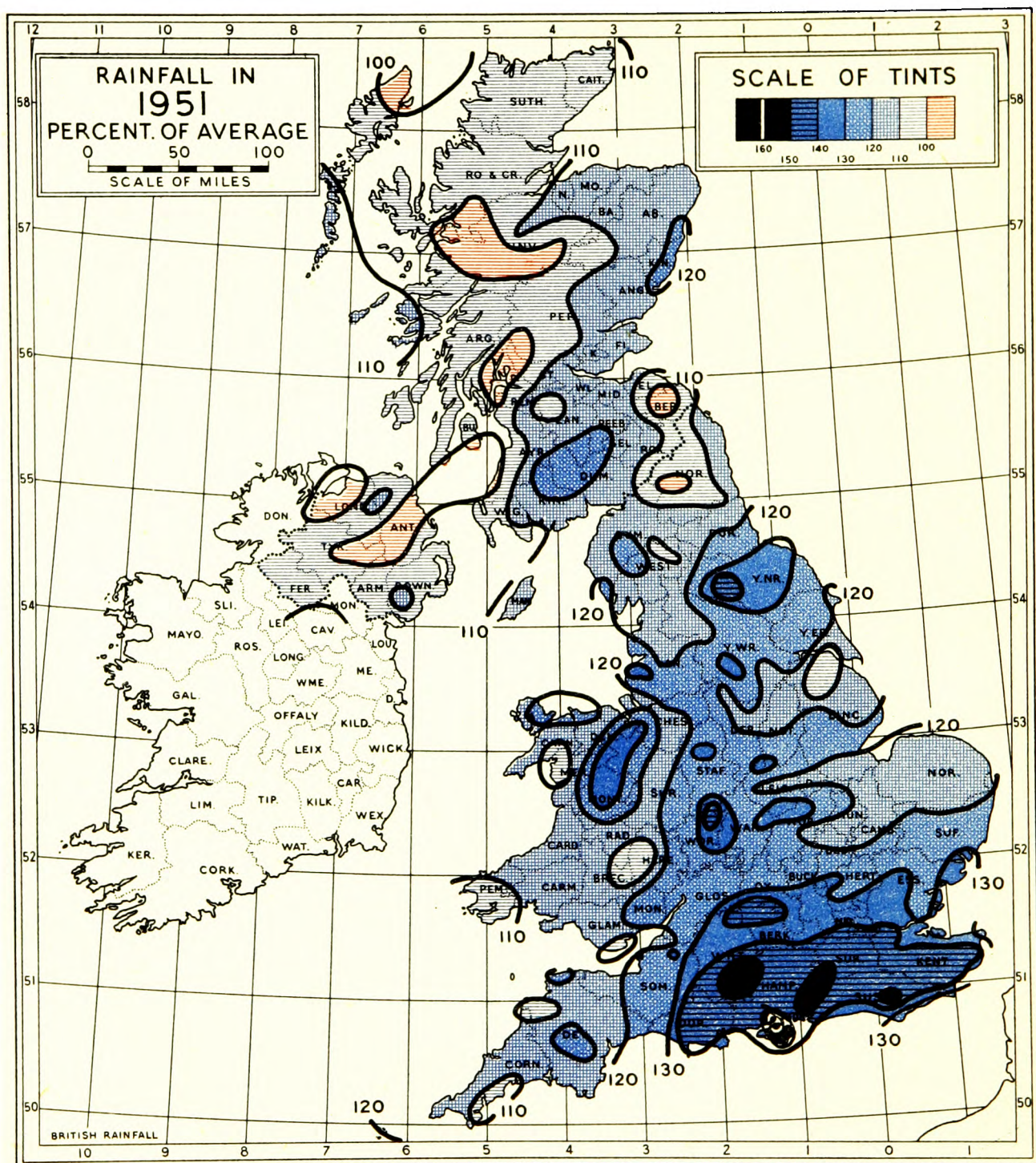


RELATION OF RAINFALL IN 1951 TO THE AVERAGE OF 1881-1915.



AIR MINISTRY, METEOROLOGICAL OFFICE.

The area coloured Red had rainfall below the average, that coloured Blue had rainfall above the average.

METEOROLOGICAL OFFICE

BRITISH RAINFALL

1951

THE NINETY-FIRST ANNUAL VOLUME OF
THE BRITISH RAINFALL ORGANIZATION

Report on the

DISTRIBUTION OF RAIN

IN SPACE AND TIME OVER GREAT BRITAIN
AND NORTHERN IRELAND DURING THE
YEAR 1951 AS RECORDED BY ABOUT
5,000 OBSERVERS

WITH MAPS

LONDON : HER MAJESTY'S STATIONERY OFFICE

1953

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BRITISH RAINFALL 1951

PART I

1 The Work of the British Rainfall Organization

“BRITISH RAINFALL 1951.” The present volume is in the same form as that for 1950 and retains the main features of pre-war volumes, thus enabling comparison to be made between the rainfall of 1951 and that in earlier years. This comparison is facilitated by continuing to number the principal tables according to their sequence in the various sections. The series of maps showing monthly, seasonal and annual percentages of average have been continued, the annual map appearing as a coloured plate wherein the scale of tints of blue for more than average and of red for less than average has been continued.

LOCAL ORGANIZATIONS. Most of the rainfall returns from which this volume has been compiled are sent by the observers direct to the Meteorological Office, but in some regions there are local organizations who have greatly assisted by collecting rainfall returns for forwarding to the Office and by stimulating interest in weather recording. Among the officials of such organizations there should be mentioned Mr. R. Butler of the Hertfordshire Natural History Society ; Mr. C. W. Boddington of the Northamptonshire Natural History Society ; Mr. R. S. Copeman of the Norfolk Rainfall Organization ; the Librarian, North Devon Athenaeum ; Mr. E. L. Kelting of the Mid-Wessex Rainfall Association ; and Mr. D. W. Bogle of the Cornwall Rainfall Association.

Mr. Robert Burrow, Engineer and Manager of the Jersey New Waterworks Company, forwarded returns from several stations in

Jersey, and Mr. W. N. McCall, Burgh Engineer of Kilmarnock, continued the collection of records in Ayrshire.

The exchange of information with Captain W. N. McClean in connexion with his work on River Flow was continued.

There was also an exchange of rainfall data with the Director of the Meteorological Service of the Irish Republic.

THE STAFF OF OBSERVERS. The basis of discussion of the rainfall which is presented in this volume is the collection of about 5,500 returns of rainfall received from all parts of the country. Not all of these are included in the General Table (Part II of this volume), the Table being shortened by the omission of returns from check gauges and of some records which are not complete. Returns are contributed by private persons who measure the rainfall primarily as a matter of personal interest, or by public local authorities—and especially the authorities of water undertakings—who find that a knowledge of rainfall is essential to them in their work. The goodwill of the observers who voluntarily forward copies of their observations for preservation is gratefully acknowledged. Without their co-operation the compilation of this volume would not have been possible.

The total number of records printed in Part II of this volume is 5,047, an increase of 4 over 1950. As many as 346 additional records are included, while 342 records printed in *British Rainfall* 1950 have dropped out of the table.

The net gain in England was 26, the net loss in Wales was 14, in Scotland 5 and in Northern Ireland 3.

