brown, Esq., O.B.E.	NX(25)600486	50	40·6	43·88	201	167
D	PALNURE (Kirkroughtree Forest)	.. Forestry Commission	NX(25)455648	50	53·5	52·24	223	179
D	BARGRENNAN (Glencaird)	.. Forestry Commission	NX(25)361789	360	...	55·23	230	183
3.—DEE. 377 sq. mi.								
D	Threave	.. National Trust of Scotland	NX(25)752605	275	50·5	44·76	175	146
D	GLENLOCHAR	.. S. of Scotland Electricity Bd.	NX(25)732646	154	47·9	45·43	209	162
D	Mossdale (Hensol)	.. The Marchioness of Ailsa	NX(25)675697	200	...	52·41	210	172
D	New Galloway (Wellwood)	.. W. McClure, Esq.	NX(25)633776	232	56·7	50·72	223	175
D	Craigenallie	.. S. of Scotland Electricity Bd.	NX(25)504779	740	82·3	77·24	237	198
W	Loch Dee	.. S. of Scotland Electricity Bd.	NX(25)479792	800	87·4	78·68	...	...
D	||Dalry (GLENLEE)	.. (+ A) S. of Scotland Electricity Bd.	NX(25)607805	181	60·1	53·72	223	178
D	Dalry (Garroch)	.. W. A. Lockhart, Esq.	NX(25)593810	250	64·5	54·18	224	189
D	Dalry (Forrest Lodge)	.. R. M. Watson, Esq.	NX(25)555866	500	74·5	65·16	227	186
D	Carsphairn (Dundeugh)	.. Forestry Commission	NX(25)598879	390	...	52·46	202	175
D	Dalry (Kendoon)	.. S. of Scotland Electricity Bd.	NX(25)615884	520	54·0	51·58	232	182
D	Carsphairn (The Knowe)	.. J. A. Hunter, Esq.	NX(25)561934	590	59·8	55·11	216	188
D	Carsphairn (Cornharrow)	.. S. of Scotland Electricity Bd.	NX(25)668930	810	58·7	55·86	213	186
D	Carsphairn Moor	.. S. of Scotland Electricity Bd.	NX(25)569035	790	67·8	62·22	239	197
4.—URR & C. 196 sq. mi.								
D	Auchencairn (Daffin Cottage)	.. Mrs. M. C. Milligan	NX(25)798516	50	50·1	49·40	194	161
M	Auchencairn (Torr House)	.. Thomas Ovens, Esq.	NX(25)800527	50	50·5	49·16	...	...
D	CASTLE DOUGLAS (The Leaths)	.. Imperial Chem. Indust. Ltd.	NX(25)789629	196	...	45·22	188	161
D	Castle Douglas (Corbieton)	.. Miss A. G. Biggar	NX(25)795657	175	47·1	42·96	174	150
D	Chipperkyle	.. Miss Isobel Pollock-Morris	NX(25)783687	310	50·1	47·45	208	167
5.—NITH & C. 91 sq. mi.								
D	Lochrutton (Dumfries Waterworks)	.. J. R. Whyte, Esq., C.E.	NX(25)901743	273	49·5	44·87	207	166
d	Glenkiln Reservoir	.. J. R. Whyte, Esq., C.E.	NX(25)851776	450	56·9	54·50	192	183
DUMFRIESSHIRE. (Area, 1,074 sq. mi.)								
1.—CLYDE. Right Bank Tributaries. 5 sq. mi.								
M	§Daer (Whiteholm)	.. Water Engineer, Lanarkshire	NS(26)984036	1360	82·9	72·74	...	...
2.—URR. 6 sq. mi.								
3.—NITH & C. 421 sq. mi.								
D	RUTHWELL (Comlongon Castle)	.. The Earl of Mansfield	NY(35)078691	95	36·9	40·93	212	155
D	§DUMFRIES (Crichton Royal Institute)	Physician Superintendent	NX(25)980746	140	42·8	42·88	198	159

§ Turf wall round gauge.

|| Gauge over-sheltered.

DIVISION XII—SOUTHERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958		
				National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
DUMFRIESSHIRE—(contd.)					ft.	in.	in.		
3.—Nith & Co.—(contd.)									
D	Blackwood	.. ..	T. H. Kennedy, Esq.	NX(25)907870	100	46.3	45.42	217	169
D	Kettleton	.. ..	County Engineer	NX(25)901995	640	...	53.21	240	209
M	Euchanhead	.. ..	County Engineer	NS(26)683057	1370	80.7	69.70	...	...
D	Euchanbank	.. ..	County Engineer	NS(26)705064	1080	...	65.19	235	193
M	§Benzien Craig	.. ..	County Engineer	NS(26)723067	990	...	56.55	...	...
M	Poltallan Burn	.. ..	County Engineer	NS(26)692075	1550	71.0	62.12	...	...
D	Durrisdeer (Drumlanrig)	.. ..	Master of Works	NX(25)851992	191	...	48.40	232	173
D	Kirkconnel (Fauldhead)	.. ..	National Coal Board	NS(26)735123	530	49.6	45.94	216	176
4.—ANNAN. 367 sq. mi.									
d	Annan (Chapelcross Works)	.. ..	Messrs. Merz & McLellan	NY(35)216702	295	...	42.35	207	166
D	Dalton (Kirkwood)	.. ..	Captain J. Steel	NY(35)122752	260	44.4	46.84	218	163
D	Parkgate (Glenview)	.. ..	Forestry Commission	NX(25)972918	538	56.4	55.41	220	182
M	Forest of Ae (Cran Loch)	.. ..	Forestry Commission	NY(35)004938	1100	61.4	60.34	...	...
d	Moffat (St. Margaret's)	.. ..	James Corbett, Esq.	NT(36)068038	463	57.4	50.95	181	160
5.—ESK. 275 sq. mi.									
D	Eaglesfield (Springkell Gardens)	.. ..	Lt.-Col. R. Johnson-Ferguson	NY(35)255751	303	45.3	47.93	215	175
D	Half Morton (Solway Bank)	.. ..	Major B. Johnson-Ferguson	NY(35)308775	455	50.1	45.11	229	170
D	Canonbie (Irvine House)	.. ..	Capt. J. G. Milne-Home	NY(35)374806	200	49.6	46.00	200	166
D	Winterhope	.. ..	County Engineer	NY(35)273823	570	56.0	48.07	250	174
D	Langholm (Craigcleuch)	.. ..	J. B. Robertson, Esq.	NY(35)343867	490	59.6	51.78	238	174
D	Eskdalemuir (Sandyford)	.. ..	County Engineer	NY(35)205938	728	...	54.80	256	194
M	Eskdalemuir (Fauldbrae)	.. ..	County Engineer	NY(35)231959	930	...	53.84	...	...
M	§Eskdalemuir (Cairn Knowe)	.. ..	County Engineer	NY(35)199971	1060	64.3	58.57	...	...
M	Eskdalemuir (Blackeshead)	.. ..	County Engineer	NY(35)205973	797	...	56.71	...	...
M	§Eskdalemuir (Peat Rig)	.. ..	County Engineer	NY(35)184997	1251	...	63.71	...	...
M	Eskdalemuir (Garwaldshields)	.. ..	County Engineer	NY(35)194997	941	62.6	57.87	...	...
M	§Eskdalemuir (Monkinshaw Knowe)	.. ..	County Engineer	NY(35)217996	1054	68.2	58.20	...	...
D	Eskdalemuir (Johnstone House)	.. ..	Lady Lethem	NT(36)246001	650	58.7	53.13	223	187
M	Eskdalemuir (White Hole)	.. ..	County Engineer	NT(36)207011	1230	...	60.38	...	...
M	§Eskdalemuir (Jock's Shoulder)	.. ..	County Engineer	NT(36)177021	1757	...	65.13	...	...
D	ESKDALEMUIR Observatory	.. (+ A)	Meteorological Office	NT(36)235026	794	62.3	55.04	233	182
ROXBURGHSHIRE. (Area, 666 sq. mi.)									
1.—NORTH TYNE. 6 sq. mi.									
2.—TWEED. LOWER. Right Bank Tributaries. 57 sq. mi.									
D	Yetholm (Old Graden)	.. ..	P. S. Short, Esq.	NT(36)798300	500	...	30.28	197	154
D	CHEVIOT HILLS (SOURHOPE)	.. (+ A)	Hill Farming Research Org'n	NT(36)843203	900	...	34.48	198	152
3.—TWEED. Teviot & c. 431 sq. mi.									
D	Roberton (Craik)	.. ..	J. R. Harkness, Esq.	NT(36)345084	725	...	50.75	206	166
D	HAWICK (WAUCHOPE)	.. ..	Forestry Commission	NT(36)587097	560	...	53.87	200	147

§ Turf wall round gauge.

DIVISION XII—SOUTHERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
ROXBURGHSHIRE—(contd.)				ft.	in.	in.		
3.—TWEED Teviot & c.—(contd.)								
D	Hawick Sewage Works	.. .. Tweed River Purification Bd.	NT(36)512156	315	...	30.51	211	152
D	Denholm (Spital Tower)	.. .. J. G. Leadbetter, Esq.	NT(36)587182	425	31.1	31.54	228	151
d	Jedburgh (Jedneuk)	.. .. Capt. J. S. Aikman, M.C.	NT(36)656234	270	...	28.06	(191)	(139)
D	Crailing	.. .. Mr. J. Y. Burns	NT(36)687243	190	27.1	27.75	190	146
d	Ancrum (Monteviot)	.. .. Capt. J. S. Aikman, M.C.	NT(36)643250	210	...	29.92	198	136
4.—TWEED. Ettrick & c. 10 sq. mi.								
D	Melrose (Dingleton Hospital)	.. Superintendent	NT(36)543332	480	...	29.00	197	147
5.—TWEED. Gala. 6 sq. mi.								
6.—TWEED. Leader & c. 25 sq. mi.								
7.—TWEED. LOWER. Left Bank Tributaries. 25 sq. mi.								
D	KELSO (FLOORS)	.. .. The Duke of Roxburghe	NT(36)707345	195	25.9	28.95	194	150
8.—ESK. 106 sq. mi.								
w	Newcastleton Forest	.. .. Forestry Commission	NY(35)551878	800	...	47.80	...	...

DIVISION XIII—SOUTH-EASTERN COUNTIES

SELKIRKSHIRE. (Area, 268 sq. mi.)							
1.—TWEED. Teviot & c. 34 sq. mi.							
2.—TWEED. Ettrick & c. 192 sq. mi.							
D Ettrick School	Tweed River Purification Bd.	NT(36)266145	745	...	50.34	225	178
D SELKIRK (BOWHILL)	Buccleugh Estates Ltd. ..	NT(36)427273	600	...	34.49	205	144
d Selkirk (Burn Mill)	County Surveyor	NT(36)462286	390	...	31.35	186	146
d Selkirk (Byethorn)	Tweed River Purification Bd.	NT(36)475286	600	...	33.03	169	149
M Selkirk (Broomhill)	C. Mackenzie, Esq. ...	NT(36)483297	575	...	32.90	...	...
D Thirlestane Castle	Comdr. The Hon. N. Napier	NT(36)282153	780	...	48.39	225	173
M §Edinburgh W.W. (Megget Head) ..	Edinburgh Water Engineer	NT(36)152199	1496	...	59.00	...	...
3.—TWEED. UPPER. Right Bank Tributaries. 17 sq. mi.							
4.—TWEED. UPPER. Left Bank Tributaries. 19 sq. mi.							
D Caddonfoot (Fairnilee)	Mr. A. Bruce	NT(36)456332	450	...	36.35	199	151
D Galashiels (Sewage Works)	Tweed River Purification Bd.	NT(36)513351	316	...	29.31	218	140
M §Galashiels (Knowsdean Reservoir) ..	Water Superintendent ..	NT(36)437393	892	...	34.22	...	...
M §Galashiels (Craig Head)	Water Superintendent ..	NT(36)417403	900	...	36.30	...	...
M §Galashiels (Caddonhead)	Water Superintendent ..	NT(36)401410	1050	...	36.30	...	...
5.—TWEED. Gala. 6 sq. mi.							

§ Turf wall round gauge.

DIVISION XIII—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
		National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
PEEBLESSHIRE. (Area, 348 sq. mi.)			ft.	in.	in.		
1.—TWEED. UPPER. Right Bank Tributaries. 127 sq. mi.							
M §Edinburgh W.W. (Ravenscraig) ..	Edinburgh Water Engineer	NT(36)142140	2258	...	73.20	...	...
M §Edinburgh W.W. (Ballaman Hill) ..	Edinburgh Water Engineer	NT(36)095149	1700	...	55.70	...	...
M §Edinburgh W.W. (Gameshope Loch) ..	Edinburgh Water Engineer	NT(36)132162	1900	...	70.80	...	...
M §Edinburgh W.W. (Garelot Dod) ..	Edinburgh Water Engineer	NT(36)126175	2200	...	73.40	...	...
M §Edinburgh W.W. (Loch Craighead) ..	Edinburgh Water Engineer	NT(36)167176	2627	...	72.00	...	...
M §Edinburgh W.W. (Gameshope Farm) ..	Edinburgh Water Engineer	NT(36)139176	1538	...	70.60	...	...
M Edinburgh W.W. (Fruid Farm) ..	Edinburgh Water Engineer	NT(36)108182	1020	...	51.00	...	...
M Edinburgh W.W. (Hawkshaw) ..	Edinburgh Water Engineer	NT(36)085204	1100	...	46.80	...	...
M §Edinburgh W.W. (Talla Linns Foot) ..	Edinburgh Water Engineer	NT(36)133203	966	61.0	57.80	...	...
M Edinburgh W.W. (Upper Menzion) ..	Edinburgh Water Engineer	NT(36)102207	1020	...	44.15	...	...
M §Edinburgh W.W. (Nether Garelot) ..	Edinburgh Water Engineer	NT(36)114209	1700	...	54.64	...	...
M §Edinburgh W.W. (The Rig) ..	Edinburgh Water Engineer	NT(36)090221	1150	...	43.18	...	...
D Edinburgh W.W. (Victoria Lodge) ..	Edinburgh Water Engineer	NT(36)106229	900	50.1	43.30	204	172
D BROUGHTON (Stanhope Farm) ..	Animal Breeding Res. Organ'n	NT(36)123296	741	...	39.70	213	165
w Broughton (Stanhope) mid-gauge ..	Animal Breeding Res. Organ'n	NT(36)156273	1250	...	53.45	...	...
2.—TWEED. UPPER. Left Bank Tributaries. 192 sq. mi.							
w Broughton (Dan Law) ..	Animal Breeding Res. Organ'n	NT(36)176264	2500	...	79.45	...	...
w Innerleithen (Glen) ..	Blackhouse, Craig Douglas & Glen I. and Co. Ltd. ..	NT(36)299331	720	...	38.95	...	...
D Stobo Castle ..	Mr. Andrew Dunlop ..	NT(36)179368	594	38.5	38.84	224	166
D BLYTHBRIDGE (Blythbank) ..	Animal Breeding Res. Organ'n	NT(36)141463	830	...	36.86	217	156
D West Linton (Woodlea Cottage) ..	Edinburgh Water Engineer	NT(36)159507	801	...	34.99	219	159
D WEST LINTON (Central School) ..	C. Blacklaw, Esq. ..	NT(36)150520	800	...	36.46	219	155
D §West Linton (Baddingsgill Reservoir) ..	T. Aitken, Esq. ..	NT(36)126554	1100	...	43.74	240	162
3.—ESK. 23 sq. mi.							
D Eddleston (Portmore Reservoir) ..	Edinburgh Water Engineer	NT(36)260507	1000	...	36.95	219	167
D Carlops (North Esk Reservoir) ..	J. Gilmour, Esq. ..	NT(36)154578	1150	...	39.06	224	158
4.—CLYDE. Right Bank Tributaries. 6 sq. mi.							
BERWICKSHIRE. (Area, 457 sq. mi.)							
1.—TWEED. Gala. 6 sq. mi.							
2.—TWEED. Leader. 92 sq. mi.							
d Earlston (Cowdenknowes) ..	Head Gardener ..	NT(36)577372	300	29.5	31.01	...	134
D Earlston (Carolside) ..	Sir John Gilmour, Bart. ..	NT(36)563401	350	...	30.11	193	147
3.—TWEED. LOWER. Left Bank Tributaries. 115 sq. mi.							
D Coldstream (Lochton) ..	Mrs. Aitchison ..	NT(36)777389	150	...	27.27	195	144
D Swinton House ..	(+A) Canon A. E. Swinton, M.A. ..	NT(36)818470	200	27.0	29.13	205	140

§ Turf wall round gauge.

DIVISION XIII—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
BERWICKSHIRE.—(contd.)				ft.	in.	in.		
4.—TWEED. Whiteadder. 164 sq. mi.								
D	MARCHMONT House	Sir John McEwen, Bart. . .	NT(36)743484	498	30·7	34·13	209	149
d	Oxton (Channelkirk School)	Tweed River Purification Bd.	NT(36)496536	695	...	33·23	184	139
D	Longformacus (Rawburn Filter House)	Tweed River Purification Bd.	NT(36)672562	813	...	36·06	200	152
D	Duns Castle	Col. G. H. Hay	NT(36)775543	500	31·2	31·69	216	142
D	Duns (Manderston)	Major C. W. H. Bailie ..	NT(36)809547	353	31·1	34·95	200	142
D	Longformacus (Whitchester)	Mrs. Landale	NT(36)721589	838	33·7	33·42	226	157
D	Abbey St. Bathans School	Tweed River Purification Bd.	NT(36)761620	472	...	36·87	203	151
d	Eyemouth High School	Tweed River Purification Bd.	NT(36)942641	75	...	31·57	165	127
5.—EAST COAST STREAMS. 80 sq. mi.								
d	Cockburnspath (Redheugh)	T. S. Dykes, Esq.	NT(36)822699	288	28·0	34·74	171	127
EAST LoTHIAN. (Area, 267 sq. mi.)								
1.—TWEED. Leader. 1 sq. mi.								
2.—TWEED. Whiteadder. 35 sq. mi.								
D	Lammermuir Hills (Hungry Snout) ..	Adam Robson, Esq. ..	NT(36)664634	715	...	35·89	208	147
3.—EAST COAST STREAMS. 69 sq. mi.								
w	Garvald (Donolly Reservoir)	Adam Robson, Esq. ..	NT(36)580690	532	30·6	29·89	...	...
	Garvald (Thorter Reservoir)	Adam Robson, Esq. ..	NT(36)605695	725	30·3	28·84	...	...
D	DUNBAR (Public Park)	Burgh Surveyor	NT(36)672791	75	23·5	24·90	171	120
4.—TYNE & C. 114 sq. mi.								
D	Lammermuir Hills (West Hopes) ..	Adam Robson, Esq. ..	NT(36)556627	736	35·8	35·49	181	156
w	Lammermuir Hills (Stobshiel Res.) ..	Adam Robson, Esq. ..	NT(36)501617	927	34·2	33·01	...	...
w	Lammermuir Hills (Lammerloch Res.)	Adam Robson, Esq. ..	NT(36)517635	900	33·8	31·50	...	...
D	HADDINGTON (Neilson Park)	Town Council	NT(36)513736	161	25·6	25·99	178	125
5.—FIRTH OF FoRTH. 48 sq. mi.								
D	East Fortune Hospital	Clerk of Works	NT(36)553793	101	24·9	26·78	168	123
d	||North Berwick (Netherheugh) ..	Hector Macpherson, Esq. ..	NT(36)562846	120	25·0	28·10	183	123
D	NORTH BERWICK (East Lodge)	Town Council	NT(36)555852	51	...	28·10	174	119
6.—INSULAR.								
MIDLoTHIAN. (Area, 369 sq. mi.)								
1.—TWEED. Gala. 68 sq. mi.								
D	Stow (Cragdale)	A. H. Fairgrieve, Esq. ..	NT(36)457454	642	36·4	34·31	195	144

|| Gauge over-sheltered.

DIVISION XIII—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
MIDLOTHIAN—(contd.)				ft.	in.	in.		
2.—TYNE. 28 sq. mi.								
D	Ford (The Dowery House) ..	A. H. H. Ross, Esq. ..	NT(36)387644	420	27.5	26.33	186	133
3.—FIRTH OF FORTH. 3 sq. mi.								
4.—ESK. 116 sq. mi.								
D	Moorfoot Hills (Rosebery) ..	Edinburgh Water Engineer	NT(36)308570	750	33.7	33.57	205	160
D	PENICUIK	Dr. J. T. Baldwin	NT(36)233599	620	37.3	35.62	214	150
M	Pentland Hills (Harehill) ..	Edinburgh Water Engineer	NT(36)183615	1297	39.0	40.18	...	...
D	Pentland Hills (Martyr's Cross) ..	Edinburgh Water Engineer	NT(36)229623	750	37.2	37.20	227	156
D	Pentland Hills (Loganlea) ..	Edinburgh Water Engineer	NT(36)199626	811	38.6	40.30	210	154
D	Pentland Hills (Glencorse Filters)	Edinburgh Water Engineer	NT(36)225631	638	36.0	34.20	204	155
D	Pentland Hills (Glen Cottage) ..	Edinburgh Water Engineer	NT(36)223635	739	38.1	35.61	212	157
D	Milton Bridge (BUSH HOUSE) ..	Edin. & E. of S. Coll. of Agric.	NT(36)244636	605	...	35.42	207	145
d	Newbattle (Public School) ..	C. D. Walinck, Esq., M.A.	NT(36)337649	300	27.5	26.95	...	138
5.—ALMOND & C. 153 sq. mi.								
D	Pateshill Reservoir, <i>new site</i> ..	T. Aitken, Esq.	NS(26)990592	900	...	43.36	216	175
D	Pentland Hills (Harperrig) .. (+ A)	Edinburgh Water Engineer	NT(36)102611	900	40.6	37.91	221	148
D	Pentland Hills (Morton)	T. Aitken, Esq.	NT(36)074632	749	38.5	38.36	208	155
d	West Calder (Addiewell)	Scottish Oils, Ltd.	NT(36)001626	620	37.7	39.64	199	160
D	BALERNO (Cockburn Farm)	Sir Alick Buchanan-Smith	NT(36)147651	700	37.1	40.20	209	163
M	Pentland Hills (Bonaly Res.) ..	Edinburgh Water Engineer	NT(36)207654	1112	36.4	38.27	...	...
D	Pentland Hills (Clubbiedean Res.)	Edinburgh Water Engineer	NT(36)203670	773	32.1	36.29	191	140
D	MIDCALDER (Howden) .. (+ A)	Nat. Inst. Agr. Engineering	NT(36)053676	400	33.1	39.45	214	139
D	Fairmilehead (Frogston Road) ..	J. Aitchison, Esq.	NT(36)252681	600	...	30.18	205	141
D	Fairmilehead (Waterworks)	Edinburgh Water Engineer	NT(36)249683	590	31.2	31.95	191	127
D	Liberton (Alnwick Hill) .. (+ A)	Edinburgh Water Engineer	NT(36)273690	407	28.7	30.87	196	132
M	Liberton (Hawkhead Grove)	Miss E. M. Stuart	NT(36)272695	400	31.0	32.43	...	...
D	Colinton (Firhill Tank)	Edinburgh Water Engineer	NT(36)226699	412	29.4	35.40	203	144
d	LIBERTON (College Farm)	Edin. & E. of Scot. Coll. of Ag.	NT(36)273705	190	28.5	30.25	...	131
D	Liberton (The Inch)	Superintendent of Parks ..	NT(36)277708	150	29.5	32.89	213	140
D	EDINBURGH (BLACKFORD HILL) ..	Astronomer Royal for Scot.	NT(36)259706	441	27.5	29.51	182	125
d	Edinburgh (Fountainhall Road) ..	R. C. Macfarlane, Esq. ..	NT(36)262715	225	28.5	31.58	...	...
D	Edinburgh (Portobello)	A. Hagopian, Esq.	NT(36)302728	100	26.7	29.00	168	127
D	TURNHOUSE (Edinburgh Airport) (+ A)	Meteorological Office ..	NT(36)159739	114	27.0	32.16	191	125
d	Edinburgh Astley Ainslie Institute	Medical Superintendent ..	NT(36)251713	270	28.5	33.83	...	145
D	EDINBURGH (ROYAL BOTANIC GDN.)	Curator	NT(36)247747	74	26.7	30.70	178	127
D	DAVIDSON'S MAINS (Easter Park) ..	J. W. Younger, Esq.	NT(36)202757	200	28.1	32.71	203	124
6.—CLYDE. Right Bank Tributaries. 1 sq. mi.								
WEST LOTHIAN. (Area, 120 sq. mi.)								
1.—ALMOND & C. 60 sq. mi.								
d	West Calder (Westwood)	Scottish Oils Ltd.	NT(36)014643	480	...	38.77	...	...
M	Uphall	No. 7 W. Lothian Hospital Board	NT(36)017712	646	35.4	38.90	...	...

DIVISION XIII—SOUTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
WEST LoTHIAN—(contd.)				ft.	in.	in.		
1.—ALMOND & C.—(contd.)								
M	Uphall	No. 8 W. Lothian Hospital Board	NT(36)024708	577	34·7	38·55	...	...
d	Uphall (Middleton Hall)	Scottish Oils Ltd.	NT(36)061716	350	33·8	40·29	...	...
D	Dalmeny House	The Earl of Rosebery	NT(36)168780	20	28·2	31·25	162	121
2.—FORTH. Right Bank Tributaries. 59 sq. mi.								
d	Armadale (Sewage Works)	Burgh Surveyor	NS(26)938693	417	...	42·77	180	158
D	Torphichen (Lochcote)	Wm. Beattie, Esq.	NS(26)974737	550	36·1	39·37	229	156
D	§Uphall (Beecraigs)	T. Aitken, Esq.	NT(36)013743	477	39·3	45·26	213	155
M	Carribber Reservoir	Wm. Beattie, Esq.	NS(26)972749	350	35·1	38·22	...	...
w	Linlithgow (Cockleroi Reservoir)	Burgh Surveyor	NS(26)994749	587	35·4	38·64	...	...
D	Linlithgow (Craigenroan)	James Flett, Esq.	NT(36)001766	290	...	36·53	195	137
D	Linlithgow (Preston House)	Head Gardener	NS(26)995758	380	35·8	41·78	229	153
D	Linlithgow (Grange)	Col. H. M. Cadell	NT(36)000787	440	32·4	37·26	201	142
3.—CLYDE. Right Bank Tributaries. 1 sq. mi. ..								

DIVISION XIV—SOUTH-WESTERN COUNTIES

LANARKSHIRE. (Area, 881 sq. mi.)

1.—TWEED. UPPER. Left Bank Tributaries. 20 sq. mi.

2.—ALMOND. 14 sq. mi.

3.—FORTH. Right Bank Tributaries. 9 sq. mi.

D Airdrie (Forrestburn Reservoir)	T. Aitken, Esq.	NS(26)874649	735	...	44·88	210	175
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4.—CLYDE. Right Bank Tributaries. 378 sq. mi.

M § Daer (Lamb Sike)	County Water Engineer	NS(26)978044	1310	80·5	69·60
M § Daer (Whiteburn)	County Water Engineer	NS(26)997060	1250	79·4	70·00	...	...
D § Daer (Sweetshaw Burn)	County Water Engineer	NS(26)983090	1152	70·8	63·12	238	192
D § Daer (Garls Craig)	County Water Engineer	NS(26)976092	985	71·3	63·24	231	198
M § Crawford (Camps Res.) Risingclaw	County Water Engineer	NT(36)036199	1610	64·4	57·75	...	...
M § Crawford (Camps Res.) Peat Rig	County Water Engineer	NT(36)013209	1485	62·1	54·75	...	...
M § Crawford (Camps Res.) Whitecamp	County Water Engineer	NT(36)029214	1155	54·6	50·95	...	...
D Crawford (Camps Reservoir) (+ A)	County Water Engineer	NS(26)997226	969	45·8	42·18	229	166
M Crawford (Camps Res.) Kneesend	County Water Engineer	NT(36)013225	1205	52·9	47·52	...	...
M Crawford (Camps Res.) Hillshaw	County Water Engineer	NT(36)042252	1805	57·9	55·22	...	...
M Lamington (Cowgill Reservoir)	D. T. Brown, Esq., C.E.	NT(36)009288	1012	43·8	41·61	...	...
D Bonnington Weir	S. of Scotland Electricity Bd.	NS(26)887407	572	34·5	33·10	219	159
D Stonebyres Weir	S. of Scotland Electricity Bd.	NS(26)855442	306	32·8	33·26	205	147
D CARNWATH	S.F. Macdonald Lockhart, Esq.	NS(26)980462	706	34·5	33·32	216	160

§ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
LANARKSHIRE—(contd.)				ft.	in.	in.		
4.—CLYDE. Right Bank Tributaries—(contd.)								
D	Carluke (Coldstream Reservoir)	J. Bissett Scott, Esq., C.E.	NS(26)875498	800	...	36.39	224	161
M	Carluke	J. Barr, Esq.	NS(26)841506	630	33.9	34.81	...	...
W	Carluke (Springfield Reservoir)	J. Bissett Scott, Esq., C.E.	NS(26)906520	860	...	38.80	...	...
D	Carluke (Gair Reservoir)	J. Bissett Scott, Esq., C.E.	NS(26)857535	665	33.0	35.74	199	148
M	Wishaw (Coronation Street)	A. Hinshelwood, Esq.	NS(26)810552	510	33.8	35.37	...	...
W	Motherwell (Elvan Street)	M. Dunn, Esq.	NS(26)748570	175	35.4	35.22	...	...
D	Shotts Reservoir	County Water Engineer	NS(26)885603	812	41.0	42.67	216	164
D	Glasgow (Tollcross Park)	G. H. Garside, Esq.	NS(26)639638	84	39.0	36.86	209	157
D	Glasgow Green	G. H. Garside, Esq.	NS(26)599645	35	...	37.25	210	164
D	Glasgow (Alexandra Park)	G. H. Garside, Esq.	NS(26)617658	141	39.2	36.75	222	166
D	Glasgow (Botanic Gardens)	G. H. Garside, Esq.	NS(26)568675	131	40.1	37.81	205	168
D	Glasgow (Kelvingrove Park)	G. H. Garside, Esq.	NS(26)572666	48	...	37.51	203	167
D	Glasgow (Victoria Park)	G. H. Garside, Esq.	NS(26)543673	30	38.8	37.86	205	160
D	Glasgow (Ruchill Park)	G. H. Garside, Esq.	NS(26)578684	228	38.3	38.16	220	168
D	GLASGOW (SPRINGBURN PARK)	G. H. Garside, Esq.	NS(26)610685	351	39.9	41.51	224	171
M	Clarkston (Roughrigg Reservoir)	D. T. Brown, Esq., C.E.	NS(26)804639	664	39.1	37.71	...	...
d	Coatbridge (West End Park)	S. Lauder, Esq.	NS(26)717638	240	...	37.96	...	155
D	COATBRIDGE	Sewage Works Manager	NS(26)708646	256	35.3	36.18	206	158
D	Coatbridge (Whifflet Public Park)	S. Lauder, Esq.	NS(26)740637	295	36.3	36.26	208	151
D	Coatbridge (Dunbeth Public Park)	S. Lauder, Esq.	NS(26)743654	325	...	37.76	215	159
D	Airdrie (Broomknoll Street) .. (+ A)	D. T. Brown, Esq., C.E.	NS(26)762651	402	36.7	36.69	200	155
D	Gartcosh (Gartloch Hospital)	Mr. Donald McMillan	NS(26)673670	291	39.9	38.15	203	161
D	Bishopbriggs (Springfield Nursery)	W. A. Henderson, Esq.	NS(26)619700	300	...	38.36	193	155
5.—CLYDE. Left Bank Tributaries. 448 sq. mi.								
M	Daer (Thick Cleuch)	County Water Engineer	NS(26)952021	1485	82.4	(74.25)	...	...
M	§Daer (Upper Carsehope)	County Water Engineer	NS(26)939040	1600	83.7	72.00	...	...
M	§Daer (Lower Carsehope)	County Water Engineer	NS(26)963048	1180	80.9	71.00	...	...
D	§Daer (Kirkhope) new site	County Water Engineer	NS(26)963055	1170	78.9	67.92	234	196
M	§Daer (Kirkhope Cleuch)	County Water Engineer	NS(26)954069	1350	84.0	71.15	...	...
M	§Daer (Hitteril)	County Water Engineer	NS(26)963099	950	68.0	58.50	...	...
M	Elvanfoot (Potrenick Burn)	J. Bissett Scott, Esq., C.E.	NS(26)934101	1004	67.2	53.10	...	...
d	Elvanfoot (Peden Reservoir)	J. Bissett Scott, Esq., C.E.	NS(26)942123	964	67.4	53.86	...	164
D	LEADHILLS (Muirhouse)	D. Grant, Esq.	NS(26)888153	1270	65.3	56.95	225	183
D	Douglas (Monksfoot)	Miss J. Steele	NS(26)787286	780	50.0	47.53	221	186
D	COALBURN	Capt. J. Ross	NS(26)801338	920	...	46.74	203	165
D	Strathaven (GLENGAVEL Reservoir)	County Water Engineer	NS(26)663351	839	55.4	47.38	217	178
D	Strathaven (Dunside Reservoir)	County Water Engineer	NS(26)748372	1002	52.7	46.48	203	158
D	Strathaven (Kype Reservoir)	Water Engineer, Hamilton	NS(26)735387	941	53.5	48.42	213	167
D	Stonehouse (Glasford Filters) new site	County Water Engineer	NS(26)708479	775	...	46.09	206	160
D	Hamilton W.W. (Townhill) .. (+ A)	Water Engineer, Hamilton	NS(26)694546	430	39.2	39.91	201	153
D	§THORNTONHALL .. (+ A)	Building Research Lab.	NS(26)590555	453	46.1	43.36	210	166
W	Carmunnock (Waterworks)	G. Sime, Esq.	NS(26)608574	540	...	40.82	...	...
D	Cambuslang (Greenlees Filters)	County Water Engineer	NS(26)640590	322	...	43.11	208	164
D	Glasgow (Linn Park)	G. H. Garside, Esq.	NS(26)582592	164	42.0	41.45	207	160
D	Glasgow (Rutherglen)	F. C. Thomson, Esq.	NS(26)603608	100	43.2	43.20	236	166
D	Glasgow (Queen's Park)	G. H. Garside, Esq.	NS(26)578619	147	...	36.54	225	155
D	Glasgow (Bellahouston Park)	G. H. Garside, Esq.	NS(26)551638	80	...	39.09	202	169
D	Glasgow (Elder Park)	G. H. Garside, Esq.	NS(26)543658	25	41.6	39.65	207	168

§ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
		National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
LANARKSHIRE—(contd.)			ft.	in.	in.		
6.—IRVINE. 2 sq. mi.							
7.—AYR. 1 sq. mi.							
8.—NITH. 2 sq. mi.							
9.—ANNAN. 7 sq. mi.							
AYRSHIRE. (Area, 1,135 sq. mi.)							
1.—CLYDE. Left Bank Tributaries. 7 sq. mi.							
2.—FIRTH OF CLYDE. 60 sq. mi.							
D \$Ardrossan (Mill Glen Filters)	.. H. R. Seaton, Esq. ..	NS(26)235444	167	43.5	42.87	207	166
D Stevenston (Greenhead Filters)	.. W. G. Guild, Esq. ..	NS(26)273437	186	42.9	43.02	213	167
W \$Ardrossan (Busbie Reservoir)	.. H. R. Seaton, Esq. ..	NS(26)239463	370	47.7	45.05	...	...
D West Kilbride (Crosbie Reservoir)	.. T. W. Leslie, Esq. ..	NS(26)218507	373	...	46.08	209	175
M Fairlie (Waterworks)	.. T. W. Leslie, Esq. ..	NS(26)214555	270	52.1	48.89	...	...
D Largs (Stevenston Institute)	.. Burgh Surveyor ..	NS(26)204597	20	47.5	48.23	217	182
D LARGS (WOODBANK)	.. A. Simpson, Esq. ..	NS(26)199607	25	48.8	45.82	214	176
D Largs (South Routenburn)	.. A. K. Gordon, Esq. ..	NS(26)196615	150	46.1	42.29	225	175
D Largs (Middleton Filters)	.. Burgh Surveyor ..	NS(26)215624	230	52.2	46.06	218	186
D Skelmorlie (Cruachan)	.. J. Woodrow, Esq. ..	NS(26)195682	110	...	53.76	229	187
M Greenock W.W. (Knockencorsan)	.. Water Engineer ..	NS(26)249682	940	68.7	60.50	...	...
M \$Greenock W.W. (Largs Road)	.. Water Engineer ..	NS(26)242686	910	70.8	64.50	...	...
3.—IRVINE & C. 296 sq. mi.							
D PRESTWICK AIRPORT	.. (+ A) Meteorological Office ..	NS(26)358269	30	36.9	32.94	184	148
D Prestwick (Ladykirk Filters)	.. Burgh Surveyor ..	NS(26)388270	185	38.0	36.02	193	148
D Symington	.. J. Glass, Esq. ..	NS(26)384314	300	39.3	38.74	201	153
D Troon (Collenan Reservoir)	.. Burgh Surveyor ..	NS(26)350331	203	38.5	37.04	214	157
D Irvine (Gailes)	.. Archibald Forrest, Esq. ..	NS(26)323355	12	39.0	34.23	188	149
D Newmilns (Lanfine)	.. W. Logan, Esq. ..	NS(26)547364	500	51.0	45.44	198	174
D Templetonburn	.. Late F. C. Howie, Esq. ..	NS(26)458383	140	45.4	39.10	197	153
D Darvel (Kirkland Park)	.. Burgh Surveyor ..	NS(26)563376	347	46.4	42.22	211	163
D KILMARNOCK (Springhill House)	.. Burgh Surveyor ..	NS(26)421377	115	41.6	38.35	182	150
d Irvine (Cunninghame Home)	.. Governor ..	NS(26)311406	24	40.9	37.81	...	154
D Kilmarnock (North Craig Reservoir)	.. Burgh Surveyor ..	NS(26)438412	319	40.5	40.16	204	164
D Montgreenan Gardens	.. Capt. C. B. G. Coltart, R.N. (Retd.) ..	NS(26)344443	180	47.3	45.68	204	169
M Fenwick (Whiteleehill)	.. Burgh Surveyor ..	NS(26)546427	915	55.0	45.69	...	...
M Croilburn	.. Burgh Surveyor ..	NS(26)537440	725	51.7	43.44	...	...
D Fenwick (Amlaird Filters)	.. Burgh Surveyor ..	NS(26)483444	590	50.6	43.01	226	173
M Craigendunton Reservoir	.. Burgh Surveyor ..	NS(26)522455	805	56.3	46.44	...	...

§ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
AYRSHIRE—(contd.)				ft.	in.	in.		
3.—IRVINE & C.—(contd.)								
M	Loch Goin Reservoir	Burgh Surveyor	NS(26)534473	865	59.5	47.97	...	...
D	Blair Gardens	Burgh Surveyor	NS(26)304479	155	51.0	51.99	275	195
M	Raithill	Burgh Surveyor	NS(26)483466	640	55.0	47.45	...	...
M	Moor Farm	Burgh Surveyor	NS(26)509480	810	57.8	48.18	...	...
D	Stewarton Filters	J. A. Wood, Esq.	NS(26)439478	515	51.4	45.74	202	173
D	Dunlop (The Hill)	Dr. A. S. Thom, C.E.	NS(26)412489	480	...	48.08	207	173
D	Dalry (Munnoch Reservoir)	W. G. Guild, Esq.	NS(26)253481	325	52.5	48.30	219	179
D	Dalry (Caaf Reservoir)	W. G. Guild, Esq.	NS(26)253498	515	...	54.89	231	188
D	Dalry (Birkheadsteel)	W. G. Guild, Esq.	NS(26)245503	520	60.0	54.15	231	182
M	Dalry (Thirdpart)	T. W. Leslie, Esq.	NS(26)266508	560	...	51.96	...	...
M	§Dalry (Drum Burn)	W. G. Guild, Esq.	NS(26)237513	744	...	53.90	...	...
M	Dalry (South Knockendon)	W. G. Guild, Esq.	NS(26)245513	704	...	58.65	...	...
M	§Dalry (Knockendon)	W. G. Guild, Esq.	NS(26)240524	750	60.1	57.95	...	...
M	Dalry (South Bradshaw)	W. G. Guild, Esq.	NS(26)246528	946	...	60.05	...	...
M	Dalry (Haining)	J. A. McGregor, Esq., C.E.	NS(26)264545	895	66.0	60.65	...	...
M	Dalry (Camphill Reservoir)	(+ A) J. A. McGregor, Esq., C.E.	NS(26)275549	611	70.6	63.44	...	...
M	Dalry (Catburn)	J. A. McGregor, Esq., C.E.	NS(26)255559	1014	71.3	62.80	...	...
M	§Dalry (Whitehill)	J. A. McGregor, Esq., C.E.	NS(26)264563	628	70.3	64.95	...	...
M	Dalry (Blairpark)	J. A. McGregor, Esq., C.E.	NS(26)246574	722	68.2	64.90	...	...
M	Dalry (Rye Water)	J. A. McGregor, Esq., C.E.	NS(26)253587	1032	72.8	65.00	...	...
D	Beith (Filter Station)	T. W. Leslie, Esq.	NS(26)371538	412	57.2	53.25	224	186
D	Kilbirnie (Holehouse Filters)	T. W. Leslie, Esq.	NS(26)309560	377	70.3	62.14	242	196
4.—AYR. 222 sq. mi.								
D	Ayr (Cemetery)	Thomas O'Beirne, Esq., C.E.	NS(26)348211	40	35.9	36.86	192	149
D	AUCHINCRAIVE	W. Scotland Agric. Coll.	NS(26)389236	147	39.4	35.37	186	146
d	Muirkirk (Kaimshill)	National Coal Board	NS(26)696266	750	48.1	43.87	(217)	(172)
D	Mauchline (Hillhead Tank)	T. W. Leslie, Esq.	NS(26)494283	564	44.6	42.07	208	163
5.—DOON. 119 sq. mi.								
M	Loch Recawr	Thomas O'Beirne, Esq., C.E.	NX(25)441938	933	75.1	66.10	...	...
d	Loch Doon (Garpel Burn)	S. of Scotland Electricity Bd.	NX(25)482985	710	...	50.54	231	187
w	Loch Doon (Starr)	S. of Scotland Electricity Bd.	NX(25)482937	800	64.1	54.96	...	...
D	Dalmellington (Mosssdale Filters)	T. W. Leslie, Esq.	NS(26)495043	752	52.3	52.31	241	184
d	Dunaskin (Ardoon)	National Coal Board	NS(26)441086	686	50.6	44.84	...	171
D	Patna (Kerse Filters)	T. W. Leslie, Esq.	NS(26)425130	741	50.9	46.67	242	171
D	Maybole (Otterden) <i>new site</i>	D. Cross, Esq.	NS(26)308147	350	...	40.74	214	161
M	Dalrymple (Knockjarder W.W.)	Thomas O'Beirne, Esq., C.E.	NS(26)354151	287	43.3	39.07	...	...
D	Ayr (Doonholm)	Col. N. Kennedy, C.B.E., D.S.O., D.L.	NS(26)338175	90	44.6	40.94	199	152
D	Alloway (Doonside)	Col. Sir Thomas Dunlop, T.D., D.L.	NS(26)332177	250	46.3	38.45	182	154
6.—CULZEAN BAY & C. 32 sq. mi.								
D	Maybole (Culzean Castle Gardens)	Mr. W. J. Orr	NS(26)232103	138	43.3	38.78	178	159
7.—GIRVAN. 105 sq. mi.								
D	Girvan (Penwhapple Reservoir)	Burgh Surveyor	NX(25)257969	662	54.2	49.54	241	191
w	Loch Bradan	Burgh Surveyor, Troon	NX(25)437977	990	59.5	55.99	...	...

§ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
AYRSHIRE—(contd.)				ft.	in.	in.		
8.—STINCHAR & C. 155 sq. mi.								
D	Ballantrae	.. .. D. I. W. Gray, Esq., M.B.E.	NX(25)086825	15	43·7	40·69	245	172
D	COLMONELL (Knockdolian)	.. .. Maj.-Gen. D. McConnel	NX(25)122857	170	43·7	40·22	231	179
W	Girvan (Glendrisaigh Res.)	.. .. Burgh Surveyor	NX(25)188950	266	50·4	46·16	...	...
D	BARR (Changue)	.. .. Forestry Commission	NX(25)287943	400	...	54·33	231	188
9.—LOCH RYAN. 12 sq. mi.								
10.—LUCE BAY. 15 sq. mi.								
d	Ballantrae (Lagafater Lodge)	.. Miss Boulton	NX(25)138762	800	63·3	56·68	...	178
11.—CREE. 40 sq. mi.								
12.—DEE. 9 sq. mi.								
13.—NITH. 62 sq. mi.								
M	Afton Reservoir (Afton Water)	.. T. W. Leslie, Esq. ..	NS(26)637024	1525	90·5	80·30	...	...
M	Afton Reservoir (Alwhart Burn) No. 2	.. T. W. Leslie, Esq. ..	NS(26)639035	1435	88·3	79·35	...	...
M	Afton Reservoir (Montraw Burn)	.. T. W. Leslie, Esq. ..	NS(26)649034	1554	...	76·45	...	...
M	Afton Reservoir (Montraw)	.. T. W. Leslie, Esq. ..	NS(26)639035	1372	83·5	73·85	...	...
M	Afton Reservoir (Green Burn)	.. T. W. Leslie, Esq. ..	NS(26)633035	1415	91·3	81·65	...	...
D	Afton Reservoir (No. 2)	.. T. W. Leslie, Esq. ..	NS(26)631049	1277	...	70·12	238	193
D	Glen Afton (Ayrshire Sanatorium)	.. Physician-in-Charge	NS(26)616101	833	57·5	54·03	207	175
D	New Cumnock (Bank Colliery)	.. National Coal Board	NS(26)595114	741	52·8	48·47	205	174
14.—INSULAR. 1 sq. mi.								
RENFREWSHIRE. (Area, 241 sq. mi.)								
1.—CLYDE. Right Bank Tributaries. 3 sq. mi.								
2.—CLYDE. Left Bank Tributaries. 194 sq. mi.								
M	Eaglesham (Dunwan Reservoir) No. 3	Geo. Sime, Esq. ..	NS(26)551487	822	57·5	52·37	...	...
M	Eaglesham (Dunwan Reservoir) No. 4	Geo. Sime, Esq. ..	NS(26)542492	841	57·3	52·57	...	...
W	Eaglesham (Picketlaw Reservoir) No. 1	Geo. Sime, Esq. ..	NS(26)567516	690	57·0	51·08	...	...
M	Long Loch Reservoir (S)	.. County Engineer	NS(26)472518	770	...	52·80	...	...
M	Long Loch Reservoir (N)	.. County Engineer	NS(26)485533	775	...	49·97	...	...
D	Gorbals Dist. W.W. (Waulk Glen)	.. S. D. Canvin, Esq., C.E.	NS(26)522578	280	49·5	45·94	202	169
	Paisley W.W. (Muirhead)	.. J. A. McGregor, Esq., C.E.	NS(26)391571	482	59·0	50·18	...	...
D	Neilston (Filters)	.. County Engineer	NS(26)475564	561	57·4	49·92	213	177
M	Paisley W.W. (Springside)	.. J. A. McGregor, Esq., C.E.	NS(26)404578	532	59·0	53·68	...	...
M	Paisley W.W. (Back Thornlymuir)	.. J. A. McGregor, Esq., C.E.	NS(26)467592	646	...	51·13	...	...
M	Paisley W.W. (Stanely)	.. J. A. McGregor, Esq., C.E.	NS(26)469616	190	50·5	48·45	...	...
D	BARRHEAD (Sewage Works)	.. Burgh Surveyor	NS(26)511601	97	45·5	43·32	204	162

§ Turf wall round gauge.

DIVISION XIV—SOUTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
RENFREWSHIRE—(contd.)				ft.	in.	in.		
2. CLYDE. Left Bank Tributaries—(contd.)								
D	Howwood (Tor Bracken)	.. A. D. McNab, Esq.	NS(26)405604	360	59.1	54.04	212	178
D	Thornliebank (Rouken Glen Park)	.. G. H. Garside, Esq.	NS(26)548586	155	...	41.37	203	157
d	Pollokshaws (Pollok House)	.. Messrs. Nether Pollok, Ltd.	NS(26)549619	50	39.7	38.14	...	147
D	Lochwinnoch (Sewage Works)	.. County Engineer	NS(26)356588	95	64.0	56.06	206	179
D	Lochwinnoch (Kaim Dam)	.. County Engineer	NS(26)347621	616	78.7	68.12	220	192
D	Kilbarchan (Glentyan)	.. D. C. Leggat, Esq.	NS(26)395631	300	61.5	57.60	213	188
M	§Calder Water (White Grain Burn)	.. County Engineer	NS(26)279633	1437	92.2	81.32	...	...
D	Calder Water (Muirshiel Mill)	(+ A) County Engineer	NS(26)310633	782	85.0	74.34	246	195
M	§Calder Water (Queenside Loch)	.. County Engineer	NS(26)294643	1260	...	83.85	...	...
M	Upper Calder	.. County Engineer	NS(26)265647	1337	90.8	81.39	...	...
D	Calder Water (Barytes Mine)	.. County Engineer	NS(26)283650	1008	90.9	83.50	248	201
D	Bridge of Weir (Ranfurly)	.. Rev. E. T. Vernon	NS(26)389652	290	62.3	55.80	215	189
M	Calder Dam	.. County Engineer	NS(26)295653	918	...	83.72	...	...
D	Paisley (Thornly Park School)	.. Headmaster	NS(26)487613	195	51.4	48.23	197	166
D	PAISLEY (Coats Observatory)	.. Obs. Com. (J. Woodrow)	NS(26)478642	106	44.2	40.97	208	159
M	§Greenock W.W. (Duchal Moor)	.. Water Engineer	NS(26)282667	1150	83.5	75.50	...	...
M	Greenock W.W. (Creuch Hill)	.. Water Engineer	NS(26)267688	1350	...	72.30	...	...
M	Greenock W.W. (Green Water)	.. Water Engineer	NS(26)287701	788	73.6	70.50	...	...
D	RENFREW (Glasgow Airport)	(+ A) Meteorological Office	NS(26)508662	26	40.7	35.81	194	152
D	Kilmacolm (Waterworks)	.. James Grier, Esq.	NS(26)317674	600	70.0	54.12	229	194
D	Kilmacolm Village	.. James Grier, Esq.	NS(26)358691	243	60.4	53.32	229	183
D	Greenock W.W. (Gryfe Reservoir)	.. Water Engineer	NS(26)285713	640	69.4	60.64	228	187
D	Greenock W.W. (Mansfield)	.. Water Engineer	NS(26)295714	573	66.5	59.90	227	187
w	Greenock W.W. (Kelly Dam)	.. Water Engineer	NS(26)221684	640	...	59.70	...	...
3.—FIRTH OF CLYDE. 34 sq. mi.								
	Inverkip (Daff Burn Reservoir)	.. Burgh Surveyor	NS(26)228711	506	65.0	56.06	...	...
D	Doughiehill Filters (Pt. Glas. W.W.)	.. I. M. MacLean, Esq., C.E.	NS(26)317739	550	56.2	52.09	203	167
D	Parkhill Filters (Port Glasgow W.W.)	.. I. M. MacLean, Esq., C.E.	NS(26)355736	275	52.0	49.00	192	166
D	§Greenock W.W. (Compensation Res.)	.. Water Engineer	NS(26)248723	600	...	62.14	225	191
D	Greenock W.W. (Loch Thom)	.. Water Engineer	NS(26)256724	643	70.4	64.45	225	190
w	§Greenock W.W. (Shielhill)	.. Water Engineer	NS(26)238727	912	72.3	61.90	...	...
D	Greenock W.W. (New Yett's Dam)	.. Water Engineer	NS(26)264738	800	...	64.15	222	187
w	Greenock W.W. (Spango Burn)	.. Water Engineer	NS(26)240732	757	70.9	63.70	...	...
D	Greenock W.W. (Hole Glen)	.. Water Engineer	NS(26)258746	603	69.6	63.41	221	187
D	GREENOCK (Prospect Hill)	(+ A) Water Engineer	NS(26)268757	199	62.5	55.66	216	174
D	Gourrock (Larkfield Filters)	.. Burgh Surveyor	NS(26)245761	350	60.8	54.23	209	177
4.—IRVINE. 10 sq. mi.								

DIVISION XV—WEST MIDLAND COUNTIES

DUNBARTONSHIRE. (Area, 270 sq. mi.)

1.—FORTH. Right Bank Tributaries. 10 sq. mi.

2.—FIRTH OF CLYDE & COWAL. 52 sq. mi.

D HELENSBURGH (Valve House) ..	Burgh Engineer ..	NS(26)303836	293	57.6	50.05	194	179
Garelochhead (Whistlefield Filters) ..	Malcolm Ross, Esq. ..	NS(26)237925	295	72.4	56.31	...	...

§ Turf wall round gauge.

DIVISION XV—WEST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958		
				National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
DUNBARTONSHIRE—(contd.)					ft.	in.	in.		
3.—CLYDE. Leven. 149 sq. mi.									
D	Loch Lomond Park	..	G. H. Garside, Esq.	NS(26)391831	156	62·7	59·46	237	219
M	Helensburgh (Blairnairn No. 2)	..	Burgh Engineer	NS(26)308888	1250	...	65·79	...	...
M	Helensburgh (Blairnairn No. 3)	..	Burgh Engineer	NS(26)308894	1580	...	66·43	...	...
M	Glen Finlas Reservoir	.. No. 1	Malcolm Ross, Esq.	NS(26)327893	782	...	64·65	...	...
W	Glen Fruin (Auchingaich Res.)	S. ..	Malcolm Ross, Esq.	NS(26)275913	800	...	62·08	...	...
W	Glen Fruin (Auchingaich Res.)	N. ..	Malcolm Ross, Esq.	NS(26)277917	800	...	63·16	...	...
D	Glen Finlas Reservoir	.. No. 2	Malcolm Ross, Esq.	NS(26)330895	810	...	72·48	228	188
M	Loch Sloy (Coiregrogain)	..	N. of S. Hydro-Electric Bd.	NN(27)300093	449	119·1	94·93	...	...
D	Loch Sloy (Sloy Power Station)	(+A)	N. of S. Hydro-Electric Bd.	NN(27)324099	40	106·3	87·83	231	198
D	Loch Sloy (Main Adit)	..	N. of S. Hydro-Electric Bd.	NN(27)293105	700	...	104·07	228	207
M	Ardvorlich	..	N. of S. Hydro-Electric Bd.	NN(27)315116	1123	125·1	104·18	...	...
M	Allt a'Chnoic	..	N. of S. Hydro-Electric Bd.	NN(27)255140	1349	129·6	98·76	...	...
M	Loch Sloy (Cam Allt)	..	N. of S. Hydro-Electric Bd.	NN(27)266143	1600	...	100·20	...	...
4.—CLYDE. Right Bank Tributaries. 59 sq. mi.									
W	Bowling Filters	..	Malcolm Ross, Esq.	NS(26)449740	230	...	44·34	...	...
D	Duntocher (Cochno Filters) <i>new site</i>	..	Clydebank & District W. Trust	NS(26)495737	385	...	44·87	212	171
W	Kilpatrick Hills (Greenside Res.) <i>n. site</i>	..	Clydebank & District W. Trust	NS(26)478754	840	...	49·89	...	...
W	Kilpatrick Hills (Loch Cochno)	..	Clydebank & District W. Trust	NS(26)488763	915	...	50·72	...	...
W	Kilpatrick Hills (Jaw Reservoir)	..	Clydebank & District W. Trust	NS(26)496757	910	...	50·88	...	...
STIRLINGSHIRE. (Area, 463 sq. mi.)									
1.—FORTH. Right Bank Tributaries. 263 sq. mi.									
D	Shieldhill (Gardrum Moss)	..	Department of Agriculture	NS(26)898751	660	...	38·07	191	147
d	Falkirk (Inglewood, Laurieston)	..	Miss H. S. D. Ballantine	NS(26)907797	133	37·1	35·92	...	...
D	FALKIRK (Arnotdale)	.. (+A)	Burgh Engineer	NS(26)880803	105	37·2	38·34	190	141
M	Falkirk (Kerse)	..	Robert Johnston, Esq., C.E.	NS(26)912817	18	...	35·23	...	...
M	Little Denny Reservoir	..	Stirling & Falkirk W. Board	NS(26)799816	325	44·7	41·81	...	...
M	Little Denny Filters	..	Stirling & Falkirk W. Board	NS(26)805820	243	46·7	41·40	...	...
M	Kilsyth (Faughlin Reservoir)	..	Stirling & Falkirk W. Board	NS(26)741831	707	60·4	52·18	...	...
D	Kilsyth (Craigannet)	..	Stirling & Falkirk W. Board	NS(26)717839	740	...	56·98	230	167
M	§Kilsyth (Kirkburn)	..	Stirling & Falkirk W. Board	NS(26)701839	743	...	55·47	...	...
M	§Denny (Buckieburn Reservoir)	..	Stirling & Falkirk W. Board	NS(26)742856	824	...	55·58	...	...
M	§Denny (Buckieburn Filters)	..	Stirling & Falkirk W. Board	NS(26)751851	760	...	56·34	...	...
M	Earlsburn Reservoir	..	Stirling & Falkirk W. Board	NS(26)702893	1202	...	61·68	...	...
D	Stirling (North Third Reservoir) No. 1	..	Burgh Engineer	NS(26)756896	574	...	54·47	223	170
M	Stirling (North Third Reservoir) No. 2	..	Burgh Engineer	NS(26)742891	820	...	55·85	...	...
M	Stirling (North Third Reservoir) No. 3	..	Burgh Engineer	NS(26)733886	989	...	58·66	...	...
D	Stirling (Touch Reservoir)	.. No. 3	J. H. Leishman, Esq.	NS(26)730913	759	52·8	53·68	225	167
D	Stirling (Touch Reservoir)	.. No. 2	J. H. Leishman, Esq.	NS(26)735918	707	...	51·99	226	163
D	Stirling (Touch Reservoir)	.. No. 1	J. H. Leishman, Esq.	NS(26)745917	455	53·1	51·68	222	159
D	Kippen (Gribloch Gardens)	..	John Colville, Esq.	NS(26)634926	530	...	50·77	222	169
D	STIRLING (Sauchie House)	..	Town Council	NS(26)793936	151	38·5	40·80	212	144
M	Meiklewood	..	Mr. W. Donaldson	NS(26)727957	39	...	45·49	...	...
M	Duchray Valley (Ben Lomond)	..	S. D. Canvin, Esq., C.E.	NN(27)401017	1500	...	78·35	...	...
M	Duchray Valley (Glen Dhu) <i>new site</i>	..	S. D. Canvin, Esq., C.E.	NN(27)400034	500	...	73·35	...	...
M	Duchray Valley (Achaidh Burn)	..	S. D. Canvin, Esq., C.E.	NN(27)369043	1200	99·7	85·00	...	...
M	Duchray Valley (Hd. of Main Stream)	..	S. D. Canvin, Esq., C.E.	NN(27)390062	950	92·7	82·90	...	...
D	Stronachlachar (Invergyle)	..	S. D. Canvin, Esq., C.E.	NN(27)402103	376	...	75·59	244	200

§ Turf wall round gauge.