The aim has been to secure a better distribution of the stations over the country, to eliminate unsatisfactory records and to secure the wider use of standard equipment and the better exposure of the rain-gauges.

A number of additional rainfall records are included in this volume and the following are of special interest: the record at Mickleham (Juniper Hall), maintained by the Council for the Promotion of Field Studies; the records at Wootton Courtenay and Kinsford Gate maintained by Mr. C. H. Archer; 15 additional records received from the Derwent Valley Water Board between Buxton and the Ladybower Reservoir; the records at Sprinkling Tarn and Styhead Tarn, with over 200 inches for 1951, which had been omitted because of estimates in the previous year; 10 records in the Dovey Valley above Machynlleth arranged by Messrs. Howe and Yates; and three additional records on Skye.

Rainfall records for earlier years were received from many sources. Among these may be mentioned the records kept at Sibford Gower, to the west of Banbury, since 1930, received from the Rev. W. M. Grogan; at the Old Rectory, Ashmore, on the downs at 700 feet between Salisbury and Blandford, since 1942, from Mr. G. E. Howard; at Coombe End, Shere, Surrey, since 1944 from Mr. B. R. Warren, and at Sampford Arundel, Wellington, Somerset, from 1945, from Capt. S. G. Williams.

INVESTIGATIONS. An article by Dr. J. Glasspoole, "The British Rainfall Organization" was published in *Weather*, March, 1952, p. 85, and the annual article on the rainfall of the previous year appeared in *The Times* of January 15. A note on "The Prolonged Unpleasant Weather of 1950-51" was published in the *Meteorological Magazine*, Vol. 80, 1951, p. 283.

In May 1951 the Director of the Meteorological Office arranged for the formation of a

hydrology section to undertake a programme of work on practical problems, based on a comprehensive picture of the complete hydrological cycle — rainfall, evaporation, percolation and run-off. Although records of evaporation and percolation have been published regularly in *British Rainfall*, discussion previously has been limited to consideration of rainfall only, and, as a matter of policy, definitely not extended to cover such matters as evaporation, percolation, run-off or cognate questions. As part of this work Mr. A. Bleasdale opened a discussion on "Evaporation as a factor in hydrology" at the Meteorological Office in October 1951. Attention has also been given to the work of the River Boards, especially to the definition of a representative distribution of rainfall stations in each area which might be expected to remain permanent. With the changing times and the fewer records which can be expected from private individuals it is to the River Boards that we must look to stimulate interest in recording, especially in the more hilly parts of the country. In co-operation with the Department of Scientific and Industrial Research (Road Research), plans have been made for investigating further the frequency of intense rains, the travel of these storms and the areas covered by them, factors which are of importance in the design of sewers in towns.

The Surface Water Year-Book of Great Britain, 1937-45, published by the Ministry of Housing and Local Government and Scottish Office in 1952, included estimates of the General Monthly and Annual Rainfall for 33 out of the 52 areas for which run-off data were available. Similar monthly rainfall values have been prepared for 46 areas covering the water-years 1945-51. The Climatological Atlas of the British Isles, published in August 1952 by H.M.S.O., price £2 12s. 6d. net, contains a section on rainfall.

Dr. J. Glasspoole served on the British Rainfall Fund Committee of the Royal Meteorological Society; on the newly formed Hydraulics Committee of the Institution of Civil Engineers, and both Dr. J. Glasspoole

and Mr. A. Bleasdale on the Hydrological Research Group of the Institution of Water Engineers.

The Hugh Robert Mill Medal and prize for 1952 of the Royal Meteorological Society was awarded to Dr. J. Glasspoole for his outstanding contributions to the science of meteorology with particular reference to rainfall.

INSPECTIONS. During the year rain-gauges were included in the inspection of about 165 climatological stations. In addition about 140 rainfall stations were inspected. The main groups were those of the Edinburgh Water Works, Fannich Orrin (Hydro-Electric Board), Daer Water Scheme (Lanarkshire), Bradford Waterworks, Bristol Waterworks, Sunderland and South Shields Waterworks and a number of gauges in which the Yorkshire Ouse River Board has a special interest.

Additional sites for rain-gauges were also selected in the area of the Yorkshire Ouse River Board and in the Upper Tees under Great Dun Fell for the Nature Conservancy.

INQUIRIES. Inquiries regarding rainfall in various parts of the country covered a very wide field. As in previous years they included many requests for records defining the rainfall experienced during specified periods in particular localities, the supply of estimates of the average annual and monthly rainfall over specified areas, advice on the provision of

equipment and the best exposure for rain-gauges.

Information was supplied monthly for publication in *Water and Water Engineering* and the *Meteorological Magazine* while monthly reports on the rainfall of Great Britain and Northern Ireland were furnished to the British Waterworks Association and to certain Government Departments. Detailed reports were supplied each month to the Metropolitan Water Board and the Thames and Lee Conservancies. 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, local authorities and numerous River and Conservancy Boards was continued and extended.

The Office in Edinburgh dealt with numerous inquiries from legal and insurance firms and water supply authorities. Advice was given to the Scottish Departments of Agriculture and Health, County Planning Authorities and the Hydro-Electric Board. Data were also supplied to the Registrar-General for Scotland and to various industrial concerns.

OBITUARY. During the twelve months ending June 30, 1952, reports were received of the deaths of 37 observers who had contributed to volumes of *British Rainfall*. Of these, 10 kept rainfall records for 30 years or more. A list of these is given below.

Name	Last place of observation	No. of years' records
Capt. W. Elwin Napier	Worth, near Sandwich, Kent	50
Mr. John Taylor	Guildford, Surrey	49
Mr. John A. Druce	Goudhurst, Kent	45
Sir Charles Leyshon Dilwyn-Venables-Llewelyn, Bt., C.B.	Llysdimam, Brecknockshire	43
Dr. A. Bulleid	Midsomer Norton, Somerset	41
Mr. F. E. T. Jones Balme	Rydal, Westmorland	39
Miss L. Sibley	St. Neots, Huntingdonshire	38
Dr. W. C. Whitworth	St. Agnes, Cornwall	34
Mr. E. W. Finch	Purley, Surrey	33
Mr. P. M. Horsfall	Sleights, Yorkshire	30

Capt. W. Elwin Napier contributed annual returns from Worth, near Sandwich, commencing in 1901. Initially the record was credited in *British Rainfall* to Sandwich (Word). It is being continued by Mrs. M. Napier.

Mr. John Taylor forwarded returns from West Hill House, Dartford, from 1902 until 1933, when on the death of the owner he moved to Guildford, continuing a record there until his death in July 1951.

Mr. John A. Druce commenced rainfall readings at Gore Court, Goudhurst, in 1904 and these were continued, with a short break in 1916 and 1917, until his death in April 1951 at the age of 93.

Sir Charles Leyshon Dilwyn-Venables-Llewelyn, Bart., C.B., arranged for records to be forwarded from Llysdimam, Newbridge-on-Wye, from 1908, the late Mrs. Lester Venables having forwarded earlier returns from there for the years 1882 to 1907. The record is being continued by Lady Venables-Llewelyn.

Dr. A. Bulleid sent returns from Midsomer Norton from 1911 until he died in his 89th year in December, 1951, and "quite at the last he arranged for the record, in which he was so keen, to be continued".

Mr. F. E. T. Jones Balme kept a record at Rydal (High Close) from 1912 to 1950. This record was commenced in 1859 by Mr. E. B. W. Balme and forwarded later by Mr. F. M. T. Jones Balme. It is being continued by Mrs. Jones Balme.

Miss L. Sibley commenced observing at St. Neots in 1914 and supplied in 1931 the earlier records. From then until her death in December 1951 regular monthly returns were forwarded to the Meteorological Office. A record at St. Neots is being continued by Mr. W. P. Bond-Smith.

Dr. W. C. Whitworth supplied returns from St. Agnes from 1917 to 1950, initially through the Cornwall Rainfall Association. The record is being continued by his son Dr. Henry Whitworth, M.B., B.S.

Mr. E. W. Finch forwarded returns from Purley from 1915 to 1938, from Yeovil in 1940 and from Purley from 1943 to 1950.

Mr. P. M. Horsfall sent records from The Hall, Sleights, near Whitby, from 1921 to 1950. The record is being continued by Mr. George Gibson at the Hall Cottage, the gauge having been left to him. For the 30 years, reading the gauge had been part of his duties.

2 The Distribution of Rain in Time

THE NUMBER OF RAIN-DAYS AND WET-DAYS IN 1951

To obtain a homogeneous series of statistics the following definitions have been 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. It must be understood that whenever these terms are used in this publication, the meanings set out above are attached to them.

The satisfactory mapping of the annual numbers of rain-days has always presented difficulties, whereas the numbers of wet-days have proved sufficiently consistent to enable the distribution of these days to be defined. 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 were published in the *Quarterly Journal of the Royal Meteorological Society*, 1928, pp. 89–101, but similar maps of wet-days have not yet been prepared.

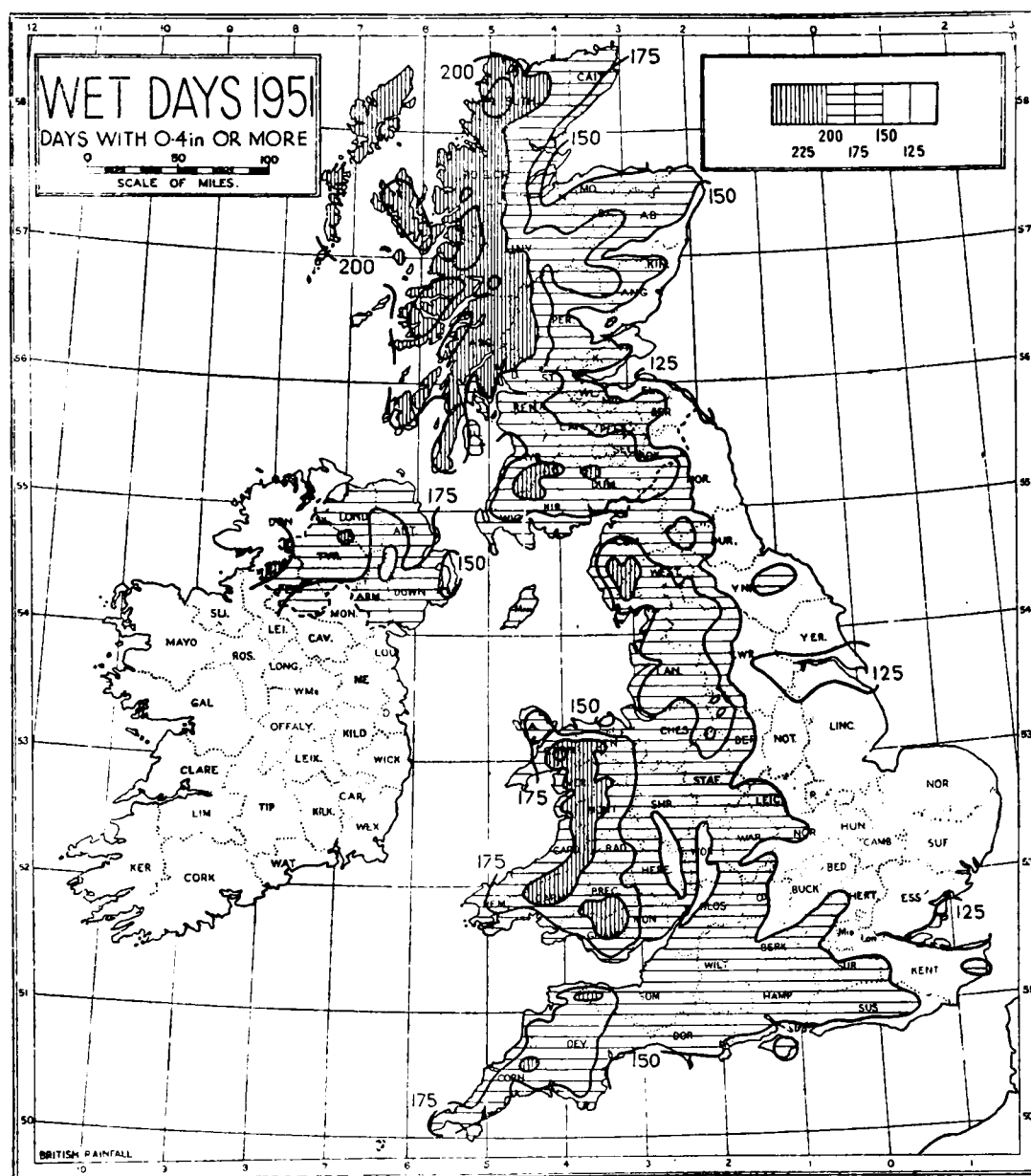
Information as to the number of rain-days and wet-days in 1951 is set out in this volume in various forms. The General Table of rainfall shows the annual numbers of

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. 6.

A comparison of the number of wet-days over England and Wales in each month of 1951 with corresponding figures for the previous 10 years and also with the average values for 30 years (1919–1948) 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 for the period 1881–1915 are also given for England and Wales and for Scotland for purposes of comparison. The monthly rainfall amounts for the 82 stations are included in Table 8c.

The map of the annual number of wet-days in 1951 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 number of wet-days in 1951 over England and Wales as a whole, 154, was 16 more than average. The year had the greatest number of wet-days since 1930, which gave 155. Scotland had 178 wet-days, 4 more than the average and ten fewer than the previous year. Northern Ireland's total of 172 wet-days was the smallest since 1947.

In 1951 there were fewer than 125 wet-days in the neighbourhood of the Thames Estuary, the Humber and Berwick-on-Tweed. Many mountainous districts in the west, especially in Wales and western Scotland, had more than 200 wet-days. Totals at the selected stations ranged from 117 at Kingston-upon-Hull and 123 at Shoburyness to 239 at Loch Shin in Sutherland. Over Northern Ireland the range was small, from rather less than 150 wet-days on the coast of County Down and

the east of Lough Neagh to rather more than 200 over the Sperrin Mountains.

The number of rain-days over England and Wales as a whole was 202, or 14 more than the average, the most for any year since 1930 with 207. Scotland had 228 rain-days, 11 more than the average. Compared with the previous year, 1951 had 6 more rain-days over England and Wales but 7 less over Scotland. The range over Great Britain and Northern Ireland at the selected stations was from 170 at Royston to 265 at Newtownbutler (Fermanagh) and 280 at Loch Shin. Areas with fewer than 175 rain-days occurred in the neighbourhood of the Thames Estuary, around Cambridge and to the south of Kingston-upon-Hull. More than 275 rain-days was confined to Sutherland and the mountains of Skye.