DIVISION XV—WEST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
STIRLINGSHIRE—(contd.)				ft.	in.	in.		
2.—FORTH. Teith. 5 sq. mi.								
3.—FORTH. Left Bank Tributaries. 15 sq. mi.								
D	Bridge of Allan (Park Cottage)	.. Burgh Surveyor ..	NS(26)791972	45	...	43·34	208	155
4.—CLYDE. Leven. 128 sq. mi.								
M	Kilpatrick Hills (Burncrooks Res.)	.. Clydebank & Dist. W. Trust	NS(26)485796	835	...	47·59	...	...
D	Strathblane (Blanehead)	.. S. D. Canvin, Esq., C.E. ..	NS(26)555796	250	...	48·44	195	172
D	Fintry (Police Station)	.. S. Armstrong, Esq. ..	NS(26)616867	300	...	54·09	195	161
D	Balfron (Old Ballikinrain)	.. A. R. Cross, Esq. ..	NS(26)559879	214	...	50·41	209	169
M	§Endrick Weir	.. Stirling & Falkirk W. Board	NS(26)683867	780	...	58·21	...	...
	Loch Arklet (Corriehichon)	.. S. D. Canvin, Esq., C.E. ..	NN(27)374085	870	...	76·00	...	...
	Loch Arklet (Corriearklet)	.. S. D. Canvin, Esq., C.E. ..	NN(27)382099	950	...	79·10	...	...
5.—CLYDE. Right Bank Tributaries. 52 sq. mi.								
d	Strathblane (Mugdock Reservoir)	.. S. D. Canvin, Esq., C.E. ..	NS(26)558755	320	...	43·95	...	178
D	Kilsyth (Sewage Works)	.. J. Milne, Esq. ..	NS(26)716779	135	...	48·93	228	178
D	Kilsyth (Colzium Lennox House)	.. J. Milne, Esq. ..	NS(26)727786	306	...	47·99	217	174
D	Lennoxton	.. J. O. Stewart, Esq. ..	NS(26)629788	320	...	47·26	189	165
BUTESHIRE. (Area, 218 sq. mi.)								
1.—ISLE OF BUTE. 50 sq. mi.								
D	Rothesay (Dhu Loch Waterworks)	.. A. Stephen, Esq. ..	NS(26)071624	273	51·9	47·42	222	189
2.—CUMBRAES. 4 sq. mi.								
D	MILLPORT (Marine Biological Station)	Director ..	NS(26)174544	16	45·1	42·76	213	169
w	Millport (Water Works)	.. Burgh Surveyor ..	NS(26)159558	167	44·0	42·28	...	...
3.—ARRAN. 164 sq. mi.								
D	Dougarie Lodge	.. Lady Mary Boscawen ..	NR(16)883372	50	48·4	49·34	229	186
ARGYLLSHIRE. (Area, 3,181 sq. mi.)								
1. TAY. Tummel. 36 sq. mi.								
2.—SOUND OF ARISAIG, SOUND OF MULL & C. 317 sq. mi.								
D	Morvern (Drimnin)	.. Miss A. Horsman ..	NM(17)553550	225	61·0	54·75	220	207
D	Loch Shiel (Polloch House)	.. Forestry Commission ..	NM(17)793688	17	...	71·27	257	200
3.—LOCH LINNHE. Right Bank Tributaries. 139 sq. mi.								
D	Morvern (Kingairloch)	.. C. H. Strutt, Esq. ..	NM(17)836531	40	105·1	89·99	222	193
M	Corran Lighthouse	.. Com'rs of N. Lighthouses ..	NN(27)016635	13	85·3	65·74	234	190

§ Turf wall round gauge.

DIVISION XV—WEST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
ARGYLLSHIRE—(contd.)				ft.	in.	in.		
3.—LOCH LINNHE. Right Bank Tributaries—(contd.)								
D	Ardgour House	.. .. Miss Maclean of Ardgour ..	NM(17)994639	60	...	75.91	238	199
D	Conaglen	.. .. M. H. Mason, Esq. ..	NN(27)025691	50	...	73.26	238	196
4.—LOCH LINNHE. Left Bank Tributaries. 165 sq. mi.								
D	Barcaldine	.. .. Forestry Commission ..	NM(17)958415	50	69.1	56.03	228	173
D	Loch Creran (Rhugarbh)	.. .. Miss Chisholm of Chisholm	NM(17)933407	20	66.2	51.59	245	176
d	Duror (Achadh Nan Sgiath)	.. .. Major G. H. Malcolm ..	NM(17)980557	40	...	57.06	...	...
M	Glenduror Forest	.. .. Forestry Commission ..	NN(27)048544	970	115.0	89.00	...	...
D	Glenleven (Blackwater Dam, S.)	.. .. British Aluminium Co. Ltd.	NN(27)245601	1100	95.4	81.65	285	218
d	Glenleven (Kinlochleven)	.. .. British Aluminium Co. Ltd.	NN(27)193617	140	94.1	75.23	...	...
5.—LOCH ETIVE. 197 sq. mi.								
D	Connel (Alltnacree)	.. .. Miss C. R. Falwasser ..	NM(17)933360	10	...	50.71	226	180
D	Glen Etive (Dalness)	.. .. Capt. F. Bell ..	NN(27)169512	240	121.3	91.40	212	194
6.—LOCH ETIVE. Loch Awe. 319 sq. mi.								
M	Loch Avich (Creag Loisgte)	.. .. N. of S. Hydro-Electric Bd.	NM(17)934163	945	...	66.97	...	...
D	Loch Awe (Inverinan)	.. .. Forestry Commission ..	NM(17)998176	150	...	67.09	216	182
M	Coire Cruachan	.. .. N. of S. Hydro-Electric Bd.	NN(27)080277	1020	...	77.71	...	...
D	Dalmally (Craig)	.. .. Capt. R. A. Oldham ..	NN(27)178276	200	...	64.02	211	187
D	Pass of Brander (Signal Box)	.. .. N. of S. Hydro-Electric Bd.	NN(27)050284	200	...	70.21	228	196
d	Glenloch Crossing	.. .. N. of S. Hydro-Electric Bd.	NN(27)254295	660	...	86.85	...	...
D	Glenorchy (Airidh Castuluaich)	.. .. N. of S. Hydro-Electric Bd.	NN(27)255342	365	...	74.35	203	199
D	Bridge of Orchy	.. .. N. of S. Hydro-Electric Bd.	NN(27)301397	610	...	78.93	195	191
	Allt Coire a'Ghabhalach	.. .. N. of S. Hydro-Electric Bd.	NN(27)341397	1940	...	97.49	...	...
w	Clashgour	.. .. N. of S. Hydro-Electric Bd.	NN(27)235426	700	...	91.10	...	...
7.—FIRTH OF LORNE. 112 sq. mi.								
D	Kilmelfort (Kilchoan)	.. .. H. R. Keate, Esq. ..	NM(17)795134	30	64.3	53.51	264	180
D	Kilmelfort (Tralaig, Blaran)	.. .. N. of S. Hydro-Electric Bd.	NM(17)859172	402	...	63.43	229	198
D	OBAN	.. .. Burgh Surveyor ..	NM(17)852294	229	56.6	50.35	218	174
D	Loch Caolisport (Ormsary)	.. .. Sir William Lithgow ..	NR(16)740718	50	57.1	51.08	255	183
8.—SOUND OF JURA. 163 sq. mi.								
d	Glean Airidh (Tunns Farm)	.. .. N. of S. Hydro-Electric Bd.	NR(16)921954	390	...	61.00	...	...
9.—KINTYRE, WEST. 146 sq. mi.								
M	Mull of Kintyre	.. .. Com'rs of N. Lighthouses ..	NR(16)587084	270	40.4	44.29	...	...
D	Largie Castle	.. .. Mrs. Moreton Macdonald ..	NR(16)699461	80	49.9	51.58	225	187
10.—KINTYRE, EAST. 177 sq. mi.								
D	Campbeltown	.. .. D. M. Kellock, Esq., C.E. ..	NR(16)719203	20	52.9	49.00	201	174
w	Glen Lussa (Corylach)	.. .. N. of S. Hydro-Electric Bd.	NR(16)706301	450	...	52.33	...	...
M	Glen Lussa (Bordadubh)	.. .. N. of S. Hydro-Electric Bd.	NR(16)736316	575	...	57.95	...	...
D	Carradale (The Manse)	.. .. Rev. A. M. Bennett ..	NR(16)798382	30	...	57.80	233	188
D	Skipness House	.. .. W. McLaren, Esq. ..	NR(16)907576	80	...	54.26	224	187

DIVISION XV—WEST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
ARGYLLSHIRE—(contd.)				ft.	in.	in.		
11.—LOCH FYNE. 246 sq. mi.								
D	Ardlamont (Camp Cottage) ..	J. W. Turnbull, Esq. ..	NR(16)991654	110	45.4	46.15	219	170
D	Ardrishaig (Stronachullin) ..	Jas. E. Scott, Esq. ..	NR(16)850799	50	78.2	69.26	211	204
D	Ardrishaig (Canal Office) ..	Engineer & Manager ..	NR(16)852853	48	69.0	61.52	243	198
D	LOCH FYNE (LEPHINMORE) ..	(+ A) Hill Farming Research Org.	NR(16)985926	30	70.5	60.04	231	187
D	Loch Fyne (Barnacarry) ..	Miss M. Manton ..	NS(26)001943	44	70.4	59.18	227	184
D	Strachur Park ..	Sir Fitzroy Maclean ..	NN(27)093017	25	...	63.32	245	185
D	Inveraray Castle Gardens ..	J. McRobbie, Esq. ..	NN(27)089099	40	88.1	67.37	234	192
d	Ardkinglas ..	J. R. Taylor, Esq. ..	NN(27)175104	27	85.9	65.63	236	187
w	Loch Sloy (Allt Uaine) ..	(+ A) N. of S. Hydro-Electric Bd.	NN(27)263113	1123	133.4	104.63	...	...
D	Clachan Power Station ..	N. of S. Hydro-Electric Bd.	NN(27)195133	25	...	66.86	220	193
D	Ellerigbeg ..	N. of S. Hydro-Electric Bd.	NN(27)135145	29	87.6	70.58	225	207
M	§Brannie Burn ..	N. of S. Hydro-Electric Bd.	NN(27)165150	1370	104.5	80.87	...	...
d	§Glenfyne Lodge ..	N. of S. Hydro-Electric Bd.	NN(27)220155	126	100.5	75.50	...	182
w	§Allt Na Lairige ..	N. of S. Hydro-Electric Bd.	NN(27)252171	1075	127.9	97.09	...	...
D	§Shira Main Dam ..	N. of S. Hydro-Electric Bd.	NN(27)161203	1123	99.5	77.25	235	211
M	Upper Glen Fyne ..	N. of S. Hydro-Electric Bd.	NN(27)236213	1151	120.5	96.64	...	...
12.—FIRTH OF CLYDE AND COWAL. 242 sq. mi.								
D	Toward (Knockdow Gardens) ..	Late Miss Augusta Lamont	NS(26)104706	101	61.9	53.48	239	184
D	DUNOON (Waterworks) ..	Burgh Surveyor ..	NS(26)161767	228	85.6	72.94	230	195
D	Ardnadam (Ashville) ..	Charles F. Priestley, Esq. ..	NS(26)167803	26	79.8	66.77	223	190
M	Glendaruel (Ormidale) ..	D. M. Chance, Esq. ..	NS(26)002817	50	80.8	68.03	...	...
d	Glen Tarsan ..	N. of S. Hydro-Electric Bd.	NS(26)070833	400	87.5	73.97	...	...
D	Loch Striven Power Station ..	N. of S. Hydro-Electric Bd.	NS(26)056839	13	84.3	69.84	256	197
D	||DUNOON (BENMORE Forest School)	Forestry Commission ..	NS(26)138853	46	93.0	72.90	221	191
D	Loch Eck (Benmore Gardens) ..	R. Botanic Gdn., Edinburgh	NS(26)138854	40	94.3	75.72	234	198
d	Garvie Farm ..	N. of S. Hydro-Electric Bd.	NS(26)037904	140	87.0	68.41	...	...
D	Strachur (GLENBRANTER) ..	Forestry Commission ..	NS(26)112973	120	94.3	75.22	207	188
D	Lochgoilhead (Ardgoil) ..	G. H. Garside, Esq. ..	NN(27)201014	20	90.4	73.19	236	210
M	Allt a Bhalachain (Sour Milk) ..	N. of S. Hydro-Electric Bd.	NN(27)279051	1150	133.4	103.09	...	...
13.—CLYDE. Leven. 4 sq. mi.								
M	Loch Sloy (Beinn Ime South) ..	N. of S. Hydro-Electric Bd.	NN(27)270080	1250	...	120.25	...	...
M	Loch Sloy (Beinn Ime North) ..	N. of S. Hydro-Electric Bd.	NN(27)266093	1533	138.9	120.34	...	...
14.—INSULAR. 854 sq. mi.								
	Sanda Lighthouse ..	Com'rs of N. Lighthouses ..	NR(16)726037	134	38.5	44.46	170	157
D	Gigha ..	Lt.-Col. J. N. Horlick, M.C.	NR(16)642479	65	41.3	44.73	200	167
	Islay (Lochindaul) ..	Com'rs of N. Lighthouses ..	NR(16)257588	45	54.4	46.91	251	201
	Islay (McArthur's Head) ..	Com'rs of N. Lighthouses	NR(16)463597	173	...	46.59	211	184
D	Islay (Eallabus) ..	J. H. Cranston, Esq. ..	NR(16)335634	68	53.1	46.79	234	189
d	Islay (Rhuvaal) ..	Com'rs of N. Lighthouses ..	NR(16)425791	47	...	49.96	...	...
D	Jura (Tarbert) ..	Lord Astor ..	NR(16)612823	30	58.3	54.34	219	184
D	Jura (Ardlussa) ..	R. G. Fletcher, Esq. ..	NR(16)651879	100	56.0	48.18	201	174
D	COLONSAY ..	Lord Strathcona ..	NR(16)393966	87	53.1	45.48	285	200
d	Seil (An Cala) ..	Capt. H. Blakeney ..	NM(17)748173	30	64.9	49.67	...	...
	Lismore (Mousedale) ..	Com'rs of N. Lighthouses	NM(17)777353	38	45.1	47.38	210	179
D	Iona (Cnocmor) ..	D. M. Russell, Esq. ..	NM(17)782240	60	48.4	42.92	230	184
d	Mull (Achnacraig) ..	G. W. Duncan, Esq. ..	NM(17)728334	50	81.3	64.47	...	177

|| Gauge over-sheltered.

§ Turf wall round gauge.

DIVISION XV—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
		National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
ARGYLLSHIRE—(contd.)			ft.	in.	in.		
14.—INSULAR—(contd.)							
D Mull (Ulva)	Edith, Lady Congleton ..	NM(17)442389	50	63·3	56·81	234	197
D Mull (Gruline)	Mr. N. Livingstone	NM(17)552393	55	79·8	64·67	240	201
Mull, Sound of	Com'rs of N. Lighthouses	NM(17)507570		64·1	52·66	200	183
D TIRRE Airport	(+ A) Meteorological Office ..	NL(07)999446	29	44·0	38·50	232	170

DIVISION XVI—EAST MIDLAND COUNTIES

CLACKMANNANSHIRE. (Area, 55 sq. mi.)							
1.—FORTH. LOWER. Left Bank Tributaries. 55 sq. mi.							
Alloa W.W. (Gartmorn Res.) ..	Burgh Surveyor	NS(26)915937	172	...	37·39	...	...
w Menstrie (Lipney Filters) ..	J. D. A. Ross, Esq. ...	NS(26)847973	328	...	36·71	...	...
KINROSS-SHIRE. (Area, 87 sq. mi.)							
1.—FORTH. LOWER. Left Bank Tributaries. 15 sq. mi.							
2.—LEVEN & C. 67 sq. mi.							
M Glendevon (Burnsfoot Burn) ..	County Engineer, Fife ..	NN(27)908037	1250	...	62·09	...	...
D Loch Leven Sluice	Mrs. Harley	NT(36)171994	360	37·1	40·09	262	138
Kinross (Muirpark Road)	F. Mackay, Esq.	NO(37)119027	400	...	41·22	198	140
D Milnathort (Greenburn)	A. Ross, Esq.	NO(37)124047	476	...	37·39	191	140
d Milnathort (Ledlanet)	Sir James Calder, K.B.E. ..	NO(37)078058	650	...	45·41	...	158
d Milnathort (Ochil Hills Hospital)	Medical Superintendent ..	NO(37)097076	800	47·5	46·82	...	135
3.—EDEN. 2 sq. mi.							
4.—TAY. Earn. 3 sq. mi.							
FIFESHIRE. (Area, 505 sq. mi.)							
1.—FORTH. LOWER. Left Bank Tributaries. 66 sq. mi.							
D Kincardine (Tulliallan)	Scottish Home Dept. ..	NS(26)936881	90	...	30·96	168	135
M Carnock (Craigluscar Reservoir)	A. Sinclair, Esq., C.E. ..	NT(36)067906	480	...	39·93	...	...
2.—LEVEN & C. 208 sq. mi.							
d Burntisland (Cullaloe Reservoir)	Burgh Surveyor	NT(36)187875	294	...	32·71	...	139
D KIRKCALDY (Beveridge Park) ..	Town Clerk	NT(36)272907	106	...	33·56	189	135
D Cowdenbeath (Sewage Works) ..	H. Gardiner, Esq.	NT(36)170917	390	...	41·60	199	145
M Cleish Hills (Craigaveral)	H. Gardiner, Esq.	NT(36)087940	760	...	43·79	...	...
M Cleish Hills (Roscobie Reservoir)	H. Gardiner, Esq.	NT(36)090934	660	...	43·49	...	...
D Kirkcaldy (Carberry)	R. Ritchie, Esq.	NT(36)284948	326	...	34·46	177	136

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
FIFESHIRE—(contd.)				ft.	in.	in.		
2.—LEVEN & C.—(contd.)								
D	Glenrothes (Woodside)	(+ A) Glenrothes Develop. Corpn.	NO(37)289002	273	...	(35.63)	176	129
D	Leslie (Lothrie Reservoir)	R. Ritchie, Esq.	NO(37)223040	700	37.3	39.84	188	137
D	Leven (Silverburn)	D. M. Russell, Esq.	NO(37)394020	70	...	32.90	183	130
D	Markinch (Roths)	D. M. Russell, Esq.	NO(37)283015	198	...	36.60	202	135
D	Markinch (Carriston Res.) <i>new site</i>	County Engineer	NO(37)327035	293	...	38.54	182	135
D	Markinch (Coul Reservoir)	County Engineer	NO(37)270037	438	...	37.07	205	136
D	Carnbee (Ovenstone Waterworks)	John R. Stewart, Esq.	NO(37)531054	168	...	33.57	180	134
D	Arncroach (Belliston)	J. M. Roger, Esq.	NO(37)500056	270	...	34.40	197	134
3.—EDEN & C. 205 sq. mi.								
D	Cupar (Clatto Reservoir)	R. W. Morrison, Esq.	NO(37)366078	505	...	39.72	188	135
D	Cameron (Waterworks)	Burgh Engr., St. Andrews	NO(37)476115	478	32.4	33.71	196	139
D	Cupar (Pitlair)	Miss Walker	NO(37)319121	126	...	33.52	184	134
d	Cupar (Rankeillour)	Mr. R. Meldrum	NO(37)326118	240	...	32.33	...	...
D	Cupar (Over Rankeillour)	Major Sir Robert Spencer-Nairn, Bt.	NO(37)327135	170	...	33.27	162	125
D	CUPAR (Beet Sugar Factory)	British Sugar Corpn. Ltd.	NO(37)388152	82	...	33.01	162	126
D	St. Andrews (Waterworks)	Burgh Engineer	NO(37)505148	217	28.5	34.37	201	123
D	ST. ANDREWS	Burgh Engineer	NO(37)502171	13	28.1	32.13	183	132
D	LEUCHARS Airfield	(+ A) Meteorological Office	NO(37)458207	36	26.7	29.66	174	120
4.—FIRTH OF TAY. 25 sq. mi.								
D	Balmerino Manse	Mr. R. L. Constable	NO(37)367245	200	...	32.75	186	126
D	Newport (Tayfield)	Dr. J. Berry	NO(37)422274	110	30.5	32.63	...	138
D	Tayport Lighthouse	Dundee Harbour Trust	NO(37)447293	27	29.1	32.61	191	137
5.—TAY. Earn. 1 sq. mi.								
6.—INSULAR.								
	Isle of May	Com'rs of N. Lighthouses	NT(36)654994	180	...	24.94	145	113
PERTHSHIRE. (Area, 2,535 sq. mi.)								
1.—FORTH. Right Bank Tributaries. 17 sq. mi.								
D	Loch Dhu	S. D. Canvin, Esq., C.E.	NN(27)429037	325	81.1	70.68	211	181
2.—FORTH. UPPER. Left Bank Tributaries. 84 sq. mi.								
3.—FORTH. Teith. 221 sq. mi.								
M	Ochertyre (Stirling)	Lt.-Col. J. C. Dundas, D.S.O.	NS(26)751979	14	...	41.40	...	...
	Loch Drunkie	S. D. Canvin, Esq., C.E.	NN(27)546041	420	65.9	57.80	...	...
D	Callander (Duilatur)	Sir James R. Wilson	NN(27)601063	282	...	59.84	238	174
	Ben Venue (Glasaholile)	S. D. Canvin, Esq., C.E.	NN(27)462071	1150	82.2	69.60	...	...
D	Loch Vennachar	S. D. Canvin, Esq., C.E.	NN(27)598064	275	59.1	54.69	198	174
D	Brig o' Turk	S. D. Canvin, Esq., C.E.	NN(27)536064	275	64.8	56.79	227	190
	Loch Katrine (Tunnel Hill Top)	S. D. Canvin, Esq., C.E.	NN(27)417088	830	83.3	73.10	...	...

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
PERTHSHIRE—(contd.)				ft.	in.	in.		
3. FORTH. Teith—(contd.)								
D	CALLANDER (McLaren High School)	Town Council	NN(27)627077	250	...	(55·54)	214	172
	Achnahard	S. D. Canvin, Esq., C.E. ..	NN(27)527092	474	68·9	62·75	...	...
w	Strone Bridge	S. D. Canvin, Esq., C.E. ..	NN(27)454105	380	74·8	61·80	...	...
	Glen Meann	S. D. Canvin, Esq., C.E. ..	NN(27)522125	800	79·7	69·40	...	...
	Glen Finglas	S. D. Canvin, Esq., C.E. ..	NN(27)487124	1200	80·7	72·95	...	...
D	Glengyle, <i>new site</i>	S. D. Canvin, Esq., C.E. ..	NN(27)388133	380	...	79·17	236	195
	Upper Glengyle	S. D. Canvin, Esq., C.E. ..	NN(27)361148	750	96·9	84·30	...	...
	Allt a' Choin	S. D. Canvin, Esq., C.E. ..	NN(27)414145	1250	92·5	(79·35)	...	...
d	STRATHYRE	Forestry Commission ..	NN(27)560168	425	80·8	76·09	...	155
w	Balquhidder (Blaircreach) ..	Miss E. Fergusson	NN(27)441178	460	98·5	70·52	...	...
4.—FORTH. LOWER. Left Bank Tributaries. 107 sq. mi.								
D	Dunblane (Old Doune Road) ..	Burgh Surveyor	NN(27)776011	206	...	41·39	198	149
D	Dunblane (Ledcameroch) ..	J. F. Carnegie, Esq. ..	NN(27)788019	320	...	44·42	216	161
D	Glendevon (Glenquey Reservoir) ..	County Engineer, Fifeshire	NN(27)979029	942	...	57·17	201	166
D	§Glendevon (Frandy)	County Engineer, Fifeshire	NN(27)942043	911	...	60·28	192	167
M	Glendevon (Glensherup Reservoir) ..	A. Sinclair, Esq., C.E. ..	NN(27)959037	953	...	58·50	...	...
M	Blackford	Water Engineer, Perthshire	NN(27)898081	500	...	49·60	...	...
5.—LEVEN. 1 sq. mi.								
6.—EDEN. 4 sq. mi.								
7.—TAY. Earn. 376 sq. mi.								
D	§Upper Farg (Main Bank) ..	County Engineer, Fifeshire	NO(37)109109	632	...	43·15	207	142
	Glenfarg (Waterworks) ..	Water Engineer, Perthshire	NO(37)127127	675	...	41·84	...	...
	Bridge of Earn (Ramsheugh) ..	Water Engineer, Perthshire	NO(37)131141	310	...	41·16	...	...
D	Bridge of Earn (Ballendrick) ..	G. M. Taylor, Esq. ..	NO(37)119175	50	33·4	37·91	199	139
D	Lochearnhead (Edinchip) ..	The Hon. Lady MacGregor	NN(27)577223	513	68·7	67·16	245	192
D	Comrie (Dunira Gdns.) ..	Lt.-Col. A. J. C. Rose ..	NN(27)731238	200	...	53·45	207	170
D	§Comrie (Invergeldie Lodge) ..	N. of S. Hydro-Electric Bd.	NN(27)742278	795	57·5	48·68	138	137
D	Crieff (Strathearn Hydro) ..	Manager	NN(27)867223	400	41·0	40·39	204	154
	Loch Turret (Lower Barvick) ..	Water Engineer, Perthshire	NN(27)843263	1100	...	(49·50)	...	...
	§Loch Turret (Lower Glenturret)	Water Engineer, Perthshire	NN(27)821266	1100	...	51·90	...	...
	Loch Turret (Lower Shaggie) ..	Water Engineer, Perthshire	NN(27)875282	1450	...	(57·65)	...	...
	§Loch Turret (Stonefield Hill) ..	Water Engineer, Perthshire	NN(27)839286	2125	...	(63·05)	...	...
	§Loch Turret (Mealnevernon) ..	Water Engineer, Perthshire	NN(27)852287	2125	...	62·05	...	...
	§Loch Turret (Upper Kelty) ..	Water Engineer, Perthshire	NN(27)844289	1850	...	(63·60)	...	...
	§Loch Turret (Alt Nan Colunan) ..	Water Engineer, Perthshire	NN(27)780289	2350	...	(62·45)	...	...
	§Loch Turret (Upper Shaggie) ..	Water Engineer, Perthshire	NN(27)861292	2000	...	(63·50)	...	...
	§Loch Turret (Glenturret Lodge) ..	Water Engineer, Perthshire	NN(27)802293	1250	...	(57·68)	...	...
	§Loch Turret (Upper Glenturret) ..	Water Engineer, Perthshire	NN(27)795299	1400	...	(60·85)	...	...
	Loch Turret (Lower Ben Chonzie) ..	Water Engineer, Perthshire	NN(27)781304	2050	...	(68·15)	...	...
	§Loch Turret (Ben Chonzie) ..	Water Engineer, Perthshire	NN(27)769304	2800	...	(69·55)	...	...
	§Loch Turret (Lochan Uaine) ..	Water Engineer, Perthshire	NN(27)786307	1550	69·3	(69·05)	...	...
	§Loch Turret (Upper Barvick) ..	Water Engineer, Perthshire	NN(27)831282	1625	...	(59·20)	...	...