The months with the greatest number of rain-days generally over England and Wales were November and March with 24 and 22 respectively. The number in November has not been exceeded in that month since 1935,

while the total January to March, 63, exceeds that of any similar period since 1937. June and October had the fewest rain-days, each with 10. Over Scotland the greatest number of rain-days occurred in November with 26, or 7 more than the average, and the fewest in May with 9, or 7 less than the average for that month. Over Northern Ireland there were 26 in August but only 13 in May and June.

The month of the greatest number of wet-days was generally November, but August had as many in Northern Ireland. The fewest wet-days occurred in October over England, Wales and Northern Ireland, but May in Scotland.

Rain occurred on every day at Ballymena and Strathaven during November and at Loch Shin during December, when all but one ranked as a wet-day. There were only 5 rain-days in May at Tiree and Loch Ness and in June at Ventnor, and only 1 wet-day in October at Leuchars and Donaghadee.

Table 2A Monthly General Number of Wet-Days (Days with .04 inch or more) over England and Wales 1941-1951

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1941	13	16	11	7	9	5	10	17	4	11	14	9	126
1942	14	5	10	7	13	3	11	14	12	13	7	17	126
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
Average*	15	11	10	11	10	9	11	11	11	12	13	14	138

* Average for 30 years, 1919-1948.

BRITISH RAINFALL 1951

Table 2b Number of Rain-days (.01 in. or more) and of Wet-days (.04 in. or more) in 1951

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rain- fall
ENGLAND AND WALES															in.
London 2	St. Pancras (Camden Square)	20 13	23 15	19 16	14 11	15 13	9 6	7 4	18 15	13 9	12 7	21 20	14 10	185 139	32.19
Kent 1	Folkestone (Cherry Garden)	21 18	23 18	19 16	15 14	18 12	9 9	9 6	17 14	13 11	12 10	23 17	16 11	195 156	41.39
" 4	Edenbridge (Falconhurst) . . .	18 14	24 22	21 15	18 13	15 10	9 4	11 3	18 12	15 11	9 8	23 20	16 11	197 143	44.62
Sussex 3	Worthing (Beach House Park)	19 15	23 20	21 16	17 13	12 10	8 4	6 3	18 15	14 10	9 6	22 21	15 13	184 146	37.98
Hampshire . 1	Ventnor Park	20 17	22 18	25 22	17 14	11 8	5 2	6 5	17 15	15 8	9 8	23 22	15 14	185 153	46.02
" 2	Bournemouth (Vale View) . .	16 13	22 18	23 18	15 13	14 11	6 2	7 4	19 16	13 10	10 8	22 20	15 14	182 147	42.16
" 7	Selborne (The Wakes)	19 18	24 22	23 22	16 15	19 11	10 5	11 6	20 16	15 12	11 6	25 23	17 13	210 169	55.53
Hertford . . . 2	Harpenden (Rothamsted) . . .	21 15	24 18	21 17	18 13	17 14	7 7	10 7	18 15	12 10	11 7	24 22	17 11	200 156	34.41
" 3	Royston (Therfield Rectory) .	16 13	18 15	19 16	12 12	16 13	11 9	9 5	16 12	12 9	7 6	20 16	14 8	170 134	29.52
Oxford 3	Oxford (Radcliffe Met. Stn.) .	19 14	20 16	22 19	15 10	17 12	11 8	10 4	22 14	13 9	12 6	25 18	16 11	202 141	33.70
Northampton 4	Wellingborough (Swanspool) .	18 15	20 18	22 18	14 10	14 13	11 7	9 5	21 16	13 8	11 6	25 19	17 10	195 145	29.11
Huntingdon 1	Whittlesea Mere	17 13	19 15	20 15	16 12	16 14	11 8	8 5	16 11	9 7	8 5	21 14	14 8	175 127	26.07
Essex 3	Shoeburyness	17 12	23 16	17 11	14 12	17 13	8 4	8 6	14 10	13 11	9 7	21 14	14 7	175 123	26.89
Suffolk 4	Lowestoft (Secondary School)	13 9	17 13	18 12	17 15	13 12	12 9	10 9	18 9	13 12	8 6	23 17	19 11	181 134	27.85
Norfolk 3	Hunstanton	20 14	17 14	21 15	15 12	13 11	8 4	13 8	16 14	9 7	13 6	21 13	15 9	181 127	27.77
" 4	Thetford (Waterworks)	17 12	26 16	23 13	18 14	13 9	8 5	8 5	16 12	15 11	11 5	25 20	18 10	198 132	26.76
Devon, S. . . . 5	Teignmouth (Den Gardens) .	18 14	22 19	23 18	14 10	15 10	10 5	9 7	23 16	19 16	10 6	23 17	17 11	203 149	37.85
Devon, N. . . 1	Ilfracombe (Bowling Green) . .	25 18	20 16	25 17	14 12	16 12	12 7	8 6	22 20	16 13	11 8	24 18	21 19	214 165	46.06
Cornwall . . . 1	Bude (School House)	26 17	24 18	24 19	12 10	19 14	8 5	9 9	24 20	16 13	11 8	24 20	21 17	218 170	37.18
" 2	St. Austell (Poltair Public Gdns.)	27 25	23 20	24 17	18 13	17 11	13 9	8 6	27 22	18 14	13 10	28 24	23 16	239 187	50.00
" 4	Scilly (Tresco Abbey)	26 20	24 20	24 19	16 11	16 12	12 8	6 4	25 16	18 12	10 7	26 23	22 18	225 170	39.90
Somerset . . . 1	Bath (Henrietta Park)	19 11	22 17	22 16	17 13	16 14	9 6	7 5	18 17	12 11	9 7	24 20	16 13	191 150	39.53
" 3	Taunton (Vivary Park)	20 15	23 20	26 20	15 13	18 12	10 5	10 7	20 16	17 10	10 7	25 20	16 11	210 156	34.49
Hereford . . . 1	Ross-on-Wye	17 11	18 15	21 17	14 11	17 13	8 6	6 5	19 15	16 13	12 4	24 22	17 10	189 142	34.77
Shropshire . . 3	Shrewsbury (Monkmore)	19 11	19 15	25 20	17 10	17 14	14 10	10 8	26 18	17 11	12 6	25 21	20 12	221 156	29.14
Warwick . . . 1	Leamington Spa (Pump Room Gardens)	14 12	16 12	23 18	15 10	14 12	13 9	9 6	22 16	11 9	7 5	23 19	16 10	183 138	30.80
Leicester . . . 4	Loughborough (Nanpantan Res.)	18 13	20 17	22 18	14 11	17 15	9 7	10 6	21 16	11 7	7 5	24 21	15 11	188 147	32.17
Lincoln 3	Horncastle	16 13	23 16	25 15	15 9	16 15	8 4	15 7	21 14	14 7	8 7	27 17	17 11	205 135	29.62
Nottingham . 5	Mansfield (Carr Bank)	15 11	20 15	21 13	16 10	14 11	9 6	11 5	21 16	9 9	8 4	23 18	14 13	181 131	32.44
Cheshire . . . 2	Northwich (Hunts Lock) . . .	17 12	19 17	22 17	17 13	14 11	10 9	14 10	20 20	12 11	8 5	27 22	24 18	204 165	35.83
" 3	Birkenhead (Bidston Obsy.) . .	20 13	18 15	22 16	13 9	14 10	11 4	12 7	19 16	17 12	8 5	26 23	23 20	203 150	31.79
Lancs, C. . . 1	Squires Gate Airport	23 16	20 17	20 16	13 10	13 8	9 5	12 6	16 13	15 14	7 5	26 24	24 21	198 155	40.57

Table 2B Number of Rain-days (.01 in. or more) and of Wet-days (.04 in. or more) in 1951 (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rain- fall	RAIN-DAYS AND WET-DAYS	
																in.	
ENGLAND AND WALES (continued)																	
Yorks, W.R.	Wakefield (Clarence Park)...	15 12	18 14	18 11	12 9	16 14	8 5	10 8	22 17	12 9	7 3	23 19	16 10	177 131		32.00	
" E.R.	Hull (Pearson Park)	17 9	17 12	19 11	14 10	15 11	10 6	11 8	21 17	12 6	8 4	22 12	17 11	183 117		27.74	
" N.R.	Felixkirk (Mount St. John) ..	20 13	18 14	18 14	16 9	17 13	12 7	17 14	21 17	14 9	7 5	21 18	16 11	197 144		35.90	
" N.R.	Scarborough	16 12	17 12	19 14	16 12	15 10	11 7	14 12	16 12	10 6	7 4	26 17	15 10	182 128		31.04	
Northumb.	Newcastle (Leazes Park)	13 8	17 14	20 15	13 7	15 13	10 8	13 6	20 18	12 8	6 5	22 16	15 11	176 129		28.91	
"	Mindrum	19 15	21 11	22 15	16 12	13 11	12 11	14 11	20 18	12 7	8 6	26 18	16 10	199 145		32.51	
Cumberland	Geltsdale	20 16	17 13	15 13	18 15	14 12	12 10	21 15	25 16	18 14	8 4	28 22	26 20	222 170		42.53	
"	Keswick (High Hill)	20 16	23 18	17 13	22 14	14 12	11 11	17 15	24 18	16 15	7 6	27 23	26 25	224 186		68.69	
"	Ravenglass (The Grove)	21 19	20 17	18 14	9 7	13 12	8 7	16 14	19 18	16 16	8 8	24 23	22 18	194 173		53.92	
Glamorgan	Treherbert (Tyn-y-waun)	25 25	22 20	23 21	16 15	16 14	12 12	10 8	25 23	17 16	11 9	26 25	23 19	226 207		104.02	
Cardiff	Llandeusan (Ponterynfe) ..	28 16	22 18	26 22	18 13	19 14	11 8	12 11	27 23	16 13	12 5	27 23	27 21	245 187		65.87	
Pembroke	Tenby (The Priory)	26 20	21 16	23 18	13 10	18 13	9 5	11 5	24 19	18 16	14 8	26 19	25 17	228 166		44.36	
Radnor	Birmingham W. W. (Tym'dd)	28 20	21 19	26 21	17 16	17 12	15 7	16 8	26 20	21 15	10 6	28 26	27 23	252 193		68.18	
Montgomery	Lake Vyrnwy (Exper. Station)	24 20	22 18	23 20	18 17	17 15	14 11	14 10	25 22	20 13	10 5	29 25	27 22	243 198		73.17	
Merioneth	Aberdovey (Plás Penhelig)...	24 20	23 19	24 21	16 14	14 12	11 5	16 11	24 21	16 14	9 6	28 25	28 23	233 191		48.84	
Anglesey	Llanerchymedd (Llwydiarth Esgob)	23 18	20 17	25 21	14 11	14 12	9 8	13 9	21 17	18 17	8 5	26 23	27 22	218 180		46.57	
England and Wales	Mean of 48 Stations Average (1881-1915)	20 15	21 17	22 17	15 12	15 12	10 7	11 7	21 16	14 11	10 6	24 20	19 14	202 154		..	
		18 ..	15 ..	16 ..	14 ..	14 ..	13 ..	14 ..	16 ..	13 ..	18 ..	18 ..	19 ..	188 ..		..
ISLE OF MAN	Douglas (Borough Cemetery)	25 19	21 14	20 16	14 6	15 12	8 7	10 8	18 14	15 13	9 6	27 23	24 24	206 162		46.58	
SCOTLAND																	
Wigtown	Castle Kennedy (Lochinch) ..	24 20	19 16	21 15	19 12	11 9	11 9	15 12	23 15	17 12	10 6	27 25	24 21	221 172		45.51	
Kirkcudbright	Lochrutton (Dumfries W.W.)	24 22	20 14	17 14	15 12	9 8	12 10	15 13	22 17	16 12	9 5	27 24	25 24	211 175		54.05	
Peebles	Stobo Castle	21 17	22 16	20 16	22 14	13 11	11 7	17 11	27 19	15 12	8 6	23 19	24 20	223 168		41.95	
Berwick	Marchmont House	19 18	22 14	21 17	17 12	13 9	9 5	15 11	21 13	12 8	7 4	23 19	16 8	195 138		30.62	
Lanark	Strathaven (Glengavel Res.) ..	23 20	24 16	19 13	20 16	13 9	14 12	22 17	27 21	16 14	13 10	30 26	27 25	248 199		58.82	
Renfrew	Greenock (Prospect Hill) ...	27 18	20 17	20 14	16 12	10 7	13 10	19 16	19 16	17 14	14 7	27 23	28 23	229 177		57.31	
Stirling	Falkirk (Arnotdale)	23 19	17 13	19 15	19 12	10 5	11 9	16 14	24 19	13 10	13 7	27 21	27 21	215 163		41.00	
Argyll	Inveraray Castle Gardens	25 23	21 20	16 14	19 16	8 6	10 10	22 18	24 19	18 15	13 12	28 25	29 29	233 207		81.01	
"	Islay (Eallabus)	24 23	21 20	19 18	16 13	7 7	9 7	20 15	21 19	17 16	12 10	27 26	28 27	221 201		49.65	
"	Mull (Gruline)	28 27	21 17	24 21	22 17	11 6	11 10	25 22	26 24	20 18	17 15	29 29	29 29	263 235		87.17	