§ Turf wall round gauge.

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
PERTSHIRE—(contd.)				ft.	in.	in.		
8.—TAY. Almond & c. 149 sq. mi.								
d	Perth (Craigie Haugh)	(+ A) J. Penman, Esq., C.E. ..	NO(37)113224	14	...	32.83	...	126
D	PERTH (Wellshill Cemetery)	Town Council	NO(37)101239	77	30.7	35.21	177	133
M	Methven (Waterworks)	Water Engineer, Perthshire	NN(27)988267	450	...	36.00	...	...
M	§Loch Turret (Fendoch)	Water Engineer, Perthshire	NN(27)885297	1480	...	(58.85)	...	...
9.—TAY. Strathtay below Dunkeld. 33 sq. mi.								
10.—TAY. 81 sq. mi.								
D	Strath Bran (Glenquaich Lodge) ..	W. A. Cox, Esq.	NN(27)874373	900	...	55.44	219	166
11.—TAY. Strathtay above Dunkeld. 95 sq. mi.								
D	Aberfeldy (Tigh'n Eilean)	Dr. N. D. Mackay	NN(27)852492	320	38.8	39.24	207	143
d	Strathtay (Derculich)	R. W. Honeyman, Esq. ..	NN(27)891526	350	...	34.26	...	...
12.—TAY. Loch Tay. 241 sq. mi.								
D	§Glenoglehead	N. of S. Hydro-Electric Bd.	NN(27)558281	942	73.2	63.27	215	192
D	Tyndrum (Tighness)	N. of S. Hydro-Electric Bd.	NN(27)328307	790	97.7	78.62	236	199
	§Auchlyne West (<i>new site</i>)	N. of S. Hydro-Electric Bd.	NN(27)485306	1400	...	74.84	...	...
	Auchlyne West	N. of S. Hydro-Electric Bd.	NN(27)484308	1480	94.6	74.04	...	...
D	Killin (Kinnell Gardens)	Head Gardener	NN(27)577329	380	62.2	51.95	217	164
M	Ben Challum	N. of S. Hydro-Electric Bd.	NN(27)396334	1500	116.7	95.24	...	...
M	§Badvaim	N. of S. Hydro-Electric Bd.	NN(27)412338	900	109.1	85.77	...	...
M	Innisdaimh	N. of S. Hydro-Electric Bd.	NN(27)468346	1730	...	85.58	...	...
d	Lochay Power Station	N. of S. Hydro-Electric Bd.	NN(27)546349	410	62.3	53.89	...	...
M	Murlaganmore	N. of S. Hydro-Electric Bd.	NN(27)538342	750	73.7	61.66	...	...
M	Meall Liath	N. of S. Hydro-Electric Bd.	NN(27)583356	1770	...	54.53	...	...
M	Kenknock	N. of S. Hydro-Electric Bd.	NN(27)467364	710	...	65.62	...	...
d	Lawers Dam	(+ A) N. of S. Hydro-Electric Bd.	NN(27)597391	1825	75.3	66.55	...	...
D	Ardtalnaig (Old Schoolhouse) ..	N. of S. Hydro-Electric Bd.	NN(27)701391	465	...	48.59	203	153
D	LOCH TAY (ARDTALNAIG)	M. K. Brown, Esq. ..	NN(27)702394	450	...	47.38	203	156
d	Kenmore (Dalerb)	Forestry Commission ..	NN(27)763454	390	42.8	40.17	...	143
13.—TAY. Lyon. 142 sq. mi.								
D	Glen Lyon (Meggernie Castle) ..	Sir E. S. Wills, Bt. ..	NN(27)553462	690	...	57.30	240	172
M	Allt Tarabhan	N. of S. Hydro-Electric Bd.	NN(27)371396	1200	...	80.42	...	...
	Dalchiorlich West	N. of S. Hydro-Electric Bd.	NN(27)473414	1050	72.6	57.90	...	...
	Invermearan	N. of S. Hydro-Electric Bd.	NN(27)402419	1200	...	(76.45)	...	...
D	Stronuich Dam	N. of S. Hydro-Electric Bd.	NN(27)508422	941	69.1	61.67	212	172
D	Lubroch Dam	N. of S. Hydro-Electric Bd.	NN(27)457417	1050	...	70.24	232	190
M	Allt Cailliche	N. of S. Hydro-Electric Bd.	NN(27)388433	1300	99.9	(75.80)	...	...
M	Phubuill	N. of S. Hydro-Electric Bd.	NN(27)456435	1770	...	68.82	...	...
M	Chobhair	N. of S. Hydro-Electric Bd.	NN(27)626425	1950	...	70.88	...	...
M	Finglen No. 2	N. of S. Hydro-Electric Bd.	NN(27)627445	1430	...	68.99	...	...
M	Finglen No. 2 (<i>new site</i>)	N. of S. Hydro-Electric Bd.	NN(27)625438	1550	...	70.10	...	...
M	Loch Daimh	N. of S. Hydro-Electric Bd.	NN(27)463452	1450	...	75.17	...	...
D	§Giorra Dam	N. of S. Hydro-Electric Bd.	NN(27)510465	1375	71.3	62.42	213	171
w	Fortingall (Glenlyon House) ..	Mr. R. MacLeod	NN(27)734472	425	...	45.52	226	159

§ Turf wall round gauge.

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
PERTHSHIRE—(contd.)				ft.	in.	in.		
14.—TAY. Tummel. 587 sq. mi.								
D	Gaur (Power Station)	N. of S. Hydro-Electric Bd.	NN(27)464571	794	54·7	47·78	229	183
D	Loch Rannoch (Power House) ..	N. of S. Hydro-Electric Bd.	NN(27)531582	675	...	39·82	205	152
d	Foss (Domnaheich)	N. of S. Hydro-Electric Bd.	NN(27)792579	640	...	38·64	...	129
D	Loch Tummel (Tummel P.H.) ..	N. of S. Hydro-Electric Bd.	NN(27)762591	500	...	39·29	212	152
D	§PITLOCHRY	Town Clerk	NN(27)945588	473	...	33·41	191	152
D	PITLOCHRY (FASKALLY)	Scottish Home Dept. ..	NN(27)918599	310	...	34·09	215	152
w	Loch Tummel (Over Bohespice) ..	N. of S. Hydro-Electric Bd.	NN(27)743607	895	...	39·03	...	...
D	Pitlochry (Bonskeid)	Secretary, Y.M.C.A. ..	NN(27)894611	540	...	36·53	211	161
M	Pitlochry (Allt Girmaig)	Burgh Surveyor	NN(27)924627	850	...	34·70	...	...
D	Fincastle House	R. S. Barbour, Esq. ..	NN(27)868623	980	36·7	35·31	175	148
d	Ericht Dam	N. of S. Hydro-Electric Bd.	NN(27)511629	1196	...	47·12	...	...
w	§Dalnacardoch	N. of S. Hydro-Electric Bd.	NN(27)730672	1500	...	42·35	...	...
D	Blair Atholl (Blair Castle Gardens) ..	Mr. A. B. Duguid	NN(27)864658	450	...	34·75	216	144
w	Dalnaspidal (Luidhearnaidh) ..	N. of S. Hydro-Electric Bd.	NN(27)622730	1710	...	56·85	...	...
M	Edendon (Stronphadruig Lodge) ..	N. of S. Hydro-Electric Bd.	NN(27)714791	1630	...	55·64	...	...
15.—TAY. Isla. 282 sq. mi.								
D	BLAIRGOWRIE (Dunellen)	D. A. Robertson, Jr. ..	NO(37)176434	200	...	31·88	164	135
D	Blairgowrie (Burnhead)	M. McLaren, Esq. ..	NO(37)174458	440	...	32·32	182	129
D	Dunkeld (Cardney)	A. R. Macgregor, Esq. ..	NO(37)051452	350	...	37·68	188	146
d	Dunkeld (Riechip Lodge)	A. McLean, Esq. ..	NO(37)064478	930	...	35·90	175	139
M	Loch Benachally	Blairgowrie Dist. Water Bd.	NO(37)078497	1012	...	40·60	...	...
d	Kirkmichael (Woodhill)	Kenneth M. Thorne, Esq.	NO(37)098544	600	...	37·80	166	150
D	GLENSHEE LODGE	Lt.-Col. C. A. Peel ..	NO(37)133684	1100	...	44·12	237	165
16.—TAY. Left Bank Tributaries. 51 sq. mi.								
	Balbeggie (Montague Reservoir) ..	Water Engineer, Perthshire	NO(37)191281	530	...	33·30	...	...
17.—FIRTH OF TAY. 45 sq. mi.								
M	Errol (Fingask)	Water Engineer, Perthshire	NO(37)223294	550	...	34·60	...	...
18.—SPEY. Right Bank Tributaries. 1 sq. mi.								
19.—LOCH LINNHE. Left Bank Tributaries. 2 sq. mi.								
20.—CLYDE. Leven. 36 sq. mi.								
M	Lairig (Arnan)	N. of S. Hydro-Electric Bd.	NN(27)295182	1115	125·9	101·91	...	...
M	Dubh Eas	N. of S. Hydro-Electric Bd.	NN(27)291203	1210	122·4	97·62	...	...
ANGUS. (Area, 875 sq. mi.)								
1.—TAY. Isla. 211 sq. mi.								
M	Newtyle (Commercial Street) ..	H. Joiner, Esq. ..	NO(37)299414	250	...	40·24	...	...
D	GLAMIS CASTLE	Strathmore Estates ..	NO(37)388486	200	...	49·16	202	143
D	Kirriemuir (Lintrathen)	(+ A) G. Little, Esq., C.E. ..	NO(37)273541	700	35·3	36·52	202	148
D	Kirriemuir (Lochcraigs)	G. Little, Esq., C.E. ..	NO(37)275538	710	...	38·97	202	150
M	Kirriemuir (Balnakeilly)	G. Little, Esq., C.E. ..	NO(37)281554	685	36·7	37·25	...	...
M	Kirriemuir (Dykends)	G. Little, Esq., C.E. ..	NO(37)253569	750	...	39·40	...	...
M	Kirriemuir (Backwater)	G. Little, Esq., C.E. ..	NO(37)255589	850	...	41·30	...	...
M	Kirriemuir (Westerton)	G. Little, Esq., C.E. ..	NO(37)282598	900	...	45·15	...	...

§ Turf wall round gauge.

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958			
				National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more	
ANGUS—(contd.)					ft.	in.	in.			
1.—TAY. Isla—(contd.)										
M	Kirriemuir (Newton)	.. ..	G. Little, Esq., C.E.	..	NO(37)285573	735	...	41·80	...	...
M	Kirriemuir (Longdrum)	.. ..	G. Little, Esq., C.E.	..	NO(37)278619	1045	...	(45·80)	...	...
M	Kirriemuir (Barney)	.. ..	G. Little, Esq., C.E.	..	NO(37)251636	1120	...	43·90	...	...
M	Kirriemuir (Glenhead)	.. ..	G. Little, Esq., C.E.	..	NO(37)273648	1200	...	44·90	...	...
M	Kirriemuir (Dalvanie)	.. ..	G. Little, Esq., C.E.	..	NO(37)186657	1020	...	45·25	...	...
M	Kirriemuir (Glen Damff)	.. ..	G. Little, Esq., C.E.	..	NO(37)249650	1150	...	45·10	...	...
M	§Glen Isla (Auchavan)	.. ..	G. Little, Esq., C.E.	..	NO(37)191697	1200	...	47·40	...	...
M	§Glen Isla (Linns)	.. ..	G. Little, Esq., C.E.	..	NO(37)201705	1370	...	49·20	...	...
M	Glen Isla (Tulchen Lodge)	.. ..	G. Little, Esq., C.E.	..	NO(37)185723	1450	...	52·95	...	...
M	Glen Isla (Sheilin)	.. ..	G. Little, Esq., C.E.	..	NO(37)196756	1530	...	58·90	...	...
2.—FIRTH OF TAY. 80 sq. mi.										
D	Carnoustie (BUDDON NESS Light)	..	Dundee Harbour Trust	..	NO(37)539309	15	28·1	33·23	185	128
d	Dundee (Stobsmuir Reservoir)	..	G. Little, Esq., C.E.	..	NO(37)414321	285	...	35·92	...	130
D	§DUNDEE (MYLNEFIELD)	..	Horticultural Res. Institute	..	NO(37)341299	100	...	31·08	190	124
D	DUNDEE (Mayfield)	..	Director of Studies	..	NO(37)435310	147	31·1	34·67	197	133
D	Dundee (Clatto Reservoir)	..	G. Little, Esq., C.E.	..	NO(37)368344	500	...	36·40	212	137
3.—SOUTH ESK & C. 371 sq. mi.										
D	CARNOUSTIE	.. ..	Burgh Surveyor	..	NO(37)569344	17	29·1	33·78	182	129
D	Monikie Reservoir	.. ..	G. Little, Esq., C.E.	..	NO(37)502383	494	34·0	40·51	193	132
D	Monikie (Crombie Reservoir)	..	G. Little, Esq., C.E.	..	NO(37)522404	528	35·7	39·56	198	127
M	Monikie (Fallaws)	.. ..	G. Little, Esq., C.E.	..	NO(37)503407	585	...	41·25	...	...
D	ARBROATH (Springfield Park)	..	Town Council	..	NO(37)649411	95	26·3	30·32	163	114
w	Arbroath (Muirheads Reservoir)	..	Burgh Engineer	..	NO(37)607443	251	29·9	31·65	...	...
d	Montrose (Wellington Park)	..	Burgh Surveyor	..	NO(37)718578	17	...	34·94	...	124
D	§Forfar Waterworks (Den of Ogil)	..	Alex C. Millar, Esq.	..	NO(37)439620	663	...	45·26	230	153
D	Glenogil (Waterworks)	..	Burgh Engineer	..	NO(37)445625	690	...	43·06	219	152
M	Glen Prosen (Cormuir)	..	G. Little, Esq., C.E.	..	NO(37)306667	870	...	42·55	...	...
4.—NORTH ESK & C. 213 sq. mi.										
D	MONTROSE (ROYAL MENTAL HOSPITAL)	..	Medical Superintendent	..	NO(37)707617	200	28·7	35·64	183	132
d	Montrose (Kinnaber Waterworks)	..	Burgh Surveyor	..	NO(37)727615	30	...	34·79	...	128
D	Brechin (Stracathro Hospital)	..	Medical Superintendent	..	NO(37)626655	120	...	38·85	190	134
D	Loch Lee (Inchgrundle)	..	County Engineer	..	NO(37)413794	885	...	52·70	...	...
M	Bridge of Lee	..	County Engineer	..	NO(37)395803	920	...	55·85	...	...
D	Loch Lee (Invermark)	..	County Engineer	..	NO(37)431803	895	...	52·00	222	168
M	Glen Lee (Stables) new site	..	County Engineer	..	NO(37)374815	1555	...	59·65	...	...

DIVISION XVII—NORTH-EASTERN COUNTIES

KINCARDINESHIRE. (Area, 382 sq. mi.)

1.—NORTH ESK & C. 99 sq. mi.							
D Fettercairn (Fasque)	Sir Albert Gladstone ..	NO(37)649757	320	...	45·71	212	157
D §FETTERCAIRN (GLENSAUGH) ..	(+A) Hill Farming Research Org. ..	NO(37)669782	560	...	53·41	229	163
D Auchenblae (The Hollies)	D. E. Burnett, Esq. ...	NO(37)726787	...	...	44·23	197	143

§ Turf wall round gauge.

DIVISION XVII—NORTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958			
				National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more	
KINCARDINESHIRE—(contd.)					ft.	in.	in.			
2.—BERVIE, COWIE & C. 139 sq. mi.										
D	Inverbervie (Bervie School)	..	A. Galbraith, Esq.	..	NO(37)830728	80	...	38·70	184	133
D	STONEHAVEN	..	Town Council	..	NO(37)873864	125	30·2	37·24	201	138
D	MUCHALLS	..	N. of S. College of Agric.	..	NO(37)898919	210	...	35·09	192	136
3.—DEE. 144 sq. mi.										
D	Strachan (Bridge of Dye)	..	Sir Albert Gladstone	..	NO(37)650857	553	...	57·94	212	165
D	Banchory (Invery)	..	Major Jas. Kerr	..	NO(37)698940	225	...	46·55	207	161
D	Banchory (Invercarnie)	..	A. G. Booth, Esq., C.E.	..	NO(37)664966	208	...	37·59	196	138
ABERDEENSHIRE. (Area, 1,974 sq. mi.)										
1.—DEE. 672 sq. mi.										
M	Glen Muick (Allt na Guibhsaich)	..	A. G. Booth, Esq., C.E.	..	NO(37)300858	1370	...	46·28	...	...
D	Glen Muick (Inchnabobart)	..	A. G. Booth, Esq., C.E.	..	NO(37)310876	1270	...	46·14	225	183
D	BRAEMAR (Bank)	..	J. C. Donaldson, Esq.	..	NO(37)151912	1111	36·5	35·77	208	148
D	Braemar (Derry Lodge)	..	A. G. Booth, Esq., C.E.	..	NO(37)036932	1400	...	41·92	228	190
d	Ballater (Birkhall Sawmill)	..	Forestry Commission	..	NO(37)349936	650	...	39·89	...	150
D	Glen Tanar (Mansion House)	..	Lord Glentanar	..	NO(37)474958	553	...	45·32	217	151
D	BALMORAL Castle Gardens	..	(+ A) Mr. E. Stuart	..	NO(37)253949	927	33·3	37·17	231	162
d	§Ballater (Irrigation Farm)	..	A. G. Booth, Esq., C.E.	..	NO(37)381966	633	...	43·03	(225)	(163)
M	Beinn Bhreac	..	A. G. Booth, Esq., C.E.	..	NO(37)058968	2700	...	51·17	...	...
d	Aboyne (Irrigation Farm)	..	A. G. Booth, Esq., C.E.	..	NO(37)542982	380	...	38·28	(206)	(141)
D	Glen Gairn (Gairn Shiel Lodge)	..	A. G. Booth, Esq., C.E.	..	NJ(38)295008	1100	35·4	41·35	222	158
M	§Lumphanan	..	A. G. Booth, Esq., C.E.	..	NJ(38)575036	476	...	40·10	...	...
D	Drumoak (Drum Castle)	..	H. Q. Forbes Irvine, Esq.	..	NJ(38)796005	320	33·1	40·39	225	146
d	§Tarland (Irrigation Farm)	..	A. G. Booth, Esq., C.E.	..	NJ(38)488040	467	...	34·88	(208)	(139)
D	LOGIE COLDSTONE School	..	Jas. R. Ferguson, Esq., M.A.	..	NJ(38)434044	608	...	35·08	219	145
w	Bieldside (Netherton Lodge)	..	J. A. Ross, Esq.	..	NJ(38)875025	375	...	41·76	...	...
D	ABERDEEN (MANNOFIELD RES.)	..	(+ A) City Engineer, Aberdeen	..	NJ(38)915042	171	32·9	35·56	190	145
D	Craigiebuckler	..	Macaulay Inst. Soil Research	..	NJ(38)903045	220	...	41·59	215	163
2.—DON. 512 sq. mi.										
D	Strathdon (Tornashean)	..	Mr. G. A. Crawford	..	NJ(38)349121	1000	...	40·14	225	165
D	Bridge of Don (Braehead)	..	The Marquis of Aberdeen	..	NJ(38)938098	114	...	33·98	192	140
D	Aberdeen (Gordon Barracks)	..	Education Officer	..	NJ(38)948098	75	...	30·56	215	138
D	Dyce (CRAIBSTONE)	..	(+ A) N. of S. College of Agric.	..	NJ(38)872107	300	33·9	37·28	216	152
D	DYCE (Aberdeen Airport)	..	(+ A) Meteorological Office	..	NJ(38)873125	241	35·3	36·71	212	148
D	§Alford (Littlewood Park)	..	Sir Alan McLean	..	NJ(38)516185	750	...	46·34	233	176
3.—YTHAN & C. 285 sq. mi.										
D	Ellon (Esslemont House)	..	Mrs. Wolrige Gordon	..	NJ(38)934304	100	33·0	34·81	200	147
D	Haddo House	..	Major D. Gordon	..	NJ(38)868347	186	...	33·92	215	157
D	FYVIE CASTLE	..	Sir Ian Forbes-Leith, Bart.	..	NJ(38)764393	200	34·6	32·31	211	164
4.—UGIE & C. 257 sq. mi.										
D	New Deer (School House)	..	C. S. Henderson, Esq.	..	NJ(38)886470	397	35·0	38·55	219	163
D	Peterhead (Forehill Works)	..	J. Coull, Esq., C.E.	..	NK(48)097463	132	...	28·15	192	138
D	Peterhead (Mains of Buthlaw)	..	W. Johnston, Esq.	..	NK(48)064484	120	30·1	29·94	210	144
D	Fedderate Reservoir	..	G. S. Stewart, Esq.	..	NJ(38)865526	410	...	35·61	208	166

§ Turf wall round gauge.

DIVISION XVII—NORTH-EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge site		Average Rain-fall	1958					
		National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more			
ABERDEENSHIRE—(contd.)						<i>ft.</i>	<i>in.</i>	<i>in.</i>		
4.—UGIE & C.—(contd.)										
D §RATTRAY HEAD (Coastguard Stn.) (+ A)	Station Officer, for M.O. . .	NK(48)093582	85	28·3	31·90	216	145			
Kinnaird Head	Com'rs of N. Lighthouses . .	NJ(38)998675	62	...	26·55	169	130			
5.—DEVERON & C. 248 sq. mi.										
D Turriff (Muireisk House)	Air Com. G. E. Wilson, O.B.E.	NJ(38)704496	130	...	33·30	218	167			
BANFFSHIRE. (Area, 630 sq. mi.)										
1.—YTHAN. 1 sq. mi.										
2.—DEVERON & C. 344 sq. mi.										
D Cabrach Manse	Aberdeen County Council	NJ(38)388269	1025	...	44·28	239	177			
D Drummuir Castle	Col. Gordon Duff	NJ(38)372441	620	37·7	41·01	192	176			
d Easterfield School	J. A. McKay, Esq.	NJ(38)654454	450	...	34·81	...	...	
D Grange (Muiryfold)	I. W. Symon, Esq.	NJ(38)486522	486	...	35·83	227	173			
D Turriff (Forglen Gardens)	Mr. S. Barclay	NJ(38)699519	220	32·9	32·33	201	156			
d Buckie (Rochomie)	Burgh Surveyor	NJ(38)436627	287	...	35·48	...	160			
D Cullen House Gardens	C. A. Ritchie, Esq.	NJ(38)508671	150	...	28·91	203	153			
3.—SPEY. Right Bank Tributaries. 285 sq. mi.										
D Ballindalloch	R. McIntosh, Esq.	NJ(38)185369	630	34·8	36·25	203	168			
MORAYSHIRE. (Area, 477 sq. mi.)										
1.—DEVERON & C. 7 sq. mi.										
2.—SPEY. Right Bank Tributaries. 35 sq. mi.										
D FOCHABERS (GORDON CASTLE)	Col. G. C. Gordon Lennox, C.V.O., D.S.O.	NJ(38)350595	104	29·6	32·88	214	154			
3.—SPEY. Left Bank Tributaries. 133 sq. mi.										
D GRANTOWN-ON-SPEY	Town Council	NJ(38)027273	720	...	28·70	223	141			
4.—LOSSIE & C. 154 sq. mi.										
D Forres (Dallas Lodge)	Brig. H. W. Houldsworth . .	NJ(38)108526	600	...	34·90	214	159			
D Kellas (Kellas House)	Mrs. Christie	NJ(38)165539	446	...	33·69	202	165			
D Lhanbryde (Blackhills House)	S. F. Christie, Esq.	NJ(38)272582	310	...	33·53	191	164			
D Elgin (Kirkhill)	Dr. Elizabeth J. A. Yool . .	NJ(38)211624	35	...	28·76	201	155			
D Elgin (The Bield)	Mrs. Jean Harrison	NJ(38)184627	120	...	27·71	206	149			
D §ELGIN (Cemetery) (+ A)	Town Council	NJ(38)226617	92	...	26·61	203	146			
D Elgin (Lesmurdie)	Mrs. J. G. Norman	NJ(38)226636	114	...	30·26	218	157			
D Elgin (Newton Nursery)	Forestry Commission	NJ(38)164638	75	...	26·99	204	146			

: Turf wall round gauge.

DIVISION XVII—NORTH-EASTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge site		Average Rain-fall	1958		
				National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
MORAYSHIRE—(contd.)					ft.	in.	in.		
5.—FINDHORN & C. 148 sq. mi.									
d	FORRES (Hydro)	.. .. .	Town Clerk	NJ(38)047587	155	24·6	26·18	...	133
D	Kintessack (Culbin)	.. .. .	Mr. W. G. Milne	NJ(38)000602	28	...	27·60	222	141
D	KINLOSS Airfield	.. .. .	(+ A) Meteorological Office	NJ(38)069625	15	...	26·91	204	141
D	Findhorn	.. .. .	D. Cameron, Esq.	NJ(38)039644	20	...	25·77	190	135
NAIRNSHIRE. (Area, 163 sq. mi.)									
1.—FINDHORN & C. 102 sq. mi.									
D	Drynachan Lodge	.. .. .	Cawdor Estate Office	NH(28)865395	750	...	38·17	240	173
D	Ardclach (Glenferness)	.. .. .	Mr. J. May	NH(28)937430	700	38·1	(37·48)	220	159
D	Lethen	.. .. .	Major D. J. Brodie	NH(28)938517	300	...	30·61	215	154
2.—NAIRN & C. 61 sq. mi.									
D	Cawdor (Auchindoune)	.. .. .	Col. the Hon. I. M. Campbell	NH(28)838479	425	...	29·27	225	150
D	Cawdor Castle	.. .. .	Earl of Cawdor	NH(28)847498	225	31·7	28·70	213	144
D	Nairn (Firhall)	.. .. .	Mrs. A. Cameron	NH(28)881551	65	...	26·01	198	131
d	Nairn (Balblair)	.. .. .	Major R. H. Allanby	NH(28)873553	94	...	28·17	...	142
D	Nairn (Achareidh)	.. .. .	Mrs. Clarke	NH(28)868565	59	26·4	26·65	208	132
d	NAIRN (Golf Course)	.. .. .	Town Clerk	NH(28)862566	20	25·0	25·16	...	120

DIVISION XVIII—NORTH-WESTERN COUNTIES

INVERNESS-SHIRE. (Area, 4,146 sq. mi.)							
1.—TAY. Tummel. 28 sq. mi.							
2.—SPEY. Right Bank Tributaries. 437 sq. mi.							
D DALWHINNIE	G. Ritchie, Esq., for M.O. ...	NN(27)638848	1176	49·2	40·54	233	175
M Loch Seilich (Gaick Lodge)	N. of S. Hydro-Electric Bd.	NN(27)756848	1430	...	53·12	...	...
D Loch Seilich (Tromie Dam)	N. of S. Hydro-Electric Bd.	NN(27)763883	1430	...	44·93	280	235
M §Loch Cuaich	N. of S. Hydro-Electric Bd.	NN(27)702886	1340	...	42·78	...	...
D Glenshero	British Aluminium Co. Ltd.	NN(27)550931	880	...	39·03	225	169
M Glenfeshie Lodge	Department of Agriculture	NN(27)842933	1170	...	38·43	...	...
D Loch Morlich (Forester's Cottage)	Forestry Commission	NH(28)978097	1072	...	34·78	205	155
D Loch Morlich (GLENMORE LODGE)	D. of Field Studies, for M.O.	NH(28)977097	1075	...	33·80	217	154
3.—SPEY. Left Bank Tributaries. 257 sq. mi.							
D Cluny Castle	J. Burnaby Coutts, Esq.	NN(27)646943	830	...	35·88	257	174
M Loch Spey	British Aluminium Co. Ltd.	NN(27)424939	1164	...	58·05	...	...
M Glen Spey (Mealgarve)	British Aluminium Co. Ltd.	NN(27)464959	1135	...	51·41	...	...
D §Laggan (Gergask)	Mrs. Jessie A. Gillies	NN(27)613948	900	...	37·31	234	173
D KINCRAIG (Ard Insh)	Dr. C. B. Williams, F.R.S. ...	NH(28)831057	780	...	29·30	224	147
D Carrbridge (Braeval)	Mrs. L. Grant	NH(28)910224	850	...	29·20	208	140

§ Turf wall round gauge.