Table 2B Number of Rain-days (.01 in. or more) and of Wet-days (.04 in. or more) in 1951 (concluded)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Total Rain-fall.
SCOTLAND															
(continued)															in.
Argyll14	Tiree Airport	27 24	21 17	20 15	17 12	5 4	11 8	21 15	19 16	21 16	18 14	29 24	29 27	238 192	50.15
Fife3	Leuchars Airfield	20 14	20 12	15 11	11 8	12 7	10 8	16 13	19 15	10 9	8 1	21 18	15 10	177 126	30.28
Perth11	Aberfeldy (Tigh'n Eilean)	19 14	19 11	19 12	18 9	10 8	13 11	14 7	26 18	11 10	14 7	28 20	26 17	217 144	42.00
Aberdeen1	Braemar (Bank)	20 14	19 18	25 16	19 13	12 8	10 9	14 8	23 17	12 8	12 6	28 21	20 13	214 151	38.69
"2	Dyce (Craibstone)	15 13	21 15	21 13	19 14	14 11	15 8	19 14	21 16	13 7	9 5	24 18	15 8	206 140	39.76
"4	Peterhead (Forehill Works)	20 14	22 14	23 17	19 15	10 7	11 8	19 13	20 15	12 7	9 5	25 20	18 13	208 148	31.59
Moray2	Fochabers (Gordon Castle)	14 13	18 14	20 16	22 16	10 6	13 9	18 15	23 18	10 5	9 7	26 23	16 14	199 156	32.91
Nairn2	Nairn (Achareidh)	16 12	16 12	17 12	20 17	8 6	14 10	20 14	25 14	10 5	12 9	21 15	21 14	200 140	26.82
Inverness2	Dalwhinnie	25 18	21 13	21 13	21 15	7 5	16 9	18 13	25 17	17 14	10 9	26 24	28 22	235 172	41.90
"6	Loch Ness (Garthbeg)	21 19	21 17	21 13	25 18	5 3	18 12	18 13	26 21	16 7	16 9	26 19	29 24	242 175	44.22
"17	Fort William (Teviot)	27 22	22 17	19 14	24 16	6 4	14 12	21 18	22 21	18 16	15 11	27 24	30 29	245 204	79.44
"18	Skye (Broadford)	26 24	23 17	21 16	23 18	6 5	15 13	22 19	26 20	21 18	20 17	29 26	30 29	262 222	76.45
Ross and Cromarty 7	Inverbroom (Glackour)	23 21	18 15	22 18	22 22	9 7	15 9	18 14	24 19	16 15	15 13	25 23	29 27	236 203	59.94
" 10	Stornoway Airport	26 26	22 14	22 18	23 20	6 5	16 11	22 21	23 18	19 15	19 17	27 23	29 26	254 214	42.20
Sutherland 1	Loch Shin (Corrykinloch)	28 26	25 21	28 20	28 24	14 10	13 12	23 18	27 22	17 16	17 15	29 25	31 30	280 239	77.73
" 4	Tongue	23 20	24 18	27 21	24 22	8 3	13 9	22 14	24 20	18 10	15 12	26 22	28 25	252 196	41.56
Caithness 2	Wick Airport	20 16	24 18	22 17	22 14	8 3	11 7	18 13	20 13	17 9	10 7	27 25	24 14	223 156	31.06
Scotland	Mean of 27 Stations	23 19	21 16	21 16	20 15	9 7	13 9	19 14	23 18	15 12	13 9	26 22	25 21	228 178	..
	Average (1881-1915)	20 ..	18 ..	19 ..	16 ..	16 ..	15 ..	18 ..	19 ..	17 ..	19 ..	19 ..	21 ..	217 ..	..
NORTHERN IRELAND															
Fermanagh 1	Newtownbutler (Crom Castle)	23 15	24 16	24 15	23 11	13 7	15 9	19 11	29 23	23 14	19 9	26 18	27 23	265 171	38.54
" 1	Belleek (Roscor)	23 21	23 19	20 19	20 14	11 9	13 12	20 17	28 21	22 19	17 9	25 24	28 25	250 209	49.94
Armagh5	Armagh Observatory	22 16	19 16	19 15	18 10	14 9	12 10	16 12	24 23	17 13	11 5	21 19	21 19	214 167	34.12
Down4	Donaghadee (Orlock Res.)	24 21	17 13	15 13	11 5	12 9	9 6	10 9	20 14	13 11	7 1	22 18	21 14	181 134	32.95
Antrim5	Ballymena (Harryville)	23 17	20 17	21 14	18 13	14 6	14 13	18 12	27 21	21 12	15 8	30 20	24 17	245 170	39.35
Tyrone3	Omagh (Edenfel)	25 18	22 17	20 16	21 11	13 7	14 10	19 12	29 22	20 17	14 7	26 24	27 20	250 181	39.94
Northern Ireland	Mean of 6 Stations	23 18	21 16	20 15	18 11	13 8	13 10	17 12	26 21	19 14	14 6	25 21	25 20	234 172	..

3 Absolute Droughts, Partial Droughts and Dry Spells in 1951

The following definitions have been 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 $\cdot 01$ in. of rain or more.

A **partial drought** is a period of at least 29 consecutive days, the mean daily rainfall of which does not exceed $\cdot 01$ in.

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

These terms are used in *British Rainfall* only in the senses stated. More concise definitions of two 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 definitions of absolute drought and partial drought were 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, partial droughts and dry spells which occurred at the 82 selected stations of Table 2B. The monthly totals at these stations are included in Table 8C.

Of the selected stations, 11 did not record a drought or a dry spell during the year—8 in England, 2 in Scotland and one in the Isle of Man, and their names are omitted from Table 3C.

In tables 3A and 3B, the total numbers of

droughts and dry spells recorded at the 82 stations in 1951 are compared with those in the eight preceding years. The tables show that in 1951 there were, compared with 1950, 14 fewer absolute droughts, 1 more partial drought and 12 fewer dry spells.

Absolute droughts were recorded at 9 stations in England, none in Wales, 15 in Scotland and 2 in Northern Ireland, making 26 in all out of the 82 selected stations. The drought between May 25 and June 11 occurred at 12 stations, and was mainly confined to the northern half of Scotland. Tiree recorded 2 droughts during the year. The longest drought was at Newcastle-upon-Tyne, lasting 23 days from September 16 to October 18.

The number of partial droughts at the selected stations, 16, was the smallest in any year since 1927, except 1950 which had 15, and longer partial droughts were recorded in each year since 1936. The partial droughts occurred in eastern districts, as well as in the south of England, the south-west of Scotland and in County Down. All occurred within the period September 15 to November 2, except for one at Bournemouth lasting for 40 days from June 12 to July 21, the longest of the year. No station recorded more than one partial drought.

Of the 94 dry spells, 40 occurred in England, 10 in Wales, 35 in Scotland and 9 in Northern Ireland. No dry spells were recorded during

the year at stations in the west Midlands and Southern Uplands of Scotland. Two occurred between December 20, 1950 and January 3, 1951, 2 between January 17 and February 1, 41 between April 13 and June 12, 8 between June 12 and August 1, 37 between September 19 and October 29 and 4 between

December 9 and 23. There were 3 dry spells each at Horncastle, Dalwhinnie, Fochabers and Wick. The longest of the year, the 25 days from September 26 to October 20 at Dyce, was exceeded every year since records started in 1917, except for 1930 when the longest dry spell was 22 days.

Table 3A Droughts at 82 Stations, 1943-1951

Year	ABSOLUTE DROUGHTS*				PARTIAL DROUGHTS†			
	Number at 82 Stations	Mean Duration	Longest	Stations without one	Number at 82 Stations	Mean Duration	Longest	Stations without one
		Days	Days			Days	Days	
1943	61	21	41	47	50	48	79	34
1944	25	17	21	62	42	41	66	52
1945	33	19	24	55	58	33	44	41
1946	57	17	25	36	50	34	59	42
1947	114	25	44	3	128	43	103	3
1948	29	17	23	57	44	38	54	44
1949	75	20	37	27	89	38	65	20
1950	41	16	21	49	15	36	42	68
1951	27	16	23	56	16	33	40	66

* 15 days without a rain-day

† 29 days averaging not more than .01 inch

Table 3B Dry Spells‡ at 82 Stations, 1943-1951

Year	Number at 82 Stations	Mean Duration	Longest Spell	Number of Stations with			
				None	1 or 2	3 or 4	5 or more
		Days	Days				
1943	129	22	47	28	27	27	0
1944	96	19	37	41	27	9	5
1945	125	20	35	14	52	16	0
1946	132	18	29	10	60	12	0
1947	179	25	53	1	51	30	0
1948	107	19	32	18	55	9	0
1949	162	22	55	12	42	26	2
1950	106	17	27	24	47	9	2
1951	94	18	32	12	66	4	0

‡ 15 days without a wet-day

Table 3c Droughts and Dry Spells in 1951

County and River Division	Station	Absolute Droughts				Partial Droughts				Dry Spells			
		Began	Ended	Lasted days	Rain in.	Began	Ended	Lasted days	Rain in.	Began	Ended	Lasted days	Rain in.
ENGLAND AND WALES													
London.....2	St. Pancras (Camden Square) .	Apr. 14	Apr. 28	15		.. 28	Oct. 27	30	.. 30	Apr. 13	Apr. 28	16	.. 03
Kent.....1	Folkestone (Cherry Garden) ..	..	..	..		..	..	..	..	Dec. 9	Dec. 23	15	.. 06
Sussex.....3	Worthing (Beach House Park) .	..	..	..		.. 28	Oct. 27	30	.. 23	Jun. 23	Jul. 8	16	.. 05
Hampshire.....1	Ventnor Park .....	..	..	..		.. 28	Oct. 27	30	.. 23	.. 15	.. 8	24	.. 10
".....2	Bournemouth (Vale View) .....	..	..	..		.. 12	Jul. 21	40	.. 31	Jun. 12	Jun. 28	17	.. 07
Hertford.....2	Harpenden (Rothamsted) .....	..	..	..		..	..	..	..	Sep. 28	Oct. 19	22	.. 06
".....3	Royston (Therfield Rectory) ..	..	..	..		..	..	..	..	Sep. 29	Oct. 19	21	.. 02
Oxford.....3	Oxford (Radcliffe Met. Stn.) ..	..	..	..		..	..	..	..	Dec. 9	Dec. 23	15	.. 10
Northampton...4	Wellingborough (Swanspool) ..	..	..	..		..	..	..	..	Apr. 14	Apr. 29	16	.. 04
Huntingdon...1	Whittlesea Mere .....	.. 28	Oct. 12	15		..	..	..	..	Sep. 28	Oct. 19	22	.. 05
Essex.....3	Shoeburyness .....	..	..	..		..	..	..	..	May 27	Jun. 10	15	.. 04
Suffolk.....4	Lowestoft (Secondary School) .	Oct. 2	Oct. 16	15		.. 28	Oct. 27	30	.. 26	Dec. 9	Dec. 23	15	.. 04
Norfolk.....3	Hunstanton .....	..	..	..		..	..	..	..	Sep. 28	Oct. 19	22	.. 03
".....4	Thetford (Waterworks) .....	..	..	..		..	..	..	..	Sep. 28	Oct. 19	22	.. 05
Devon, S.....5	Teignmouth (Den Gardens) ..	..	..	..		.. 28	Oct. 26	29	.. 20	Sep. 28	Oct. 19	22	.. 07
Cornwall.....1	Bude (School House) .....	..	..	..		..	..	..	..	Sep. 28	Oct. 15	18	.. 06
".....2	St. Austell (Poltair Public Gdns.)	..	..	..		..	..	..	..	Sep. 13	Oct. 27	15	.. 01
".....4	Scilly (Tresco Abbey) .....	..	..	..		..	..	..	..	Apr. 13	Aug. 1	21	.. 05
Somerset.....1	Bath (Henrietta Park) .....	..	..	..		.. 28	Oct. 27	30	.. 28	Jul. 12	Feb. 1	16	.. 15
".....3	Taunton (Vivary Park)	Oct. 4	Oct. 19	16		Sep. 28	Oct. 26	29	.. 26	.. 28	Oct. 19	22	.. 08
Lincoln.....3	Horncastle .....	..	..	..		..	..	..	..	Apr. 14	Apr. 28	15	.. 05
Nottingham...5	Mansfield (Carr Bank) .....	..	..	..		..	..	..	..	Jul. 14	Jul. 29	16	.. 07
Cheshire.....2	Northwich (Hunts Lock) .....	..	..	..		..	..	..	..	Sep. 28	Oct. 19	24	.. 04
".....3	Birkenhead (Bidston Obsy.) .....	..	..	..		..	..	..	..	Sep. 28	Oct. 19	22	.. 04
Lancashire, C...1	Squires Gate (Blackpool Airport)	..	..	..		..	..	..	..	Sep. 28	Oct. 18	21	.. 06
Yorks, W. R....8	Wakefield (Clarence Park)	Oct. 3	Oct. 19	17		..	..	..	..	Sep. 28	Apr. 28	15	.. 03
										Sep. 28	Oct. 19	22	.. 02

4 Rain Spells and Wet Spells in 1951

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 inch of rain or more.

A **wet spell** is a period of at least 15 consecutive days to each of which is credited .04 inch 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 1951 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 number of stations omitted is 23, of which 16 are in England, five in Scotland and two in Northern Ireland.

The dates of commencement of rain spells and wet spells which began in December 1950 are given in the form "27. xii. 50" to distinguish them from spells occurring in December 1951. None of these was of sufficient duration in 1950 to qualify for inclusion in Table 4c for that year.*

In 1951 the total number of rain spells at the selected stations was 112 and of these 23 ranked as or included wet spells.

The longest rain spell, 49 days with 22.80

inches of rain, was recorded at Loch Shin from November 13 to December 31. Rain spells of shorter duration but of greater intensity occurred elsewhere during the same period. Fort William in the 17 days from November 23 to December 9 recorded 9.85 inches, and Treherbert in the 16 days from October 27 to November 11 9.20 inches—both giving a mean daily fall of .58 inches.

Of the 112 rain spells no less than 55 occurred between October 27 and December 31, affecting most areas except parts of the Midlands and south-east England. The 21 rain spells between December 29, 1950 and January 23 were largely confined to the western half of Britain and to Northern Ireland; the 23 from January 24 to April 20 to southern England, north-west Scotland and Northern Ireland; and the 12 from August 5 to September 7 mostly to western Scotland and Northern Ireland.

No rain spells occurred anywhere in May and July, and only one in June—at Loch Ness (Garthbeg).

Of the 23 wet spells recorded during 1951, 14 occurred between October 27 and December 11 and were distributed in Hampshire, Somerset and Glamorgan and over much of western Scotland, where to the north most of the other wet spells occurred. The longest was at Mull during the 32 days from November 8 to December 9 with a total rainfall of 12.63 inches; the most intense at Loch Shin from November 20 to December 11 with 14.09

* The precise procedure adopted in the allocation of rain spells or wet spells which cover parts of two years is set out in the footnote on p. 25, *British Rainfall* 1926.

inches for the 22 days, a mean daily fall of .64 inches. and wet spells recorded in 1951 with those for the years 1943-1950 is given in Tables 4A and 4B.