DIVISION XVIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
INVERNESS-SHIRE—(contd.)				ft.	in.	in.		
4.—FINDHORN. 164 sq. mi.								
d	Strath Dearn (Coignafearn Lodge) ..	N. of S. Hydro-Electric Bd.	NH(28)681153	1460	...	42.92	224	191
5.—NAIRN & C. 131 sq. mi.								
d	Strathnairn (Brin House)	R. D. Trotter, Esq. ..	NH(28)667298	700	...	39.21	...	...
d	Strathnairn (Farr)	Forestry Commission ..	NH(28)683331	650	...	34.53	238	157
d	Dalcross Airfield (+ A)	Meteorological Office ..	NH(28)766520	34	...	23.61	...	129
6.—NESS. Right Bank Tributaries. 252 sq. mi.								
M	Auchterawe (Lon Mor)	Forestry Commission ..	NH(28)336068	525	...	43.43	...	...
D	Fort Augustus (Auchterawe) ..	Forestry Commission ..	NH(28)368092	136	...	40.67	218	173
D	FORT AUGUSTUS (St. Benedicts) ..	Procurator	NH(28)381091	68	...	38.20	217	165
d	§Loch Ness (Sronlairig Lodge) ..	N. of S. Hydro-Electric Bd.	NH(28)535070	1175	...	49.80	...	...
D	Loch Ness (Garthbeg)	British Aluminium Co. Ltd.	NH(28)512182	625	...	35.39	247	166
D	Loch Ness (Foyers)	British Aluminium Co. Ltd.	NH(28)497212	52	...	34.16	223	157
D	Loch Ness (Aberchalder)	British Aluminium Co. Ltd.	NH(28)552201	700	...	35.45	219	168
w	Loch Ashie	Inverness Town Council ..	NH(28)637359	718	...	30.33	...	...
7.—NESS. Garry & c. 185 sq. mi.								
M	Loch Quoich (Cruadhach)	N. of S. Hydro-Electric Bd.	NM(17)932994	710	...	106.57	...	...
M	Glen Kingie (Lochan na Sgud) ..	N. of S. Hydro-Electric Bd.	NN(27)061983	470	...	81.45	...	...
M	Loch Quoich (Kinlochquoich) ..	N. of S. Hydro-Electric Bd.	NG(18)926007	713	...	103.42	...	...
d	Invergarry (Craigard)	N. of S. Hydro-Electric Bd.	NH(28)293010	181	...	49.81	223	176
d	Glen Garry (Kingie Camp) (+ A)	N. of S. Hydro-Electric Bd.	NH(28)102014	480	...	68.50	...	...
d	Glen Garry (Inchlaggan)	N. of S. Hydro-Electric Bd.	NH(28)175017	360	...	51.89	...	...
D	Invergarry Dam	N. of S. Hydro-Electric Bd.	NH(28)276022	290	...	47.56	233	180
	Glen Quoich (Alltbeithe)	N. of S. Hydro-Electric Bd.	NH(28)021072	760	...	89.80	...	...
w	Glenquoich	N. of S. Hydro-Electric Bd.	NH(28)025032	700	...	92.36	...	...
8.—NESS. Moriston. 120 sq. mi.								
d	Cluanie Dam	N. of S. Hydro-Electric Bd.	NH(28)192100	600	...	61.99	...	...
d	Glenmoriston (Ceannacroc)	N. of S. Hydro-Electric Bd.	NH(28)226113	427	...	52.97	...	...
M	Glenmoriston (Coire Doe)	N. of S. Hydro-Electric Bd.	NH(28)183146	936	...	66.25	...	...
D	Glenmoriston (Bhlaraidh)	N. of S. Hydro-Electric Bd.	NH(28)382165	229	...	38.68	216	152
d	Invermoriston Post office	N. of S. Hydro-Electric Bd.	NH(28)417170	70	...	39.56	...	...
d	§Invermoriston (Allt Saigh)	N. of S. Hydro-Electric Bd.	NH(28)456192	95	...	34.52	...	...
9.—NESS. Enrick. 133 sq. mi.								
M	Glen Urquhart Forest	Forestry Commission ..	NH(28)426284	1000	...	41.40	...	...
d	Glen Urquhart House	G. H. Wilkinson, Esq. ..	NH(28)442307	470	...	33.11	197	158
10.—BEAULY. 341 sq. mi.								
M	Glen Affric (Creag na Calman) ..	N. of S. Hydro-Electric Bd.	NH(28)185218	1050	...	72.70	...	...
D	Glen Affric (Affric Lodge)	N. of S. Hydro-Electric Bd.	NH(28)185230	765	...	60.36	250	219
M	Glen Fiadh	N. of S. Hydro-Electric Bd.	NH(28)180257	1550	...	84.45	...	...
d	Glen Affric (Benevean Dam)	N. of S. Hydro-Electric Bd.	NH(28)275280	762	...	46.48	...	...

§ Turf wall round gauge.

DIVISION XVIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
INVERNESS-SHIRE—(contd.)				ft.	in.	in.		
10.—BEAULY—(contd.)								
D	CANNICH (Balcladaich)	.. .. Forestry Commission	NH(28)297259	350	...	42.58	222	175
D	Cannich (Fasnakyle)	.. .. N. of S. Hydro-Electric Bd.	NH(28)314288	264	...	37.97	214	171
D	Glen Cannich (Mullardoch Dam) <i>n. site</i>	.. .. N. of S. Hydro-Electric Bd.	NH(28)223310	820	...	59.42	241	198
D	Strathglass (Glassburn)	.. .. Maj.-Gen. A. L. Collier, C.B.E.	NH(28)370344	170	...	40.66	226	169
M	Strathfarrar (Deanie Generating Stn.)	.. .. N. of S. Hydro-Electric Bd.	NH(28)294388	395	...	46.38	...	...
d	Strathfarrar (Inchouilt)	.. .. N. of S. Hydro-Electric Bd.	NH(28)229387	495	...	51.68	...	...
D	Strathfarrar (Milton Cottage)	.. .. N. of S. Hydro-Electric Bd.	NH(28)394406	175	...	41.81	220	179
M	Strathfarrar (Loch Toll a' Mhuic)	.. .. N. of S. Hydro-Electric Bd.	NH(28)232421	1875	...	75.31	...	...
d	The Aird (Teanacoil)	.. .. Forestry Commission	NH(28)492413	220	...	30.56	181	138
11.—CROMARTY FIRTH. 13 sq. mi.								
d	Tighachrochadair	.. .. N. of S. Hydro-Electric Bd.	NH(28)434483	820	...	38.69	...	...
12.—SOUND OF SLEAT. 259 sq. mi.								
D	Arisaig (Traigh House)	.. .. Mrs. Vera Shaw Stewart	NM(17)657906	20	...	49.31	223	183
D	Loch Morar (Rhubana)	.. .. N. of S. Hydro-Electric Bd.	NM(17)688922	52	...	56.59	240	197
D	Loch Nevis (Inverie Gardens)	.. .. Col. Crosthwaite-Eyre	NM(17)774994	15	84.1	65.13	211	202
	Coire Shubh Beag	.. .. N. of S. Hydro-Electric Bd.	NG(18)960044	770	...	103.98	...	...
D	Loch Hourn (Kinlochourn)	.. .. Ewen MacRae, Esq.	NG(18)950065	18	...	79.48	227	211
13.—SOUND OF ARISAIG. 126 sq. mi.								
D	Moidart (Glenmoidart)	.. .. Miss Margery Lees	NM(17)745728	200	...	67.40	229	201
D	Loch Ailort (Inverailort)	.. .. Mrs. L. P. F. Cameron-Head	NM(17)763815	8	...	71.16	239	211
D	Arisaig House	.. .. Miss C. G. Astley Nicholson	NM(17)692848	40	63.8	53.99	240	188
14.—LOCH LINNHE. Right Bank Tributaries. 48 sq. mi.								
15.—LOCHY. Right Bank Tributaries. 143 sq. mi.								
D	Loch Eil (Achdalieu)	.. .. Mrs. B. Lambie	NN(27)060782	100	...	57.69	220	178
D	Loch Arkaig (Achnacarry)	.. .. Lt.-Col. D. H. Cameron of Lochiel	NN(27)176880	128	82.3	59.89	237	179
M	Clunes (Kilmallie)	.. .. Forestry Commission	NN(27)188894	1050	...	56.25	...	...
16.—LOCHY. Left Bank Tributaries. 362 sq. mi.								
M	Fort William (Allt a' Mhuilinn)	.. .. British Aluminium Co. Ltd.	NN(27)148747	1000	...	70.87	...	...
D	Fort William (The Factory)	.. .. British Aluminium Co. Ltd.	NN(27)127752	75	...	54.88	239	181
M	Roy Bridge (Lairig Road)	.. .. British Aluminium Co. Ltd.	NN(27)280752	1650	...	84.43	...	...
M	Spean Bridge (The Cour)	.. .. British Aluminium Co. Ltd.	NN(27)227756	1050	...	76.64	...	...
M	Sgurr Finisgaig	.. .. British Aluminium Co. Ltd.	NN(27)195763	1850	...	73.24	...	...
D	Loch Treig (Fersit)	.. .. British Aluminium Co. Ltd.	NN(27)354780	850	...	57.35	229	196
M	Tulloch (Allt Laire)	.. .. British Aluminium Co. Ltd.	NN(27)330781	1050	...	65.82	...	...
M	Roy Bridge (Allt Leachdach)	.. .. British Aluminium Co. Ltd.	NN(27)257790	650	...	52.60	...	...
M	Loch Pattack	.. .. Sir J. F. Ramsden, Bart.	NN(27)543798	1420	...	51.55	...	...
M	Glen Spean (Craigbeg)	.. .. British Aluminium Co. Ltd.	NN(27)407817	860	...	48.75	...	...
D	Spean Bridge (Spean Lodge)	.. .. Mrs. L. Davy	NN(27)221816	200	...	48.55	201	178
D	Spean Bridge (Gairloch)	.. .. J. McLaren, Esq.	NN(27)176843	100	...	57.60	221	194
D	Loch Laggan (Ardverikie)	.. .. Sir J. F. Ramsden, Bart.	NN(27)508876	838	56.6	46.88	217	177
d	Glen Roy (Braeroy Lodge)	.. .. N. of S. Hydro-Electric Bd.	NH(28)335914	734	...	58.74	...	...

DIVISION XVIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
INVERNESS-SHIRE—(contd.)				ft.	in.	in.		
17.—LOCH LINNHE. Left Bank Tributaries. 120 sq. mi.								
M	Glenrigh (Lower)	.. .. Forestry Commission	NN(27)061630	420	...	67·15	...	...
D	ONICH	.. .. Forestry Commission	NN(27)030635	48	81·4	68·03	228	206
D	Onich (Corran Gardens)	.. .. R. W. Paine, Esq.	NN(27)023636	72	...	62·16	226	189
M	Glenleven (Loch Eilde Mhor)	.. .. British Aluminium Co. Ltd.	NN(27)217634	1130	...	76·01	...	...
M	Glenrigh (Upper)	.. .. Forestry Commission	NN(27)076647	480	...	70·25	...	...
d	Glenleven (Corrour)	.. .. British Aluminium Co. Ltd.	NN(27)356664	1350	...	68·03	...	...
d	Glen Nevis (Achriabhach)	.. .. N. of S. Hydro-Electric Bd.	NN(27)145684	169	...	73·01	...	...
d	Glen Nevis (Steall)	.. .. N. of S. Hydro-Electric Bd.	NN(27)176685	705	...	82·12	...	...
D	FORT WILLIAM (Secondary School) (+ A)	A. Honeyman, M.A., Ph.D.	NN(27)099737	34	79·6	59·15	243	178
D	Fort William (Glasdrum)	.. .. British Aluminium Co. Ltd.	NN(27)101735	216	78·7	57·44	227	172
18.—INSULAR. INNER HEBRIDES. 832 sq. mi.								
D	Isle of Eigg	.. .. Rt. Hon. Viscount Runciman	NM(17)479836	120	...	47·71	230	181
M	Rhum (Harris)	.. .. Nature Conservancy	NM(17)337958	70	...	48·37	...	...
M	Rhum (Ard Nev)	.. .. Nature Conservancy	NM(17)353988	900	...	74·30	...	...
D	RHUM (Kinloch Castle)	.. .. Nature Conservancy	NM(17)402996	10	...	80·63	248	202
M	§Rhum (Kilmory)	.. .. Nature Conservancy	NG(18)362038	70	...	59·05	...	...
D	Skye (Broadford)	.. .. Mrs. M. MacInnes	NG(18)640235	25	...	67·47	226	199
D	Skye (Kyleakin, Dunningell)	.. .. W. A. Douglas-Hamilton, Esq.	NG(18)744263	70	...	53·73	258	193
d	Skye (Grula)	.. .. Forestry Commission	NG(18)381266	60	...	71·35	244	213
D	Skye (Tallisker)	.. .. James A. Cameron, Esq.	NG(18)325302	15	...	56·41	233	217
D	Skye (Loch Harport, Carbost)	.. .. Mr. D. M. MacCaskill	NG(18)369330	160	...	71·76	247	216
D	Skye (Portree)	.. .. Miss F. Macdonald	NG(18)479441	90	71·4	59·69	247	199
D	Skye (Storr Lochs)	.. .. N. of S. Hydro-Electric Bd.	NG(18)510525	480	...	64·12	251	213
D	Skye (PRABOST)	.. .. R. M. Murray, Esq.	NG(18)422497	200	...	62·00	258	202
D	Skye (DUNTULM, Kilmuir)	.. .. Seton Gordon, Esq., C.B.E.	NG(18)399718	294	53·1	46·09	243	195
19.—INSULAR. OUTER HEBRIDES. 243 sq. mi.								
D	Lochboisdale (Daliburgh)	.. .. Mr. J. McPhee	NF(08)756206	40	...	34·81	244	176
D	BENBECULA Airport	.. .. (+ A) Meteorological Office	NF(08)784556	18	44·9	44·55	243	183
D	North Uist (Lochmaddy)	.. .. Peter R. MacIntyre, Esq.	NF(08)922696	34	...	40·16	241	194
D	Harris (Kyles Lodge)	.. .. L. H. Lomas, Esq.	NF(08)997878	20	...	41·70	262	179
ROSS & CROMARTY. (Area, 3,237 sq. mi.)								
1.—NESS. Moriston. 35 sq. mi.								
2.—BEAULY. 109 sq. mi.								
3.—MORAY FIRTH COAST STREAMS. 64 sq. mi.								
D	Loch Monar (Strathmore Lodge)	.. .. N. of S. Hydro-Electric Bd.	NH(28)124412	673	...	73·20	228	179
D	§FORTROSE	.. .. Town Clerk (Fortrose)	NH(28)749557	15	25·4	23·65	189	128
D	Millbuie (Blackstand)	.. .. Forestry Commission	NH(28)716611	520	...	29·43	195	144
d	Fearn (Geanies)	.. .. Sir Kenneth Murray, J.P.	NH(28)895793	200	23·6	24·67	166	133

§ Turf wall round gauge.

DIVISION XVIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
ROSS & CROMARTY—(contd.)				ft.	in.	in.		
4.—CROMARTY FIRTH. 714 sq. mi.								
d	Muir of Ord (Fairburn)	.. .. Sir John Stirling	NH(28)455528	500	...	33·53	191	162
D	Strathconon (Bridgend)	.. .. N. of S. Hydro-Electric Bd.	NH(28)323551	400	...	44·41	214	174
D	Loch Luichart (East)	.. .. N. of S. Hydro-Electric Bd.	NH(28)390575	165	...	42·10	226	183
D	Lochluichart (The Manse)	.. .. N. of S. Hydro-Electric Bd.	NH(28)320625	310	...	41·21	215	172
D	Lochluichart (Aultdearg)	.. .. N. of S. Hydro-Electric Bd.	NH(28)289654	725	...	46·30	239	192
M	Garbat (Dubh Choille)	.. .. Forestry Commission	NH(28)399683	1150	...	45·74	...	...
D	GARVE (Inchbae)	.. .. Forestry Commission	NH(28)405693	526	...	44·35	236	181
d	Strath Vaich Schoolhouse	.. .. N. of S. Hydro-Electric Bd.	NH(28)373710	700	...	44·02	...	...
d	Strath Vaich Lodge	.. .. N. of S. Hydro-Electric Bd.	NH(28)348742	790	...	54·15	...	...
D	Alness (Ardross School)	.. .. J. H. Ross, Esq.	NH(28)644736	495	...	32·19	211	155
5.—DORNOCH FIRTH. 355 sq. mi.								
w §	Strath Carron (Deanich Lodge)	.. .. N. of S. Hydro-Electric Bd.	NH(28)368839	900	...	63·06	...	...
	Tain (Mayfield)	.. .. Dr. E. W. Fraser	NH(28)776825	77	...	28·25	179	145
D	TARBATNESS	.. .. Principal Keeper, for M.O.	NH(28)947875	60	...	22·97	183	116
6.—ENARD BAY. 78 sq. mi.								
7.—LOCH BROOM & C. 367 sq. mi.								
d	Loch Droma	.. .. N. of S. Hydro-Electric Bd.	NH(28)253758	940	...	63·01	...	...
D	Inverbroom (Glackour)	.. .. Forestry Commission	NH(28)191820	65	...	54·14	216	191
D	Ullapool (Semardon)	.. .. J. R. Matheson, Esq.	NH(28)128942	50	...	48·68	232	185
D	Strath Kanaird (Power Station)	.. .. N. of S. Hydro-Electric Bd.	NC(29)149013	90	...	57·62	232	196
8.—LOCH EWE, LOCH TORRIDON & C. 423 sq. mi.								
D	Loch Torridon (Torridon House)	.. .. Capt. R. G. Gunter	NG(18)869572	25	...	63·98	243	207
M	Glen Torridon (Carn Anthony)	.. .. Nature Conservancy	NG(18)977575	350	...	94·31	...	...
D	KINLOCHEWE (Anancaun)	.. .. (+ A) Nature Conservancy	NH(28)024630	82	...	66·67	240	205
	Gairloch (Loch na h-Oidhche)	.. .. N. of S. Hydro-Electric Bd.	NG(18)899642	1350	...	110·08	...	...
	Gairloch (a'Gharbh-Choire)	.. .. N. of S. Hydro-Electric Bd.	NG(18)873701	800	...	73·48	...	...
D	Loch Maree (Letterewe)	.. .. N. of S. Hydro-Electric Bd.	NG(18)953712	42	...	64·93	258	221
D	Loch Bad-na-Sgalaig	.. .. N. of S. Hydro-Electric Bd.	NG(18)848719	355	...	65·61	233	194
D	Gairloch (Badachro)	.. .. N. of S. Hydro-Electric Bd.	NG(18)778736	90	...	42·42	192	162
	Sithean Mor	.. .. N. of S. Hydro-Electric Bd.	NG(18)848741	850	...	68·05	...	...
D	Poolewe (Inverewe)	.. .. National Trust	NG(18)861818	20	...	53·84	234	199
D	Inverasdale (Midtown)	.. .. Alex. J. MacLeod, Esq.	NG(18)821866	40	...	51·91	229	188
9.—LOCH CARRON, LOCH ALSH & C. 401 sq. mi.								
M	Glen Shiel (Tigh an Allt)	.. .. Forestry Commission	NH(28)017132	600	134·5	90·76	...	...
D	Loch Duich (Ratagan)	.. .. Forestry Commission	NG(18)919197	12	80·4	68·75	229	198
M	Loch Duich (Druim Sgurr)	.. .. Forestry Commission	NG(18)902197	1100	...	76·18	...	...
D	Loch Alsh (Nostie)	.. .. N. of S. Hydro-Electric Bd.	NG(18)857273	25	...	59·51	243	206
D	Stromeferry (Dailfearn)	.. .. Forestry Commission	NG(18)854337	60	...	53·61	253	199
M	Stromeferry (Am Meallan)	.. .. Forestry Commission	NG(18)874339	625	...	61·00	...	...
d	Applecross (Milltown)	.. .. Dr. H. B. Martin	NG(18)707439	20	...	45·61	...	...
D	Loch Kishorn (Culdoran)	.. .. Miss J. Huntsman	NG(18)843441	50	...	74·09	238	205
D	ACHNASHELLACH	.. .. Forestry Commission	NH(28)040491	220	81·0	73·17	272	208
M §	Coulin Pass	.. .. Forestry Commission	NH(28)025501	950	...	78·25	...	...

§ Turf wall round gauge.

DIVISION XVIII—NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
		National grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
ROSS & CROMARTY—(contd.)			ft.	in.	in.		
10.—INSULAR. OUTER HEBRIDES. 691 sq. mi.							
	Stornoway Lighthouse Com'rs of N. Lighthouses ..	NB(19)443305	28	...	37.06	205	179
D	§STORNOWAY Airport (+A) Meteorological Office ..	NB(19)465332	11	39.5	37.88	227	173
D	Stornoway (Back Schoolhouse) .. A. Matheson, Esq., B.Sc. ..	NB(19)482401	102	...	36.27	230	174

DIVISION XIX—NORTHERN COUNTIES

SUTHERLAND. (Area, 2,080 sq. mi.)

1.—DORNOCH FIRTH. 413 sq. mi.

D Dornoch (Ospisdale)	.. .. Mrs. J. O. Sudlow	NH(28)713898	100	...	31.04	239	167
D LAIRG (ACHANY)	.. .. Forestry Commission	NC(29)570018	240	...	42.96	238	183
D Strath Oykeall (Rosehall)	.. .. A. Munro, Esq.	NC(29)467023	250	...	38.36	234	176
D Glenrossal	.. .. Lt.-Col. P. C. H. Grant	NC(29)465040	130	...	44.06	228	183
D Raonocloy	.. .. N. of S. Hydro-Electric Bd.	NC(29)566037	279	...	35.25	199	175
D Lairg Dam	.. .. N. of S. Hydro-Electric Bd.	NC(29)577071	310	...	37.06	189	170
d Loch Ailsh (Ben More Lodge)	.. .. N. of S. Hydro-Electric Bd.	NC(29)323114	513	...	66.37	...	...
d Glen Cassley (Dalphaid)	.. .. N. of S. Hydro-Electric Bd.	NC(29)397145	360	...	60.61	...	...
d Glen Cassley (Duchally)	.. .. N. of S. Hydro-Electric Bd.	NC(29)388170	436	...	63.04	...	...
Glen Cassley (Ben More)	.. .. N. of S. Hydro-Electric Bd.	NC(29)346194	1240	...	111.86	...	...
D Overscaig	.. .. N. of S. Hydro-Electric Bd.	NC(29)421226	305	...	54.20	233	199
M § Loch Shin (Fiag)	.. .. N. of S. Hydro-Electric Bd.	NC(29)445238	880	...	44.84	...	...
D Loch Shin (Corrykinloch)	.. .. N. of S. Hydro-Electric Bd.	NC(29)365257	386	...	67.81	267	221

2.—FLEET, BRORA & C. 309 sq. mi.

d Loch Merkland	.. .. N. of S. Hydro-Electric Bd.	NC(29)401297	387	...	64.88	...	...
§ Loch Merkland (Garvault)	.. .. N. of S. Hydro-Electric Bd.	NC(29)372305	1100	...	87.71	...	...
D Brora (Uppat)	.. .. T. Adam, Esq.	NC(29)870025	220	...	30.34	213	158

3.—HELMSDALE & C. 226 sq. mi.

4.—NORTH COAST STREAMS. 736 sq. mi.

d Kinbrace (The Hatchery)	.. .. N. of S. Hydro-Electric Bd.	NC(29)872285	341	...	49.59	...	...
w Loch Choire Lodge	.. .. N. of S. Hydro-Electric Bd.	NC(29)651305	575	...	51.91	...	...
Loch Merkland (Ben Hee)	.. .. N. of S. Hydro-Electric Bd.	NC(29)409368	1700	...	102.00	...	...
D Skerray (Borgie)	.. .. Forestry Commission	NC(29)663579	110	...	39.53	243	194
D Tongue	.. .. D. Murray, Esq.	NC(29)586585	40	...	36.97	231	176
D STRATHY (Bowside) old site	.. .. Department of Agriculture	NC(29)830609	125	...	37.26	234	173
D STRATHY (Bowside) new site	.. .. Department of Agriculture	NC(29)830609	125	...	40.57	234	174
d Melvich School	.. .. W. Macdonald, Esq.	NC(29)877650	200	...	35.71	(224)	(178)
D Durness (Keoldale)	.. .. Hugh Campbell, Esq.	NC(29)381662	16	...	40.26	244	176
D CAPE WRATH	.. .. Principal Keeper, for M.O.	NC(29)259747	367	47.4	37.34	234	186

5.—LOCH LAXFORD & C. 256 sq. mi.

6.—ENARD BAY. 138 sq. mi.

D Elphin	.. .. Cap. H. MacLeod	NC(29)222118	600	...	58.01	255	222
D Lochinver (Bank House)	.. .. G. W. Gordon, Esq., J.P.	NC(29)094223	22	...	43.49	213	178
D Stoer	.. .. N. A. McKenzie, Esq.	NC(29)035290	70	...	37.98	201	170

7.—INSULAR. 2 sq. mi.

§ Turf wall round gauge.

DIVISION XIX—NORTHERN COUNTIES—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			National grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
CAITHNESS. (Area, 696 sq. mi.)				ft.	in.	in.		
1.—BERRIEDALE, DUNBEATH & C. 169 sq. mi.								
M	Berriedale (Langwell)	Duke of Portland	ND(39)103224	230	...	29·26	...	...
2.—WICK & C. 184 sq. mi.								
D	Wick Airport	(+ A) Meteorological Office ..	ND(39)366523	119	30·0	31·19	215	158
	Noss Head	Com'rs of N. Lighthouses ..	ND(39)389550	129	...	27·73	179	136
3.—THURSO & C. 238 sq. mi.								
d	Halkirk (Westerdale)	Rev. A. S. Maciver ..	ND(39)129517	195	...	31·42	(234)	(189)
D	HALKIRK (OLGRINBEG P.S.) ..	N. of S. Hydro-Electric Bd. ..	ND(39)091527	232	...	36·40	217	179
d	§Loch Calder (Achavarn Weir) ..	County Water Engineer ..	ND(39)086595	221	...	32·58	...	...
D	Thurso (Buckies)	Miss J. W. Davidson ..	ND(39)109633	240	38·9	33·14	216	176
d	Loch Schurrery	County Water Engineer ..	ND(39)042567	329	...	33·43	...	...
4.—FORSS & C. 104 sq. mi.								
5.—INSULAR. 1 sq. mi.								
ORKNEY ISLANDS. (Area, 389 sq. mi.)								
M	Hoy (Cantick Head)	Com'rs of N. Lighthouses ..	ND(39)346893	68	...	28·90	200	170
M	Hoy (Graemsay Sound, High) ..	Com'rs of N. Lighthouses ..	HY(310)246066	29	...	34·96	210	158
D	§GRIMSETTER Airport	(+ A) Meteorological Office ..	HY(310)483076	84	39·4	36·60	223	167
D	Stenness	Mr. P. Leith, Jr. ..	HY(310)299118	75	...	38·24	238	175
	Hellyar Holm	Com'rs of N. Lighthouses ..	HY(310)483151	35	34·7	30·74	196	157
M	Shapinsay (Balfour Castle) ..	Mr. J. W. Liddell ..	HY(310)474165	50	33·3	34·70	...	...
	Sanday (Start Point)	Com'rs of N. Lighthouses ..	HY(310)787435	27	...	35·41	229	173
D	SULE SKERRY	Principal Keeper, for M.O. ..	HX(210)623241	43	...	35·94	245	174
SHETLAND ISLANDS. (Area, 558 sq. mi.)								
d	Sandwick	Zetland County Council ..	HU(411)411250	330	...	42·68	(232)	(180)
D	Burra Isle	Zetland County Council ..	HU(411)373337	100	...	37·05	204	163
D	LERWICK OBSERVATORY	(+ A) Meteorological Office ..	HU(411)454396	269	40·5	38·76	238	172
M	Lerwick Observatory (Sheltered g.)	Meteorological Office ..	HU(411)452398	247	...	44·89	...	...
D	Aith (East Burrafirth)	Zetland County Council ..	HU(411)354580	30	...	36·69	239	167
d	Skerries	Zetland County Council ..	HU(411)690720	100	...	32·06	...	...
D	Bixter (Vementry)	Capt. D. Cross ..	HU(411)309597	25	...	34·27	208	159
D	Whalsey (Saltness)	Zetland County Council ..	HU(411)542628	30	...	36·23	240	166
D	BALTASOUND (Halligarth)	P. Tait, Esq.	HP(412)609090	30	44·9	41·13	244	183

§ Turf wall round gauge.

Northern Ireland

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			Irish grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
FERMANAGH. (Area, 713 sq. mi.)				ft.	in.	in.		
1.—ERNE. 667 sq. mi.								
D	Newtownbutler (Crom Castle)	.. The Earl of Erne	IH(23)356241	200	39.3	49.09	268	196
D	Florencecourt .. ..	.. The Earl of Enniskillen ..	IH(23)176347	274	48.6	49.50	248	194
D	Enniskillen (Bellevue) ..	.. Lady Margaret Lowry-Corry	IH(23)253410	210	39.7	41.77	290	181
D	Colebrooke .. ..	.. Viscount Brookeborough ..	IH(23)410446	250	41.3	44.85	225	180
D	Belleek (Roscor) .. ..	.. T. McGorty, Esq., for M.O.	IG(13)971551	500	...	46.33	268	195
D	Belleek .. ..	.. Mrs. Beacom	IG(13)941589	150	48.4	50.02	280	213
d	Irvinestown (R.U.C.) ..	.. Sergeant in Charge* ..	IH(23)236582	303	40.8	44.02	...	...
2.—DROWES & C. 46 sq. mi.								
ARMAGH. (Area, 514 sq. mi.)								
1.—DUNDALK BAY. 118 sq. mi.								
2.—CARLINGFORD LOUGH. 23 sq. mi.								
D	Bessbrook (The Woodhouse)	.. J. S. W. Richardson, Esq.	IJ(33)051284	260	40.1	45.25	236	181
3.—BANN. Lough Neagh, East. 37 sq. mi.								
4.—BANN. UPPER. 144 sq. mi.								
D	Ballylane (Waterworks)	.. Engineer, Armagh R.D.C...	IH(23)965352	480	...	44.67	233	180
5.—BANN. Lough Neagh, West. 192 sq. mi.								
D	Seagahan Reservoir	(+ A) Armagh & Dungannon W.W.	IH(23)898379	525	...	46.07	230	168
D	Tynan Abbey .. ..	.. Sir Norman Stronge, Bart.	IH(23)759422	167	34.3	39.01	217	173
D	ARMAGH Observatory	(+ A) Director of Obsy., for M.O.	IH(23)874457	205	33.3	40.91	223	166
d	Richhill (Sandymount) ..	.. Mrs. E. H. Lamb	IH(23)924495	200	32.2	40.02	191	153
D	LOUGHGALL (The Manor House)	.. Plant Breeding Div., Min. of Agric.*	IH(23)907519	91	...	36.98	215	150
DOWN. (Area, 961 sq. mi.)								
1.—CARLINGFORD LOUGH. 104 sq. mi.								
D	Newry (Bridge Street House)	.. C. Blaney, Esq.	IJ(33)082258	23	38.7	39.48	205	165
2.—DUNDRUM & C. 173 sq. mi.								
D	KILKEEL (Coastguard Station)	.. Station Officer, for M.O. ..	IJ(33)315141	59	...	44.71	223	164
d	Newcastle .. ..	.. Alastair Simpson, Esq. ..	IJ(33)377312	10	...	54.89	(234)	(176)
D	Silent Valley (Belfast Waterworks)	.. R. E. D. Bain, Esq., B.A. ..	IJ(33)305210	457	52.8	56.61	258	188
D	Annalong (Belfast Waterworks)	.. R. E. D. Bain, Esq., B.A. ..	IJ(33)355225	435	48.4	57.16	254	191
M	Mourne Mount'ns (Slieve Lamagan)	.. R. E. D. Bain, Esq., B.A. ..	IJ(33)322255	1320	72.1	82.10	...	...
M	Mourne Mount'ns (Lough Shannagh)	.. R. E. D. Bain, Esq., B.A. ..	IJ(33)298259	1280	72.2	77.25	...	...
M	Mourne Mount'ns (Slieve Bearnagh)	.. R. E. D. Bain, Esq., B.A. ..	IJ(33)314279	1954	74.2	73.65	...	...
D	Foffany Reservoir .. ..	.. Engineer, Portadown W.W.	IJ(33)285291	940	...	77.02	237	198
D	Seaforde .. ..	.. Lt.-Col. D. C. Forde ..	IJ(33)402435	180	41.4	51.06	251	188

* Per Govt. of Northern Ireland.

NORTHERN IRELAND—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			Irish grid reference	Altitude		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
DOWN—(contd.)				ft.	in.	in.		
3.—STRANGFORD LOUGH. 260 sq. mi.								
d	Lough Cowey (Waterworks) ..	.. H. S. L. Knight, Esq., C.E.	IJ(33)596545	45	...	40·60	181	145
D	DUNDONALD (Heatherdene) ..	.. W. R. McKibbin, Esq. ..	IJ(33)426728	105	...	43·60	223	168
4.—COAST STREAMS. 47 sq. mi.								
D	Ballywalter Park ..	.. Lord Dunleath ..	IJ(33)620682	50	34·1	42·19	248	165
D	Donaghadee (Orlock Reservoir) ..	.. Resident Engineer ..	IJ(33)561827	23	...	37·51	212	158
5.—BELFAST LOUGH. 206 sq. mi.								
D	Dromara ..	.. Govt. of Northern Ireland ..	IJ(33)289495	400	40·7	51·23	212	177
D	HILLSBOROUGH (Ag. Research Inst.) ..	.. Secretary ..	IJ(33)251577	388	35·4	43·52	232	162
D	Hillsborough (Lisadian) ..	.. W. J. McCann, Esq. ..	IJ(33)219591	217	35·5	42·19	215	166
D	Dundonald (Moyard) ..	.. Dr. F. G. L. Barnes ..	IJ(33)412730	200	36·6	41·57	225	162
D	BELFAST (STORMONT CASTLE) ..	.. Estate Superintendent ..	IJ(33)402748	186	...	43·35	217	163
D	Conlig Reservoir ..	.. Bangor Borough Council ..	IJ(33)499781	213	37·2	44·57	255	171
D	Ballysallagh Reservoir ..	.. Bangor Borough Council ..	IJ(33)455785	245	40·1	47·62	226	168
D	Bangor (Garth House School) ..	.. Miss E. N. Swanson ..	IJ(33)494822	120	34·9	41·96	201	158
6.—BANN. Lough Neagh East. 7 sq. mi.								
7.—BANN. UPPER. 162 sq. mi.								
M	Mourne Mountains (Deers Meadow)	Engineer, Portadown W.W.	IJ(33)260257	1250	...	79·79	...	...
M	Mourne Mountains (Ott) ..	.. Engineer, Portadown W.W.	IJ(33)280272	1500	...	79·20	...	...
D	§Mourne Mountains (Spelga Dam) ..	.. Engineer, Portadown W.W.	IJ(33)263273	1050	...	73·49	244	206
8.—INSULAR. 2 sq. mi.								
ANTRIM. (Area, 1,193 sq. mi.)								
1.—BELFAST LOUGH. 107 sq. mi.								
D	Dunmurry (Lagmore) ..	.. R. E. D. Bain, Esq., B.A. ..	IJ(33)265690	385	44·6	49·43	239	171
D	Belfast (Sewage Works) ..	.. City Surveyor ..	IJ(33)352770	26	37·9	42·31	225	159
D	Belfast (Oldpark Filters) ..	.. R. E. D. Bain, Esq., B.A. ..	IJ(33)323775	203	45·8	52·70	231	195
D	||Carrickfergus (Dorisland) ..	.. R. E. D. Bain, Esq., B.A. ..	IJ(33)386879	271	40·2	48·51	259	188
D	Carrickfergus (Knockagh) ..	.. R. E. D. Bain, Esq., B.A. ..	IJ(33)364880	723	44·2	51·65	263	199
D	Carrickfergus (South Woodburn)	.. R. E. D. Bain, Esq., B.A. ..	IJ(33)371893	640	44·6	50·40	241	195
D	Carrickfergus (North Woodburn)	.. R. E. D. Bain, Esq., B.A. ..	IJ(33)367904	735	48·6	53·67	258	196
D	Carrickfergus (Copeland) ..	.. R. E. D. Bain, Esq., B.A. ..	IJ(33)429916	427	41·6	50·78	242	191
D	Carrickfergus (Lough Mourne)	.. R. E. D. Bain, Esq., B.A. ..	IJ(33)416922	596	44·6	52·81	262	192
2.—GLENARM & C. 186 sq. mi.								
D	Larne (Ballycarry) ..	.. John McClintock, Esq. ..	IJ(33)459949	210	41·6	46·28	214	170
D	Larne (Sallagh Springs) ..	.. H. C. Walker, Esq. ..	ID(34)348049	566	50·3	55·48	273	201

§ Turf wall round gauge.

|| Gauge over-exposed.

NORTHERN IRELAND—(contd.)

STATIONS		AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
			Irish grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
ANTRIM—(contd.)				ft.	in.	in.		
3.—BUSH & C. 193 sq. mi.								
M	Cloughmills (Altnahinch)	.. Ballymoney R.D.C. ..	ID(34)123230	830	...	60.24	...	...
D	Ballycastle (Coolgreany)	.. E. R. Casement, Esq. ..	ID(34)123406	90	41.6	44.51	225	173
D	Portrush	.. Capt. W. R. Shutt, M.C. ..	IC(24)854411	18	...	37.28	205	166
4.—BANN. LOWER. 112 sq. mi.								
D	Toomebridge	.. M. of Finance Lock Keeper*	IH(23)988905	59	36.2	37.75	218	165
5.—BANN. Lough Neagh, East. 590 sq. mi.								
D	Stoneyford (Belfast Waterworks)	.. R. E. D. Bain, Esq., B.A. ..	IJ(33)221701	453	...	48.69	264	184
D	Leathemstown (Belfast Waterworks)	.. R. E. D. Bain, Esq., B.A. ..	IJ(33)214723	534	41.3	48.24	247	180
D	NUTTS CORNER (Belfast Airport)	.. Meteorological Office ..	IJ(33)196776	338	39.0	43.64	225	164
D	ALDERGROVE Airfield	.. (+A) Meteorological Office ..	IJ(33)145801	220	34.7	36.02	219	155
D	Randalstown	.. Old Bleach Linen Co. Ltd.	IJ(33)083907	100	41.2	41.59	236	175
W	Ballyclare (Killylane Res.)	.. F. G. Johnston, Esq. ..	IJ(33)279986	741	49.5	55.68	...	...
D	Ballymena (Harryville)	.. R. Leathem, Esq. ..	ID(34)107028	150	43.4	39.78	244	165
D	Broughshane (Quolie)	.. H. W. Craig, Esq., C.E. ..	ID(34)178128	864	55.8	55.51	254	197
6.—INSULAR. 5 sq. mi.								
LONDONDERRY. (Area, 816 sq. mi.)								
1.—LOUGH SWILLY. 6 sq. mi.								
2.—BUSH & C. 9 sq. mi.								
3.—BANN. LOWER. 240 sq. mi.								
D	Upperlands (Ardara)	.. W. M. W. Clark, Esq. ..	IC(24)874047	250	43.5	45.88	266	188
D	GARVAGH (MONEYDIG)	.. J. Porter, Esq. ..	IC(24)890170	121	42.4	43.11	248	183
D	Coleraine (The Cutts)	.. M. of Finance Lock Keeper*	IC(24)854302	22	40.9	42.57	241	179
D	COLERAINE (Carthall Filter Ho.)	.. Borough Surveyor ..	IC(24)829324	177	...	39.06	204	165
4.—BANN. Lough Neagh, West. 196 sq. mi.								
5.—FOYLE & C. 365 sq. mi.								
M	§Glenedra (Spelhoagh Mountain)	.. Londonderry C.B.C. ..	IH(23)704985	1333	...	68.83	...	...
M	§Glenedra Hill	.. Londonderry C.B.C. ..	IH(23)696992	1333	67.2	68.25	...	...
M	§Glenedra Lodge	.. Londonderry C.B.C. ..	IC(24)705005	950	59.0	64.64	...	...
M	§Glenedra (Altgarrahan Mountain)	.. Londonderry C.B.C. ..	IC(24)711012	1230	...	65.79	...	...
M	§Dungiven (Labbyheige)	.. Londonderry C.B.C. ..	IC(24)723021	1150	59.3	66.45	...	...
M	Altnaheglish (Altabrogy Burn)	.. Londonderry C.B.C. ..	IC(24)701033	967	58.3	62.66	...	...
M	§Altnaheglish (Glack Burn)	.. Londonderry C.B.C. ..	IC(24)707040	967	55.4	61.65	...	...

§ Turf wall round gauge.

* Per Govt. of Northern Ireland.

NORTHERN IRELAND—(contd.)

STATIONS	AUTHORITIES	Rain-gauge site		Average Rain-fall	1958		
		Irish grid reference	Altitude		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
LONDONDERRY—(contd.)			ft.	in.	in.		
5. FOYLE & C.—(contd.)							
D §Dungiven (Banagher Filters) .. ..	.. Londonderry C.B.C. ..	IC(24)670046	373	52.3	55.98	275	209
D Dungiven (Grianan) .. ..	.. A. E. Bunn, Esq.* ..	IC(24)694089	330	44.3	47.63	271	186
D Londonderry (Creggan Reservoir) ..	.. City Surveyor ..	IC(24)415171	325	46.1	46.07	258	199
D Limavady (Drenagh) .. ..	.. Lt.-Col. C. R. McCousland	IC(24)689236	80	37.5	42.87	232	184
TYRONE. (Area, 1,257 sq. mi.)							
1.—ERNE. 46 sq. mi.							
2.—BANN. Lough Neagh, West. 442 sq. mi.							
D Aughnacloy (Sewage Works) .. ..	.. Clogher U.D.C.* ..	IH(23)664519	180	...	37.76	212	161
D Dungannon (Aloha) .. ..	.. Major R. Stevenson ..	IH(23)807614	275	41.2	45.64	235	179
D Dungannon Park .. ..	.. Dungannon Park, Ltd. ..	IH(23)802606	250	40.2	44.76	253	194
D Castlecaulfield (Parkanaur) .. ..	.. Major Y. A. Burges ..	IH(23)739614	250	...	46.88	255	180
D Cookstown (Loughery Agric. College)	J. A. Young, Esq.* ..	IH(23)813743	208	39.5	43.37	228	175
3.—FOYLE. 769 sq. mi.							
D Omagh (Edenfel) .. ..	.. Mrs. F. M. Hammond Smith	IH(23)464719	280	42.8	42.82	230	184

§ Turf wall round gauge.

* Per Govt. of Northern Ireland.



PLATE I

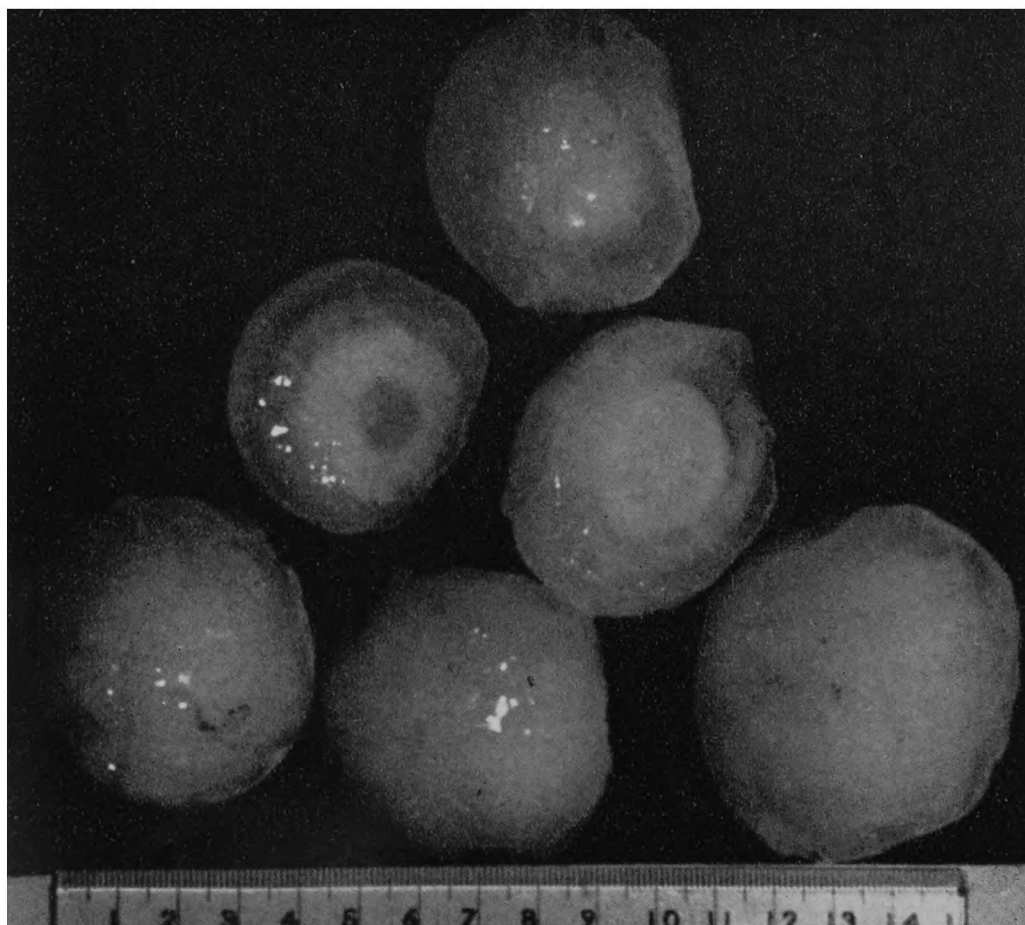


PLATE II



Photograph by G. F. W. Clapp

PLATE III—OAK TWISTED FROM GROUND NEAR BONWYCK'S PLACE FARM



Photograph by G. F. W. Clapp

PLATE IV—PINES TWISTED OFF ABOUT 20 FEET ABOVE GROUND LEVEL



Photograph by G. F. W. Clapp

PLATE V—CORRUGATED IRON WRAPPED AROUND BASE OF TREE

BRITISH RAINFALL 1958

PART III

SNOW SURVEY OF GREAT BRITAIN SEASON 1957-58

The report which follows is the second annual report of the Snow Survey of Great Britain to appear in *British Rainfall*. Previous annual reports, commencing with that for the season 1953-54, were also prepared by the Meteorological Office but were published in the *Meteorological Magazine*. Annual reports for the seasons 1946-47 to 1952-53 were prepared by the British Glaciological Society, from whom the Meteorological Office assumed responsibility for the Survey in 1953, and were published in the *Journal of Glaciology*.

The basic material for this report has been obtained, as in previous years, from returns made by voluntary observers who have provided, month by month, daily records of snowfall and of snow cover within sight. These records, from a network of stations distributed over the country, have been augmented by data extracted from the monthly returns of official weather stations and voluntary climatological and rainfall stations reporting to the Meteorological Office. Without the co-operation of all those responsible for the voluntary observations, this report could not have been prepared in such detail.

The measurements of snow depth in the following pages refer, in general, to 09.00 G.M.T. or thereabouts.

Summary of 1957-58 Season

The total precipitation during the months September 1957-May 1958 inclusive was slightly less than average, sunshine was about

average, and temperatures about average or rather above until December. Temperatures in the remaining months, except for February over England and Wales, were generally below average and March was particularly cold. Data for ten representative stations in Great Britain at altitudes between 400 ft. and 1,200 ft., which have been used for seasonal comparison since the Survey of 1946-47 give for 1957-58 a mean of 27 days with snow lying at the morning observation. This may be compared with a mean of 12 days for the 1956-57 season and an average of 33 days for the 11 seasons 1946-47 to 1956-57. As in 1955-56, most of the snow fell between January and March, falls being most frequent in March in all areas except north Wales, where January had the greatest frequency.

The number of days with snow falling ranged from more than 80 in the Western Highlands to 10 or less along parts of the Channel coast and in small areas around Cardigan Bay. Totals exceeded 60 days over the Cairngorms, 50 over the northern Pennines, and 40 over the Southern Uplands and the Yorkshire Wolds; 30 or more days with snow falling were reported around Lake Vyrnwy, in the mountains of north Wales, in the southern Pennines, the Lincolnshire Wolds, much of East Anglia, parts of the east Midlands and over the North Downs in Kent. The remainder of the North Downs, the Berkshire and Hampshire Downs, large areas of the Midlands, the whole of Wales apart from the coastal plains, Lancashire and the

Lake District, reported 20 days or more with snow falling. Numerous places along the south and west coasts of England and Wales had less than 20 days, and a few areas around Aberystwyth, the Lizard, Portland Bill and St. Catherine's Point reported snow falling on less than 10 days.

The seasonal duration of snow cover in the mountainous regions of Great Britain is summarised in Table 1 and illustrated for a selected number of these regions in Fig. 2. At lower levels the number of days with snow cover decreased southwards from 30 to 40 in the Shetlands and Orkneys, to 10 to 20 days in southern Scotland, and to less than 10 days in coastal areas of Wales and southern England. Parts of the Hebrides, the north coast of Scotland, and eastern coastal districts of Scotland and England as far south as Suffolk, had between two and five times the average number of days with snow lying. On the other hand the number of days with snow lying in parts of the Southern Uplands and much of the high ground in Wales was well below average.

Notes on the months

September was cool, cloudy and rather wet. Snow and sleet showers occurred around the middle of the month in northern Scotland and also in a few places in north-west England and north Wales. Further snow showers were reported from northern Scotland on the 28th–30th and isolated snow showers also affected the north-east of England on the 30th. Snow lay for a few days on ground above 2,000 ft. in the north of Scotland where a little snow from the previous winter still lay in the sheltered corries in the highest parts of the Cairngorms.

October was dry over England and Wales and rather wet over Scotland, but temperatures were generally above average and snowfall consequently slight. No snow was reported in England and the only snow in Wales occurred late in the month, when a light sprinkling was reported at about 1,800 ft. in Radnor Forest. In Scotland there was very

little snow until the second half of the month, and it was then confined to northern districts, where it occurred in the form of showers. Snow was reported at near sea-level on ten days in the Shetlands, on five days in the Orkneys, and on two days in Ross-shire. Little snow settled below 1,500 ft. and even at the highest levels snow cover was intermittent and at times lasted for a few hours only.

November was generally dry, with mean temperatures about or slightly above average, although the first half of the month was rather cool. Snow fell in many parts of Scotland between the 1st and the 9th and lay for two to three weeks at heights of 3,000 ft. in the north. During this period the snow line came down to 1,000 ft. at times and to 500 ft. on the Isle of Skye on the 1st. Snow was reported in Snowdonia on the 2nd, 4th and 7th and there was a continuous snow cover from the 2nd to the 11th at 3,000 ft. and above. The snowfall of the 4th also affected many parts of northern England, including the Lake District, parts of Yorkshire, and north-east England, where further slight snow occurred on the 9th. Snow showers developed in many areas around the 20th as a cold northerly airstream spread over the British Isles, but very little snow settled except in coastal areas of north Scotland, over the Yorkshire Wolds and over ground above 2,000 ft. in other parts of Scotland and northern England.

December was changeable, with temperatures and sunshine slightly above average. It was rather dry over England and Wales but precipitation was above average in Scotland. There was very little snow over England and Wales, but in the north of Scotland snow fell on 11 days in parts of Ross and Cromarty and on 15 days at relatively low levels in the Orkneys. Some snow occurred in most areas between the 6th and 11th, with the heaviest falls of the month on the 10th or 11th. More than 10 hours of continuous snow were reported from parts of south and central Scotland on the 10th, where level falls of 6 to 8 in. were recorded at elevations of about 500 ft. Snow drifted heavily in strong to gale

force easterly winds, and drifts of 5 to 7 ft. were reported from the Lammermuir Hills. At Margbeg, to the south of Loch Tay, drifts of 3 to 4 ft. quickly thawed on the 12th and some flooding ensued. Further south the snowfall was of shorter duration and the thaw came on the 11th, but meanwhile level falls of 2 to 3 in. had occurred in Yorkshire, and snow ploughs were required to clear drifts over the Wolds. Cold easterly winds which on the 12th were confined to the north of Scotland, gradually spread southwards again over England and Wales during the next few days. Slight sleet and snow showers developed in many areas, notably in the Midlands and eastern England, with snow as far south as the Kent coast on the 15th. The first snow of the winter over the higher parts of Exmoor and Dartmoor fell about this time and a thin covering persisted for a few days on ground above 1,500 ft. in the latter area. Further slight snow showers occurred in Scotland around the 20th and again from the 23rd to 25th, but amounts were small and little snow settled over low ground. After a day or two of rather mild unsettled weather a cold north-westerly airstream reached Scotland on the 27th and spread to all areas late on the 28th, bringing scattered snow showers to the north of Scotland. Much colder air spread south-eastwards over Scotland on the 29th and the showers became more frequent in the north, while a small depression moving quickly eastwards brought more general snow to north-east England and parts of south Scotland on the 30th and 31st. However, no great depths of snow accumulated and there was little drifting. Nevertheless, there were reports of level falls of 3 to 4 in. at relatively low altitudes in parts of the North and East Ridings of Yorkshire.

January was another very changeable month. Total precipitation was very near to the average and sunshine rather above average, but mean temperatures were slightly below average. Weather was wintry for about a week commencing on the 18th—temperatures were below freezing day and night in some

districts for several days and there were severe frosts at night with temperatures falling below 0°F. in some places. There was snow in most districts except southern England during the early part of the month. Precipitation was generally in the form of showers, and the heaviest falls occurred in the north and east of Scotland and in north-east England, where depths of 5 in. and more were reported at heights of 500 ft. in Yorkshire. After milder weather on the 4th cold air spread south-eastwards on the 5th and persisted for two days. Snow showers occurred as far south as the Midlands but were largely confined to ground above 500 ft. A depression centred near north-west Scotland on the 8th moved into the southern North Sea, where it became stationary. Slight snow showers developed in many areas as the cold northerly airstream became established over the British Isles, although few showers occurred in north-west and south-east England. Areas as far south as Dorset and Devon were affected by the showers and snow lay on Dartmoor for 3 days at a height of 1,200 ft. The very cold spell in mid-month developed as a direct outbreak of arctic air reached north Scotland on the 18th and the south of England on the 19th. There were snow showers in all areas and small disturbances moving southwards over the country gave rise to periods of more continuous snow, while a small depression moving eastwards along the Channel gave continuous snow in parts of south and south-east England. Snow accumulated to a depth of 3 to 6 in. in many low-lying areas of Scotland, northern England, the Isle of Man, Wales and parts of south-east England, with depths of 1 to 2 in. in most other areas. Level falls of 16 in. were reported at near sea-level in Ross-shire and strong northerly winds between the 18th and 21st caused severe drifting in northern districts of Scotland, drifts of 4 to 5 ft. being reported on the 21st from the Orkneys and the northern counties of the mainland. Late in the cold spell, on the 24th, snow was reported lying to a depth of 8 to 10 in. in parts of south-east Essex and in

Sussex. On the same day milder air reached the south-west of England and spread slowly north-eastwards to all parts of Great Britain by late on the 25th, preceded by a little snow over high ground. There was a quick thaw of snow lying over the lower ground and the snow line receded to 2,500 ft. in Snowdonia, the Pennines and Scotland.

February was wet and changeable and still rather cool in the north, but milder in the south, where mean temperatures were slightly above average; there were three distinctly cold spells commencing about the 5th, 16th and 25th, each lasting a few days only, although there was very little break between the last two spells in the north and east of Scotland. The first few days of the month were generally mild except in the extreme north where snow showers were reported from the Orkneys and Shetlands. Cold northerly winds brought snow showers to northern districts on the 5th and the showers reached the south the following day. Snow showers continued in most parts of the country during the next few days but amounts of snow were very small in the Midlands and south-east England. A depression centred off south-west Ireland on the evening of the 7th moved north-eastwards across southern Scotland and into the North Sea on the 8th. Snow fell in most areas and accumulated to a depth of 2 to 4 in. at stations near sea-level in parts of south-west England, the Midlands and Wales. Level falls of 6 to 8 in. were reported at about 1,000 ft. above sea-level in central and north Wales, with drifts 4 ft. deep. In northern England and Scotland the greatest snow depths were measured late on the 8th or early on the 9th, after which the rapid thaw which had reached southern districts on the 7th cleared most snow lying below about 2,500 ft. Strong easterly winds in these areas on the 8th gave rise to heavy drifting and drifts of about 10 ft. were reported at about 1,000 ft. in the Lowthers and Grampians. At the same time there were level falls of 12 in. or more at about 500 ft. in the Lake District, Renfrewshire, and Inverness-shire. A depth of 21 in. of level snow was

measured at Lanehead, Durham, 1,441 ft., on the following day. After a few days of unusually mild weather with widespread, heavy rain, cold northerly winds and snow showers spread southwards over the country on the 16th. There was a temporary cessation of shower activity in most southern districts after the 18th but by the 21st or 22nd snow showers were again reported in most areas except the extreme south-west. Mild air spread very slowly north-eastwards on the 23rd and 24th, preceded by a little snow over the Midlands, northern England and southern Scotland. Further north the snow showers continued and were heavy in places. The mild air receded rapidly south-westwards late on the 24th when strong to gale north-easterly winds developed over the British Isles as a depression moved quickly eastwards across southern England into the Continent. Heavy snow fell in many areas including north and east Wales, the north and east Midlands, eastern England and south-east Scotland. On the morning of the 25th a number of observers in Yorkshire, southern Lancashire and north Wales, reported snow lying to a depth of 12 in. at elevations of 500 ft. to 800 ft., whilst on the same morning there was a level fall of 16 in. at Rotherham, Yorkshire (213 ft.). Drifts of 3 to 5 ft. were common in these areas, with some 10 to 15 ft. deep in parts of south Lancashire and 6 to 10 ft. deep as far south as the Dunstable Downs. Snow showers gradually died out as warmer air spread slowly south-east, but continued in the extreme south-east of England until the 27th. The snow lying in the eastern half of the country was rather slow to clear and patches in areas of heavier drifting persisted at relatively low altitudes until the early days of March.

March was very cold and dry. The second and third weeks were the coldest, and during this period the mean temperature at many places in the Midlands and north-east England was as much as 10°F. below average. Snow occurred in most areas between the 5th and 12th, with further snow in most

northern and eastern districts on the 13th and 14th, and from the 18th to 24th. The month opened with slight rain and drizzle on the 1st and after a few mainly dry days a cold northerly airstream spread southwards on the 5th and 6th. Temperatures fell progressively as this airstream persisted until the 11th and there were widespread snow showers throughout the period, with more general sleet or snow in many districts on the 12th and 13th as a depression moved east-south-eastwards across northern England. Strong winds on the 7th and 8th caused heavy drifting in parts of Scotland and north-east England. Snow depths were generally small in East Anglia and southern England, but falls accumulated to a depth of 3 in. in parts of the north and east Midlands. A level depth of 5 in. was measured at Whipsnade, Bedfordshire, 720 ft., on the morning of the 9th and some patchy snow lay in this area until the 27th. Snow depths of 6 in. to 8 in. were reported at heights of 500 ft. and above in Merionethshire and Caernarvonshire, but falls were generally lighter in south Wales. Some of the heaviest falls of the period occurred over the Yorkshire Moors, where at Kildale, 575 ft., a level fall of 27 in. was reported, with drifts up to 5 ft. At 1,300 ft. snow lay to a depth of between 36 in. and 42 in. In this area, too, patches of snow persisted until the end of the month. Heaviest falls in Scotland were in the north and west. A level fall of 15 in., with drifts of 4 ft., was reported from near sea-level at Glenbrittle on the Isle of Skye on the morning of the 11th, whilst, at Drummuir, Banffshire, 500 ft., there was 11 in. of snow lying late on the 13th. Snow lay in the latter area from the 5th until the 28th. An anticyclone developed over the northern North Sea on the 14th and cold easterly winds persisted over much of Great Britain until the 24th. A trough of low pressure which made a limited penetration into south-western districts on the 16th gave heavy rain in this area, with some sleet and a little snow over the hills, but the snow did not settle. From then on until the 24th the weather was generally dry with only very well

scattered light snow showers. Subsequently warmer air spread very slowly north-eastwards to all areas except north-east Scotland, Orkney and Shetland, preceded by light snow in Scotland and north-east England on the 29th.

April was dry with mean temperatures rather below average in spite of rather warm weather during the last two weeks. Winds were mainly between south-east and east for the first few days of the month. A small depression centred off the Lincolnshire coast at noon on the 3rd moved south-westwards across England on the 3rd and 4th, and a second depression followed a similar track some 24 hours later. There was snow in most districts on the 3rd and 4th and snow showers continued over England and Wales on the 5th and 6th. Appreciable depths of snow were reported in eastern districts from the 3rd to the 5th, but although snow occurred over higher ground in the west, including Dartmoor, little snow settled in western districts. Snow depths of up to 6 in. were reported on the 5th (Easter Saturday) from Surrey, and falls of the same order occurred over relatively low ground in the North Riding, but the Yorkshire Moors appear to have escaped any large falls. Heavy falls were reported from south-east Scotland, where snow reached a depth of 8 in. at altitudes of 700 ft. to 1,000 ft. in East Lothian, to give the heaviest fall of the winter. Further north, in Perthshire, snow drifts of 10 ft. to 12 ft. were reported at heights of around 1,400 ft., and by the morning of the 4th snow had accumulated to a level depth of 12 in. at Derry Lodge, Aberdeenshire, 1,400 ft. The easterly winds over Great Britain on the 5th gradually backed to the north and there were sleet or snow showers in many northern districts on the 8th and 9th, but no heavy falls were reported. A small depression moved quickly south-south-eastwards across Northern Ireland and extreme south-west England on the 10th and brought heavy rain to Devon and Cornwall and a little sleet or snow to the hills of Wales and south-west England. Meanwhile a few scattered snow showers

continued in the Midlands, east and south-east England. Rather cold easterly winds were re-established behind the depression and persisted in the south until the 14th by which time another outbreak of very cold air had reached Scotland and subsequently spread south to all areas. Snow showers occurred as far south as the north Midlands on the 15th and 16th, but by the 17th were confined to north Scotland. Mild air then spread from the Atlantic to all parts of Great Britain. A cooler west to north-west airstream was established over the country on the 24th and 25th and there were a few snow showers over the higher ground in Scotland, northern England and north Wales during the next two days, but little snow settled. The month closed with fine warm weather and by the 31st the only snow lying was in the Cairngorms and Grampians at heights of 3,000 ft. and above.

May was cool, changeable and wet. The first day of the month was warm with temperatures reaching 65° to 70°F. in many places, but cold air reached north Scotland early on the 2nd and spread south to all areas except south-west England by mid-day on the 3rd. Small depressions moved eastwards over Scotland on the 4th and 6th, and there was a little snow at heights of 500 ft. and above, but very little snow settled at any level. Warmer air spreading north-eastwards over the country on the 7th was preceded by some snow at heights of 1,500 ft. to 2,000 ft. in the moun-

tains of north Scotland. Colder air again spread to Scotland on the 8th and to all areas by the 11th, persisting until the 13th. There were scattered snow showers in parts of north and west Scotland, north-west England and north Wales, but snow did not settle below 1,500 ft., even in the north. Depressions moved eastwards across England and Wales on the 14th and early on the 16th. Strong northerly winds developed in the rear of the second depression as it deepened appreciably, and there were snow showers in the north of Scotland. Very disturbed weather followed, and during rather frequent spells of cold west to north-west winds there were snow showers over the mountains of Scotland on most days between the 19th and 25th. Rather cool, wet weather persisted until the end of the month, but little snow was reported. By the end of the month the snow line had gradually receded to about 3,000 ft. in the Cairngorms and over Ben Nevis, with the mountain ranges further south completely clear of snow.

Diagrams showing the distribution of snow cover relative to height for 11 areas are given in Fig. 1. They are based very largely upon the reports received from the relevant stations given in Table 1. On a small number of occasions it was found necessary to supplement these reports with those from other stations in the same area, although it has not been possible to include the names of those additional stations in the table.

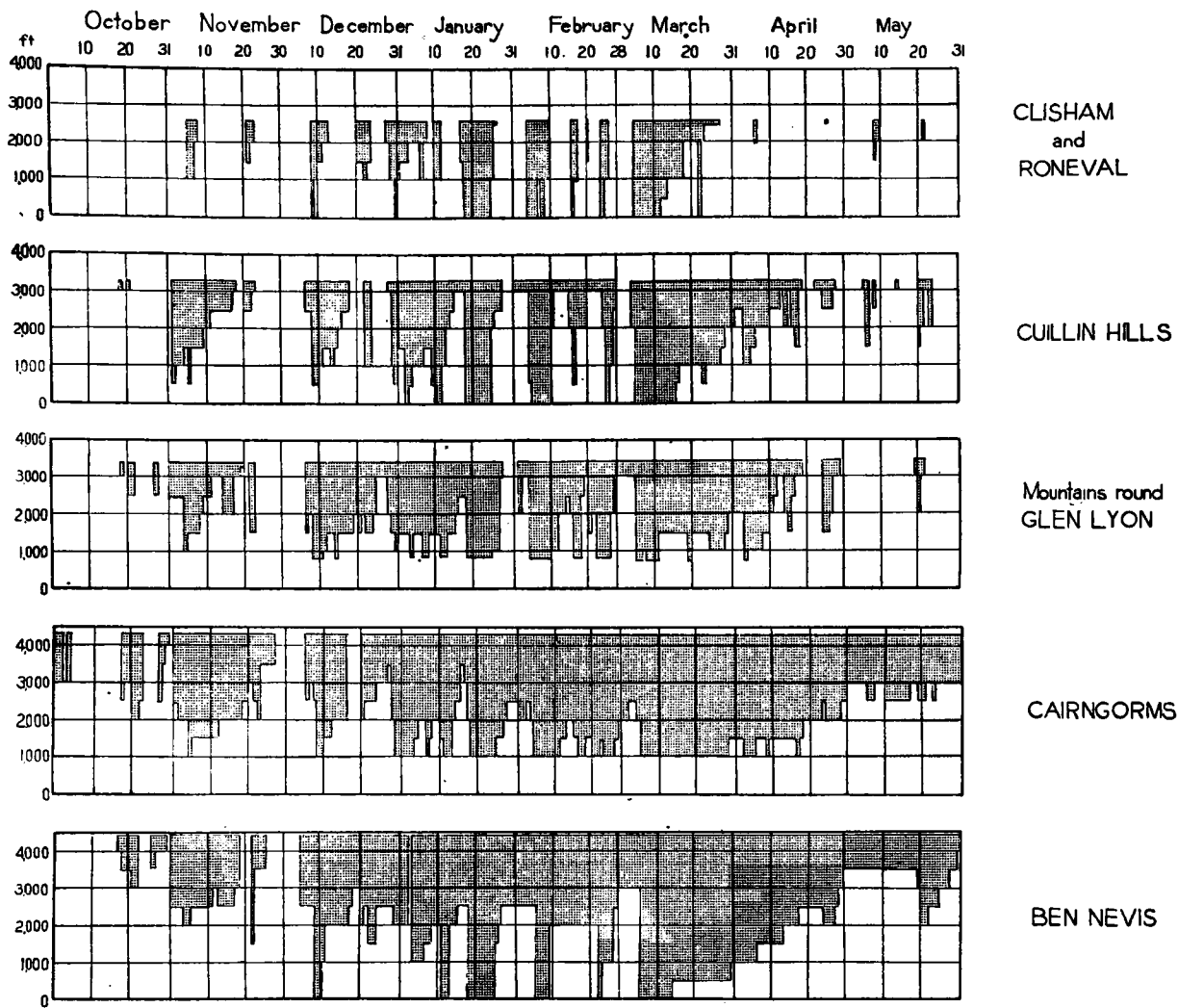


Fig. 1. DISTRIBUTION OF SNOW COVER IN RELATION TO HEIGHT
SCOTLAND

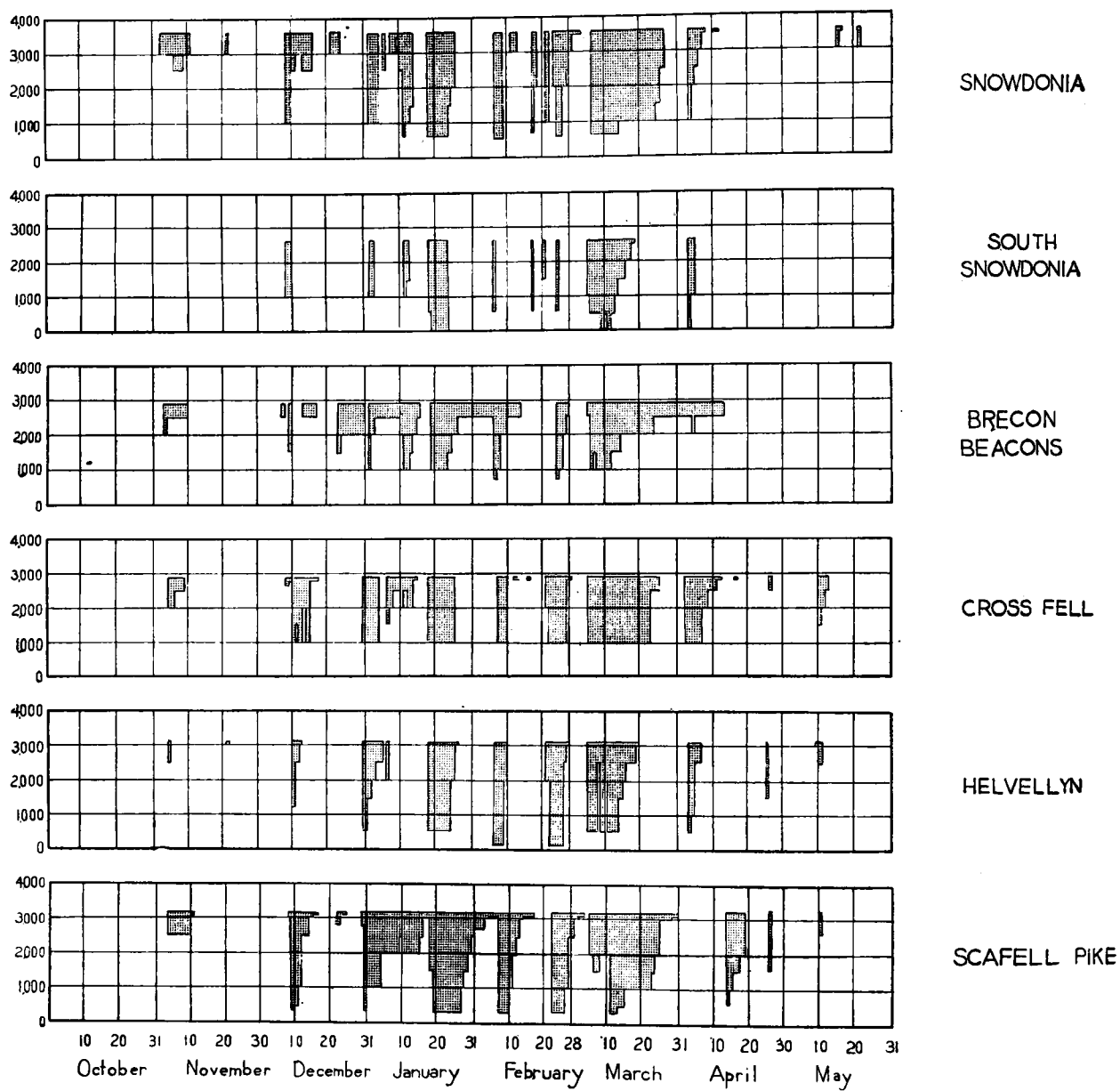


Fig. 1. (cont.) DISTRIBUTION OF SNOW COVER IN RELATION TO HEIGHT
ENGLAND AND WALES

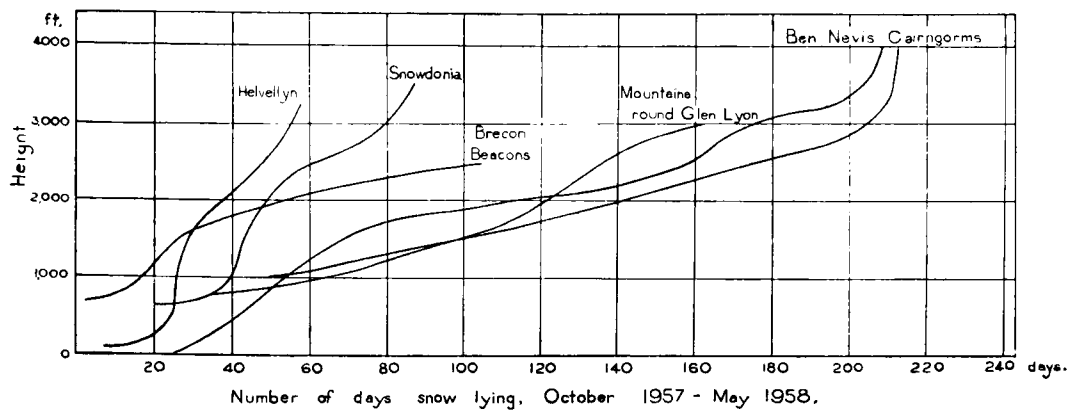


Fig.2. SEASONAL DURATION OF SNOW COVER.

Table 1. Number of days with snow lying in the British Mountains
 (a) near summit; (b) at about 2,500 ft.; (c) at station level

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Season
Clisham and Roneval (2,622 ft.)	a } 0	5	12	20	11	23	2	3	76
Station: Leverburgh, Harris	b } 0	0	2	7	6	8	0	0	23
Inverness-shire (25 ft.)	c } 0	0	0	9	6	11	0	0	26
Cuillin Hills (3,309 ft.)	a 2	20	17	28	28	26	25	8	154
Station: Glenbrittle, Skye	b 0	18	16	25	16	26	19	5	125
Inverness-shire (30 ft.)	c 0	0	0	9	6	11	0	0	26
Mountains round Glen Lyon (3,407 ft.)	a 4	22	25	28	27	31	24	3	164
Station: Meggernie Castle (760 ft.)	b 3	16	22	27	23	26	18	1	136
Perthshire	c 0	0	4	12	12	6	1	0	35
Cairngorms (4,296 ft.)	a 12	27	22	31	28	31	30	31	212
Station: Achnagoichan (1,000 ft.)	b 5	22	17	29	28	31	30	12	174
Inverness-shire	c 0	1	4	13	14	24	5	0	61
Ben Nevis (4,406 ft.)	a 10	22	27	30	28	31	30	31	209
Station: Corpach (30 ft.)	b 0	17	25	30	28	26	28	5	159
Inverness-shire	c 0	0	2	9	5	8	0	0	24
Snowdonia (3,560 ft.)	a 0	10	11	19	13	24	7	3	87
Station: Capel Curig (640 ft.)	b 0	3	6	16	11	21	3	0	60
Caernarvonshire	c 0	0	0	7	6	8	0	0	21
South Snowdonia (2,527 ft.)	a } 0	0	2	10	4	14	2	0	32
Station: Llanfrothen (475 ft.)	b } 0	0	0	6	3	7	1	0	17
Merionethshire	c } 0	0	0	6	3	7	1	0	17
Brecon Beacons (2,906 ft.)	a 0	7	14	27	18	26	13	0	105
Station: Tairbull (660 ft.)	b 0	7	14	27	18	26	13	0	105
Brecknockshire	c 0	0	0	0	2	0	0	0	2
Cross Fell (2,893 ft.)	a 0	5	11	21	12	22	13	3	87
Station: Alston (1,070 ft.)	b 0	5	6	20	9	21	10	3	74
Cumberland	c 0	0	4	12	8	18	5	0	47
Helvellyn (3,118 ft.)	a 0	2	4	15	12	15	5	2	55
Station: Patterdale (530 ft.)	b 0	1	3	14	10	14	5	1	48
Westmorland	c 0	0	1	8	7	7	1	0	24
Scafell Pike (3,210 ft.)	a 0	8	14	31	23	30	7	2	115
Station: Windermere (350 ft.)	b 0	7	6	29	12	21	7	1	83
Westmorland	c 0	0	2	8	7	2	1	0	20

Potential Evaporation Measurements

by

F. H. W. Green, M.Sc. (Nature Conservancy)

General

The tables which follow, and which are now presented in *British Rainfall* for the first time are the result of an attempt to make standardized observations of potential evaporation—or, more strictly, potential evapo-transpiration—at a number of different localities in the British Isles. As in the case of all meteorological elements or parameters, some more or less arbitrary standardization of exposure is necessary in order that values in different localities may legitimately be compared one with another. Accordingly it was decided that sites should conform to the usual conditions obtaining at climatological reporting stations in this country. Particular attention was in addition paid to homogeneity of the grass sward in the immediate neighbourhood of the station. This becomes of particular importance during warm, dry weather, when—unless a high water table or artificial irrigation counteracts it—the so-called “oasis effect” is liable to give unrealistically high rates of evaporation from the soil-filled “field tank”, which is, at most of the sites, of only 22 in. diameter. In fact, at none of the sites tabulated, was the “oasis effect” of any significance in 1958.

Principle employed

The technique has been discussed elsewhere (e.g., Green 1959), but the bare essentials of the “remainder method” employed is shown by the equation:

$$PE = R + A - N;$$

where PE = Potential evapo-transpiration, R is Rainfall, A is irrigation water added, and

N is the amount of percolate. So long as the “oasis effect” is not operative, the accuracy of the PE values determined in this way is dependent almost entirely on the accuracy of measurement of R , since A and N can be measured accurately without difficulty. Particular attention must therefore be given to exposure of the rain-gauge, and it has been found desirable at some sites to have a special rain-gauge with the rim at ground level instead of 1 foot above the ground (see, for example, Stanhill 1958, Winter and Stanhill 1959 and Bleasdale 1959). Values of R are most open to doubt in wet and windy weather (and, especially during snowfall); in the British Isles this is mainly in the west, in winter, and not therefore during periods when the differences between PE and R are critical, and of most practical importance.

When PE is measured in this manner, it is possible for many purposes to circumvent the difficulties caused by inaccurate measurement of R . If R is subtracted from PE , these errors are eliminated, and the resultant values of Potential Water Deficit (PWD) if positive and of Potential Water Surplus (PWS) if negative, may be considered reliable. The major source of error is eliminated thus:

$$\begin{aligned} PWD \text{ (or } PWS) &= PE - R \\ &= (R + A - N) - R \\ &= A - N \text{ (so long as } N \text{ is} \\ &\quad \text{greater than zero,} \\ &\quad \text{which is ensured} \\ &\quad \text{by the routine of} \\ &\quad \text{daily} \\ &\quad \text{observations.)} \end{aligned}$$

PWD and PWS can be determined by

calendar months, as has been done in the tables, as this is sufficient for many purposes, but it is better to work them out by *wet* and *dry* spells (a *wet* spell is when R exceeds PE , and a *dry* spell is when PE exceeds R) except for winter months, when PE is in many cases too small for this procedure to be worthwhile.

In the simple equations given above, differences in the amount (S) of water stored in—or in transit through—the field tank, from one day to another, have been omitted. Such difference cannot, of course, be neglected. If, for instance, there has been heavy rain

during the last day of a month, which has not percolated through until the first day of the next month, the result would be to raise the apparent value of PE in the first month's total, and to depress it in the second. Apportionment of the amount that should be credited to the respective months is easily achieved by simple graphical or statistical methods. The simplest method is explained fully by the author elsewhere (Green, 1960).

An example of the effect of allowing for differences in storage is provided by the following figures for Prabost:

	Sept. 1958	Oct. 1958	Nov. 1958
	<i>in.</i>	<i>in.</i>	<i>in.</i>
A. Without allowing for difference in storage .	1.9	0.3	0.1
B. Allowing for difference in storage	1.6	0.4	0.3

Comparison with computed values

Comparison over several years, of the observed values of PE , with values obtained by Penman's, Thornthwaite's, Crowe's and Holdridge's formulae, show that all methods except Thornthwaite's (which is commonly, but not

always, higher than others) give *annual* totals within about 10 per cent of each other, but the variation in individual months is considerably greater than this.

The following figures for Aberystwyth (College Field) illustrate this:

PE in 1958

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
Observed	0.2	0.3	1.5	1.9	2.5	2.2	2.6	2.7	2.3	1.0	0.7	0.6	17.9
after Penman	0.1	0.6	0.3	1.5	2.6	2.6	2.5	2.0	1.4	1.0	0.3	0.1	15.6
„ Crowe	0.5	0.7	1.4	2.1	2.9	3.6	3.1	3.0	1.8	1.1	0.7	0.4	21.3
„ Thornthwaite..	0.7	0.9	0.8	1.8	2.7	3.5	4.1	3.7	3.2	2.0	1.1	0.8	25.3
„ Holdridge*	0.7	0.8	0.8	1.5	2.9	3.5	3.8	3.8	3.1	2.0	1.1	0.8	24.8

* With correction for day-length.

One concludes that Crowe's and Holdridge's method (the latter corrected for variations in day length) are quite suitable for many practical purposes, but Penman's formula unfortunately requires so many measurements of other meteorological elements, which are

by no means everywhere available, that it may sometimes be preferable to measure PE direct.

Notes on the Sites

The largest group of sites where observations were made in 1958 were in National

Table I. Potential Evaporation and Rainfall 1958—(contd.)

		Achnagoichan	Lossiemouth	Kinlochave	Prabost	Kinloch, Isle of Rhum	Moor House	Swyddfynon	Slaidburn	Aberystwyth	Wellesbourne	Eskdalemuir
June.....	<i>PE</i>	2.6	3.3	2.2	2.7	2.8	(2.0)	2.0	2.13	2.2	3.35	2.55
	<i>R</i>	1.8	2.6	2.4	1.8	2.8	4.4	4.1	4.01	4.8	4.19	3.73
	<i>PWD</i>	0.8	0.7	...	0.9	...	...	...	...	...	...	...
	<i>PWS</i>	...	...	0.2	...	...	(2.4)	2.1	1.88	2.6	0.84	...
	<i>ETL</i>	...	...	...	...	...	...	...	...	...	2.49	...
July	<i>PE</i>	2.1	3.6	2.5	2.7	2.6	2.3	1.9	2.72	2.6	2.83	3.20
	<i>R</i>	5.1	3.1	2.6	2.1	2.2	6.0	5.2	4.15	5.7	2.64	6.69
	<i>PWD</i>	...	0.5	...	0.6	0.4	...	...	...	...	0.19	...
	<i>PWS</i>	3.0	...	0.1	...	...	3.7	3.3	1.43	3.1	...	...
	<i>ETL</i>	...	...	...	...	...	...	...	...	...	3.81	...
August	<i>PE</i>	1.4	2.7	1.6	2.2	2.0	2.0	0.9	2.45	2.1	2.38	2.11
	<i>R</i>	4.4	3.0	5.4	4.4	6.8	5.5	4.9	6.07	4.3	3.37	6.05
	<i>PWD</i>	...	...	...	...	...	...	...	...	...	...	...
	<i>PWS</i>	3.0	0.3	3.8	2.2	4.8	3.5	4.0	3.62	2.2	0.99	...
	<i>ETL</i>	...	...	...	...	...	...	...	...	...	2.80	...
September	<i>PE</i>	1.9	1.7	1.7	1.6	1.1	1.8	1.3	2.23	2.3	2.23	1.67
	<i>R</i>	1.8	1.1	3.5	6.0	8.7	7.0	8.3	6.28	9.1	3.48	6.11
	<i>PWD</i>	0.1	0.6	...	...	...	...	...	...	...	...	...
	<i>PWS</i>	...	...	1.8	4.4	7.6	5.2	7.0	4.05	6.8	1.25	...
	<i>ETL</i>	...	...	...	...	...	...	...	...	...	2.17	...
October	<i>PE</i>	0.7	0.8	0.7	0.4	0.3	1.2	0.3	1.42	1.0	0.41	0.66
	<i>R</i>	2.6	1.6	10.5	9.0	10.6	8.1	4.9	5.48	4.0	2.37	4.69
	<i>PWD</i>	...	...	...	...	...	...	...	...	...	...	...
	<i>PWS</i>	1.9	0.8	9.8	8.6	10.3	6.9	4.6	4.06	3.0	1.96	...
	<i>ETL</i>	...	...	...	...	...	...	...	...	...	0.86	...
November	<i>PE</i>	0.4	0.4	0.0	0.3	0.1	0.7	0.0	0.39	0.7	0.24	0.09
	<i>R</i>	0.9	0.9	2.7	4.2	6.4	1.8	4.8	2.12	4.1	2.42	2.13
	<i>PWD</i>	...	...	...	...	...	...	...	...	...	...	...
	<i>PWS</i>	0.5	0.5	2.7	3.9	6.3	1.1	4.8	1.73	3.4	2.18	...
	<i>ETL</i>	...	...	...	...	...	...	...	...	...	0.34	...
December	<i>PE</i>	0.5	0.4	0.4	0.4	0.4	0.4	0.2	0.20	0.6	(0.18)	0.05
	<i>R</i>	3.3	1.9	5.9	4.3	7.5	6.1	4.6	4.72	2.5	2.10	5.39
	<i>PWD</i>	...	...	...	...	...	...	...	...	...	...	...
	<i>PWS</i>	2.8	1.5	5.5	3.9	7.1	5.7	4.4	4.52	1.9	(1.92)	...
	<i>ETL</i>	...	...	...	...	...	...	...	...	...	0.04	...
Year	<i>PE</i>	15.0	17.6	12.5	14.8	12.3	14.6	13.4	18.81	17.9	18.67	15.86
	<i>R</i>	29.6	21.2	65.7	61.6	81.0	70.1	55.6	59.64	48.1	29.71	55.04
	<i>PWD</i>	0.9	2.3	0.0	1.5	0.4	0.0	1.6	0.00	1.5	2.80	...
	<i>PWS</i>	15.5	5.9	53.2	48.3	69.1	55.5	43.8	40.83	31.7	11.76	...
	<i>ETL</i>	...	...	...	...	...	...	...	...	...	18.17	...

(Note: The rainfall amount is italicised in those months when *PE* exceeded *R*.)

(Observations at Eskdalemuir are from a Class A Evaporation Pan.)

Table II. Station Information

(1) *Nature Conservancy and Allied Stations*

Station	Observer	National (or Irish) Grid Reference	Height a.o.d. (ft.)
Achnagoichan	A. G. MacDonald	NH 913082	c. 1,000
Lossiemouth	Senior Meteorological Officer, R.N. Air Station	NJ 211701	c. 15
Kinlochave	J. Polson	NH 024630	c. 80
Prabost	Mr. and Mrs. R. M. Murray	NG 422497	c. 200
Kinloch, Isle of Rhum	P. Wormell	NM 402996	c. 15
Moor House	M. Rawes	NY 758328	c. 1,830
Swyddffynnon	Mr. and Mrs. R. M. Kydd	SN 696655	c. 570

(2) *Other Stations*

Station	Authority	National Grid Reference	Height a.o.d. (ft.)
Slaidburn	Fylde Water Board	SD 715549	c. 630
Aberystwyth	University College of Wales	SN 590814	c. 20
Wellesbourne	National Vegetable Research Station	SP 271565	c. 150
Eskdalemuir	Meteorological Office	NT 235026	c. 790

Observations given with acknowledgments to authorities named.

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 p. 367.

Storms of 5 September, 1958

By

E. H. Rowsell, B.Sc.

The following paper was first published in the *Meteorological Magazine* for October 1960 (Vol. 89, No. 1,059, pp. 252–257) together with: “The Horsham Hailstorm of 5 September 1958” by F. H. Ludlam, D.Sc. and W. C. Macklin, M.Sc. and a third: “The Thunderstorms of 5 September 1958—Lightning Discharges and Atmospheric” by F. Horner, M.Sc., M.I.E.E.

Two extracts describing the storm in the Horsham area and the characteristics of the hailstones are given as an appendix to amplify the information given in the main paper by Miss E. H. Rowsell. Two plates are reproduced from Dr. Ludlam’s paper, one showing hailstone damage to windows, the other, large hailstones collected during the storm. Dr. Ludlam’s paper also gives a description of the synoptic situation in north-west Europe just prior to and during the storm.

Introduction.—The remarkable storms that affected south-east England on the evening of September 5, 1958 were amongst the most severe ever known in that area and extensive damage was caused by hailstones, tornado winds and extremely heavy rainfall. The overall distribution of rainfall and hail, the track and effects of the tornado and accounts of storm damage are discussed in the present article; a more detailed account of the distribution of hailstone sizes in the Horsham area, together with an account of the synoptic situation and descriptions of the sferic activity, are given in other articles in the *Meteorological Magazine* for October 1960.

We acknowledge with thanks replies to our letters from some 750 rainfall observers. The information they sent has been tabulated and

mapped, thus forming the basis of this article. A map showing tornado tracks together with photographs and notes of severe damage were supplied by Mr. G. F. W. Clapp of the London Forecasting Office.

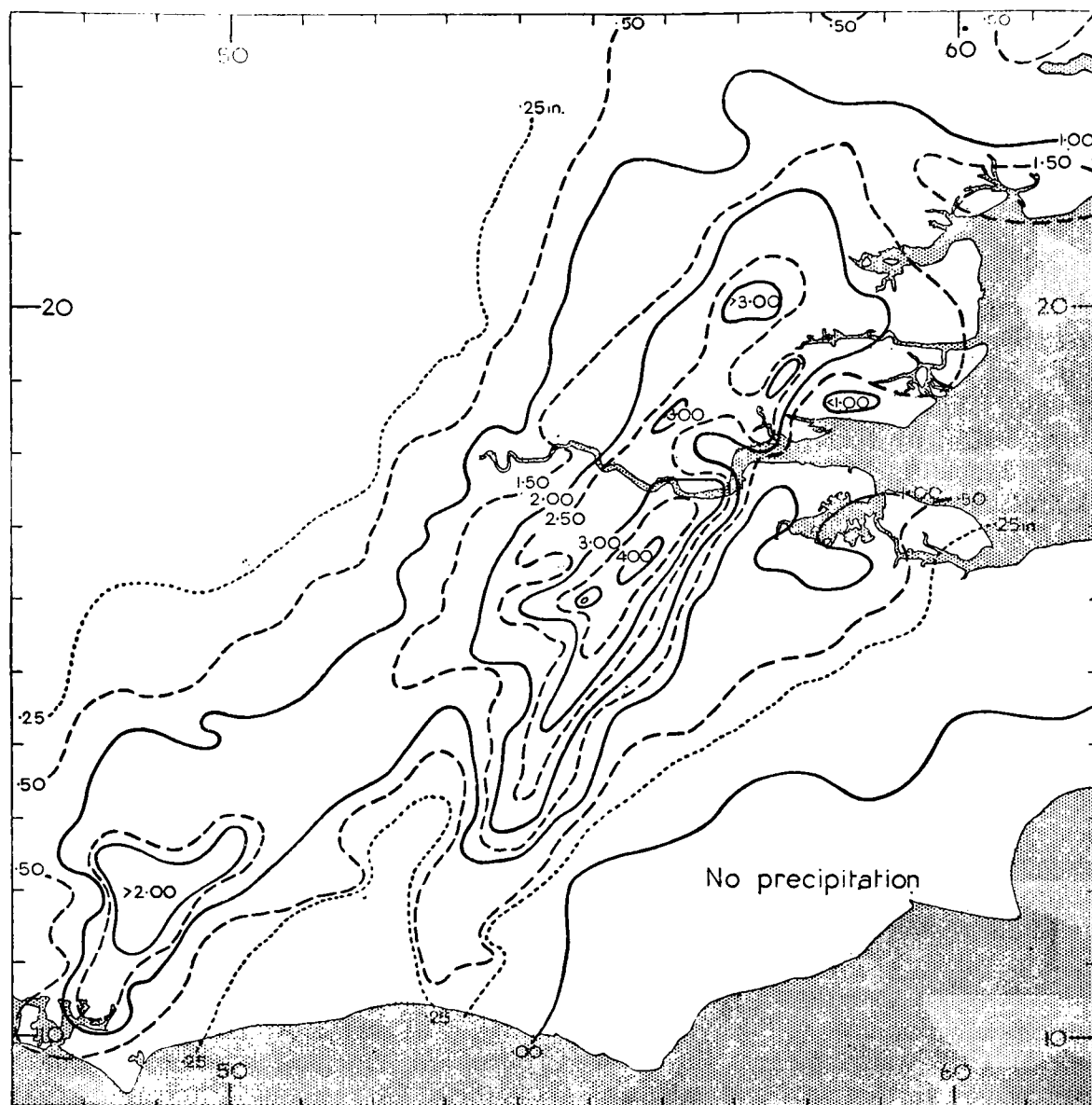
Distribution of rainfall in time.—Two major storm-tracks were apparent and it should be noted that the times given are of the onset of rain and will differ from times quoted elsewhere for maximum intensity of electrical activity.

1. The first storm approached the Isle of Wight about 1300 GMT and moved north-eastwards. Heavy rain began at Portsmouth about 1530, Petersfield about 1600, Guildford about 1700, south London about 1800, Chelmsford after 1900, Colchester at 2030 and over the Stour estuary at 2100 GMT.

2. The second storm brought heavy rain to the hinterland of Brighton at about 1800 GMT and moved in a more northerly direction, reaching Rochester about 1900 and east Essex about 2000 GMT.

Over north-west Kent and nearby parts of Surrey and Sussex and also over Essex the two storms seemed to merge and large areas had more than three inches of rain, much of which fell within a period of two hours.

Distribution of rainfall in space.—The map of rainfall for the 24 hours 0900 GMT on September 5 to 0900 GMT on September 6 (Fig. 1) approximates closely to that for the falls during the storms. More than an inch of rain fell in a wide belt from near Chichester to Earls Colne and Colchester, a distance of nearly 100 miles. This was joined about



**Figure 1—Rainfall for the 24 hours 0900 GMT, 5 September to 0900 GMT
6 September 1958**

Scale shown by National Grid figures.

Westerham and Sevenoaks by another belt which began to the north of Haywards Heath. The whole area was about 25 miles wide south of London (extending from Sutton to Tonbridge) and over 34 miles wide to the north-east (from near Harlow to Foulness Island): taking into account a probable extension eastwards over the North Sea the width here may well have exceeded 40 miles. There was

more than 4 inches in Kent at Eynsford and at Knockholt Waterworks a fall of 5.14 inches for one day is the heaviest yet recorded in Kent or in any county nearer to Kent than Wiltshire or Norfolk. Measurements, by planimeter, of the rainfall distribution, drawn on a quarter-inch map, give the following areas in square miles for falls of 1.0 inch or more (Table 1).

Table I. Rainfall Distribution

Rainfall exceeding Area	1.0 2550*	1.5 1219	2.0 724	2.5 352	3.0 150	3.5 58	4.0 10	5.0 inches 0.5 sq. miles
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* Including estimate of about 450 sq. miles over the sea.

Intense falls of rain.—Many of the heaviest falls in west Kent have no exact timing and so cannot be included in the strict category of intense falls within a period of two hours (see Table II). The most interesting, 5.14 inches at Knockholt Waterworks, is believed to have fallen in about two hours and should certainly rank as “very rare”. The amount of 3.55 inches, measured at Chevening Gardens about $1\frac{1}{4}$ miles to the south-east, is stated to have fallen in $2\frac{1}{2}$ hours whilst two

other Sevenoaks’ observers (one at Cramptons Road the other at Oak Lane) recorded 3.78 and 3.36 inches respectively in two hours from 1830 GMT.

Seventy-eight intense falls of less than two hours’ duration were accepted as worthy of note according to the classification used for *British Rainfall*,¹ namely, noteworthy, remarkable, very rare. The distribution of these on a county basis is given in Table II.

Table II. Distribution of Intense Falls within Two Hours

County	Noteworthy	Remarkable	Very rare
<i>number of falls</i>			
Kent	4	7	12 + others unclassified
Essex	12	7	4
Sussex	4	8	3
Surrey	12	8	1
London	5	3	...
Hampshire	1	...	...
Huntingdonshire	1	...	...

Falls at Knockholt and Sevenoaks have already been discussed and others coming into the “very rare” category (frequency at one station equal to or less than one in 160 years) are listed in Table III.

Distribution of hail.—The map (Fig. 2) shows the incidence of hail as reported by rainfall observers. A spot denotes that no hail was observed; a triangle that hail fell but that the size was not specified; and the figures are those adopted by Mr. Ludlam for his detailed survey of the Horsham district² in which hailstones are graded from 1 (diameters up to 0.5 centimetres) to 7 (diameters of 9.0 centimetres or more). The overall picture is supplemented by isopleths sent by Mr. Ludlam which show areas near Horsham where hailstones graded as 6 or 7 were observed

by local inhabitants. The map also shows the path of the tornadoes.

Tornadoes.—Mr. G. F. W. Clapp of the London Forecasting Office visited the district within a week of the storm and plotted a track showing the path of the main tornado from Coolham six miles south-west of Horsham, to Ifield seven miles north-east with a probable path extending nearly to Oxted. He also plotted the track of a minor tornado which possibly began near Petworth, passed across Horsham and Three Bridges to Crockham Hill near Edenbridge. Both tornadoes appear to have passed near Horsham at about 1730 GMT. Mr. Clapp gave the following account of the two tracks which was supplemented by a number of small photographs.

Table III. "Very Rare" Falls

County	Rainfall station	Amount	Duration
		<i>inches</i>	<i>minutes</i>
Essex	Tilbury (Gray's Sewage Works)	3.17	120
Essex	Chelmsford (Galleywood)	2.98	120
Kent	Farnborough	2.95	120
Kent	Seal (Kemsing Pumping Station)	2.43	115
Kent	Edenbridge Pumping Station	3.16	110
Kent	Meopham Pumping Station	3.43	105
Kent	Wilmington (Orchard Way)	2.74	105
Kent	Dartford (Central Park)	2.76	102
Kent	Dartford (Christchurch Road)	2.94	95
Kent	Horton Kirby (Court Lodge)	> 3.50	90*
Essex	Wickford (Dollyman's Farm)	3.27	90
Essex	Chelmsford (Sandford Mill)	2.73	60
Sussex	Weir Wood Reservoir	2.50	60
Sussex	Horsted Keynes (Cinder Hill)	2.33	60
Surrey	Caterham (White Knobs Way)	2.15	50
Kent	Bromley (Keston)	2.30	45
Kent	Bexley Heath (Danson Park)	2.44	40
Sussex	Kirdford (Hills Green)	2.00	30
Kent	Sidcup	2.50	20

* Gauge overflowed.

The main tornado.—Tornado cloud was observed in the Coolham area, and near Southwater one tree was twisted off about 4 feet from the ground. At Southwater Street a garage was wrecked, petrol pumps being torn from the ground. Orchards across the road were badly damaged. From here to Coolhurst there was intermittent damage to trees. At Coolhurst (an estate south-east of Horsham) the tornado entered the grounds at a height of about 30 feet but lowered immediately to ground level, twisting off 300-year-old walnut trees and cutting a path about 20 yards wide. It then took a north-north-easterly track and damage was less marked until it crossed the Horsham-Crawley road. Here trees a foot in diameter were twisted off (one being uprooted and carried so that its roots were ten feet from the hole in the ground whence they came), sheets of corrugated iron were picked up and wrapped round trunks and branches (see Plate V) and a barn was demolished. Damage to trees was extensive along the track to Ifield (see Plate III) and in addition a brickworks was destroyed,

and a farm and the Lamb Inn about a mile to the south-east of Rusper were damaged. Having by-passed the high ground of St. Leonard's Forest the tornado turned on a north-easterly track along the Mole Valley. At Bonwyck's Place Farm roofs and out-buildings were damaged. Finally, about $\frac{1}{2}$ mile north of Ifield, the tornado cut a path through a clump of pines twisting the trees off about 20 feet above the ground (see Plate IV), passed across Gatwick Airport and to the south-east of Horley and is believed to have continued some distance in the direction of Oxted. At Gatwick, where a gust of 70 knots was recorded, a hangar was destroyed and a little further on considerable damage to buildings, trees and glass was reported from the Worth Park Nursery—situated about a mile to the south-east of Horley.

The minor tornado.—In Horsham the roof of the stand at the Football Club was blown off, roofs of houses nearby were damaged and a car was lifted and turned round. At Comptons Clew a 50-yard wide swathe was cut, elms were snapped off at about 40 feet

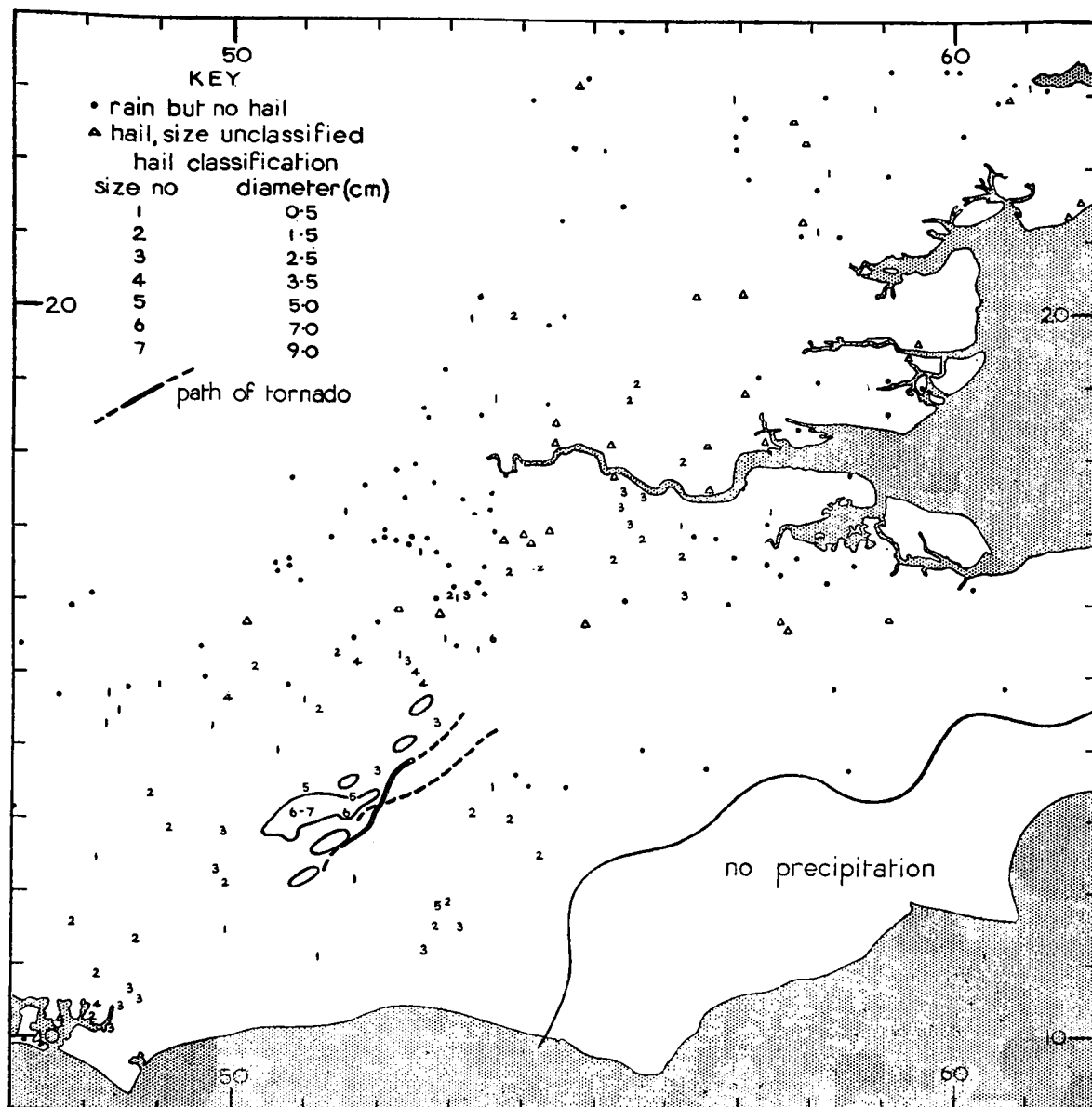


Figure 2—Hail size on 5 September 1958

The isopleths enclose areas with maximum hail diameter ≥ 7 cm, based on a more detailed map by Ludlam and Macklin.²

Scale shown by National Grid figures.

above ground, some poplars were uprooted and a wheelbarrow was lifted over a 10-foot wall; yet an orchard nearby was undamaged. Soon after entering St. Leonard's Forest the lower part of the tornado seems to have degenerated but in Holmbush Forest on Beacon Hill the centre of a tree was removed leaving the outer limbs undamaged, and this suggests that the tornado was only a few yards wide at ground level.

Storm damage.—The widespread damage was due to four main causes: hail; the tornado, especially in the Horsham district; weight of rain such as resulted in the collapse of the supports and vines in most of the hop gardens of the Darent Valley; and flooding such as occurred in the Eden valley, in Essex and in many towns and villages where the sewers became surcharged and subsequently overflowed.

The effects of the hail and of the tornadoes have been dealt with separately. Fortunately much of the heavy rain fell over chalk country where the flood water soaked away in a few hours, but considerable damage occurred in the ironstone regions of the old hammer ponds where earthen dams were partly washed away. At Cowden, on the Kent-Sussex border, part of the 400-foot Furnace Mill dam was eroded, a road was damaged and buildings undermined. The observer at Penshurst Place reported the drowning of cattle and sheep. From Horsted Keynes the Secretary to the Ashdown and General Land Company at Cinder Hill reported a fall of 2.33 inches in an hour. He states, "this quantity of rain in so short a time caused great damage to ponds, dams, overflows and to roads running through the estate. The flooding was increased by the streams which come down from Ashdown Forest to the north. We were suddenly hit by a wall of water some 220 feet wide and 4 to 5 feet high in the middle." At Nobels Farm, near Horsted Keynes, 300 pullets were drowned and the Holy Well Pumping Station of the Mid-Sussex Joint Water Board was partly inundated with a consequent, temporary, curtailment of the water supply.

It is not possible to include the wealth of information sent in by observers, in this account but the following description is given of the storm and of storm damage. It was sent by Mr. Lionel Baker of Hills Green, Kirdford near Billingshurst, a parish noted for its Cox's Orange apple orchards:

"We lost about 10,000 bushels of apples from 50 acres of orchards, the remainder, left on the trees, were nearly all hail-marked and worthless. The day had been fine and sunny but about 1645 GMT a black mass of cloud approached from the west and by 1700 a storm of wind, hail, thunder and lightning was raging which lasted for half an hour. It was difficult to see what was happening as the air was full of flying leaves, twigs, branches, hail and rain. This house, although on a hill, was soon invaded by water as every drain was blocked by debris and hail. I was able to

get out about 1800 and measured several hailstones averaging about $\frac{3}{4}$ inch across. The garden was a scene of desolation, flattened, with vegetables destroyed. Next day revealed half the apple crop on the ground and the rest cut and scarred. In exposed parts leaves were stripped from the trees and the bark was cut and split. This last damage may affect the crops for a year or two.

"The strip of country affected in this parish, as far as I can ascertain, was one mile wide but Kirdford village escaped the hail. Electricity was cut off in Kirdford until the 6th and telephones for two or three days in some places. A well-informed estimate of the damage in this area is £300,000 but the after-effects cannot be estimated."

References

1. BILHAM, E. G.; Classification of heavy falls in short periods. *Brit. Rainf.*, London, 1935, p. 262.
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3. LUDLAM, F. H. and MACKLIN, W. C.; The Horsham hailstorm of September 5, 1958. *Met. Mag.*, London, October 1960, No. 1,059, Vol. 89, pp. 245-251.
4. HORNER, F.; The Thunderstorms of September 5, 1958—Lightning discharges and atmospheric. *Met. Mag.*, London, October 1960, No. 1,059, Vol. 89, pp. 257-260.

Appendix

Reference 3 (above).

The storm in the Horsham area: "... The largest hailstones fell near the town of Horsham, and especially in an area several kilometres across lying just west of Horsham.

"In the heart of the storm the weather was frightening. It became very dark with the approach of the cloud mass, and although it was practically calm at the ground the unusual and even conflicting movements of the lowering clouds and the extremely oppressive atmosphere impressed many witnesses with a

sense of impending disaster. In most places shortly before the onset of the hail and rain there was a sudden squall from between west and north-west, strong enough to break down tree branches and sometimes to uproot trees. People hastening to close windows were driven back to shelter by a bombardment of hailstones, which arriving at a shallow angle broke many panes with such violence that glass splinters were flung against the opposite walls. The larger stones broke roof tiles and carried away the lead frames of small window panes (Plate I). Car drivers were brought to a standstill by road-flooding, loss of vision in the torrential rain and swirling foliage, and by the falling of large trees across the road; some cars were covered with dents from the impacts of the hailstones. On the south-western flank of the storm, . . . a tornado occurred, causing much tree damage along a practically continuous path passing just east of Horsham to near Gatwick and beyond."

The characteristics of the hailstones: "The largest hailstones were reported to be like tennis or cricket balls, or half grapefruits. Not all were spherical; many were dimpled on one side, like a doughnut but without a hole, while some were flattened discs, rather like half-crowns, and others again were irregular and even 'jagged' lumps of ice. One correspondent picked up from his lawn a stone which was '5 to 6 inches long and like a piece of glass . . . I did not like the look of it and dropped it back on the ground'. Many people measured the diameters and the cir-

cumferences of the large stones, or weighed them; several weights of 4 ounces were recorded while even heavier stones were measured by Mr. Forrest (three of $4\frac{1}{2}$ ounces), Mr. King (between 4 and 5 ounces), Mr. Browning of north-west Horsham (6 ounces), and Mr. Shortt of Southwater ($6\frac{3}{4}$ ounces 'to within about 2 grams'). Several people tried to preserve stones in household refrigerators, but because of a power-cut in the area only those stones placed in deep-freeze boxes remained about the same size after a few days. We were able to examine stones kept by Colonel Cumming, near Slinfold (here we measured the density of a large stone to be practically that of pure ice), smaller stones preserved at a house south-east of Horsham, and larger stones which still possessed diameters up to 6 centimetres (weight $2\frac{1}{4}$ ounces) at Okehurst Farm (Plate II) and at Malham Farm, which are both about 10 kilometres west of Horsham. Of five large stones which we opened, four had small internal cores of transparent ice, and the other an opaque core; one smaller stone of marble size also had a clear core. All the large stones were hard and evidently had a density close to that of pure ice; they bounced high from paths and road surfaces, and buried themselves in lawns so that their tops were about level with the undisturbed surface; pits were left in the lawns when the stones had melted, and we measured several which were 5 centimetres deep and 7 centimetres across, and in Horsham one which was 5 centimetres deep, 13 long and 11 across."