A comparison of the statistics of rain spells

Table 4A Rain Spells* at 82 stations, 1943-1951

Year	No. of rain spells	DURATION OF SPELLS				STATIONS WITH			
		Mean		Longest		None	1 or 2	3 or 4	5 or more
		Days	Mean rain per day	Days	Mean rain per day				
1943 ..	98	22	in. .27	42	in. .28	42	26	9	5
1944 ..	95	21	.26	67	.19	35	35	10	2
1945 ..	86	19	.26	40	.24	35	37	9	1
1946 ..	134	21	.28	42	.18	22	42	15	3
1947 ..	82	20	.26	34	.20	26	48	8	0
1948 ..	107	21	.30	54	.37	37	29	10	6
1949 ..	109	22	.30	41	.44	48	14	14	6
1950 ..	139	21	.30	50	.35	35	23	12	12
1951 ..	112	19	.28	49	.47	23	44	13	2

* At least .01 inch each day for 15 days or more

Table 4B Wet Spells† at 82 stations, 1943-1951

Year	No. of wet spells	DURATION OF SPELLS				STATIONS WITH			
		Mean		Longest		None	1 or 2	3 or 4	5 or more
		Days	Mean rain per day	Days	Mean rain per day				
1943 ..	15	21	in. .37	26	in. .63	71	10	1	0
1944 ..	21	18	.63	25	.49	66	16	0	0
1945 ..	22	16	.35	20	.41	65	17	0	0
1946 ..	42	19	.38	37	.40	57	22	3	0
1947 ..	21	17	.35	25	.25	64	18	0	0
1948 ..	28	19	.38	31	.28	63	17	2	0
1949 ..	32	20	.40	34	.54	68	10	2	2
1950 ..	38	19	.41	38	.64	61	15	6	0
1951 ..	23	18	.42	32	.39	66	15	1	0

† At least .04 inch each day for 15 days or more

Table 4c Rain Spells and Wet Spells in 1951

County and River Division	Station	Rain Spells*				Wet Spellst				Max. in a Day during Rain Spells	
		Began	Ended	Lasted	Total Rain	Began	Ended	Lasted	Total Rain	Date	Rain
ENGLAND AND WALES											
Kent1	Folkestone (Cherry Garden)	Oct. 28	Nov. 11	15 days	in. 4.30	..	..	..	in. .	Oct. 28	in. .85
"4	Edenbridge (Falconhurst)	Mar. 31	Apr. 14	15	2.17	..	..	..	..	Apr. 8	.57
Hampshire . .1	Ventnor Park	30.xii.50	Jan. 13	15	4.11	..	..	..	..	Jan. 1	1.00
"2	Bournemouth (Vale View)	Oct. 28	Nov. 11	15	6.43	Oct. 28	Nov. 11	15	6.43	Nov. 8	1.30
"7	Selborne (The Wakes)	Oct. 28	Nov. 11	15	7.28	Oct. 28	Nov. 11	15	7.28	Nov. 8	1.47
Hertford2	Harpden (Rothamsted)	Oct. 27	Nov. 12	17	6.32	Oct. 28	Nov. 12	16	6.31	Nov. 5	1.99
Oxford3	Oxford (Radcliffe Met. Station)	30.xii.50	Jan. 14	16	3.24	..	..	..	..	Jan. 1	.85
Northampton.4	Wellingborough (Swanspool)	Oct. 29	Nov. 12	15	3.89	..	..	..	..	Nov. 5	1.21
Essex3	Shoeburyness	Oct. 28	Nov. 12	16	3.01	..	..	..	..	Nov. 5	1.09
Norfolk4	Thetford (Waterworks)	Feb. 3	Feb. 22	20	3.59	..	..	..	..	Feb. 4	.67
Devon, S. . . .5	Teignmouth (Den Gardens)	Feb. 9	Feb. 26	18	2.06	..	..	..	..	Feb. 20	.38
		Mar. 5	Mar. 19	15	3.52	..	..	..	..	Mar. 13	.70
		Oct. 27	Nov. 12	17	3.72	..	..	..	..	Nov. 4	.94
Devon, N. . . .1	Ilfracombe (Bowling Green)	Jan. 3	Jan. 18	16	4.26	..	..	..	..	Jan. 4	.76
Cornwall.1	Bude (School House)	Oct. 27	Nov. 10	15	2.78	..	..	..	..	Nov. 4	.55
"2	St. Austell (Poltair Public Gdns.)	30.xii.50	Jan. 14	16	4.97	..	..	..	..	Jan. 5	1.20
		Jan. 29	Feb. 12	15	1.30	29.xii.50	Jan. 14	17	5.19	Feb. 3	.33
		29.xii.50	Jan. 14	17	5.19	..	..	..	..	Jan. 5	.89
		Mar. 6	Mar. 21	16	4.26	..	..	..	..	Mar. 6	1.10
		Mar. 28	Apr. 13	17	3.65	..	..	..	..	Apr. 5	.74
		Oct. 27	Nov. 12	17	4.66	..	..	..	..	Nov. 3	.91
		29.xii.50	Jan. 14	17	4.61	..	..	..	..	Jan. 1, 5	.70
Somerset1	Bath (Henrietta Park)	Mar. 26	Apr. 12	18	1.96	..	..	..	..	Apr. 6	.32
"3	Taunton (Vivary Park)	Oct. 27	Nov. 11	16	5.72	..	..	..	..	Nov. 4	1.14
		Mar. 5	Mar. 19	15	2.42	..	..	..	..	Mar. 6	.44
		Oct. 27	Nov. 11	16	6.02	Oct. 27	Nov. 11	16	6.02	Nov. 4	1.23
Hereford1	Ross-on-Wye	30.xii.50	Jan. 14	16	2.97	..	..	..	..	Jan. 5	.50
		Oct. 27	Nov. 12	17	5.13	..	..	..	..	Nov. 4	1.00
Lincoln3	Horncastle	Oct. 28	Nov. 25	29	4.59	..	..	..	..	Nov. 24	.82
Cheshire2	Northwich (Hunts Lock)	Nov. 14	Nov. 28	15	3.07	..	..	..	..	Nov. 20	.70
Yorks, N.R. . .5	Scarborough	Oct. 30	Nov. 14	16	3.23	..	..	..	..	Nov. 5	1.08

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

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

Table 4c Rain Spells and Wet Spells in 1951 (continued)

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	Rain	
										Date	in.
ENGLAND AND WALES (continued)	Northumber-land 3	Nov. 4	Nov. 20	17	4.05	..	..	..	..	Nov. 5	1.54
	.. . . . 6	Nov. 4	Nov. 24	21	6.06	..	..	..	..	Nov. 4	1.06
	Cumberland . 1	Nov. 1	Nov. 24	24	6.68	..	..	..	..	Nov. 19	.83
	.. . . . 2	Nov. 8	Nov. 24	17	8.49	..	..	..	..	Nov. 20	1.52
	Glamorgan . . 6	Oct. 27	Nov. 11	16	9.20	Oct. 27	Nov. 11	16	9.20	Nov. 4	2.61
	Cardiff . . . 2	30.xii.50	Jan. 23	25	7.06	..	..	..	..	Jan. 4	1.08
	.. . . . 4	Oct. 27	Nov. 12	17	6.84	..	..	..	..	Nov. 4	1.61
	.. . . . 1	29.xii.50	Jan. 14	17	4.75	..	..	..	..	Jan. 5	.93
	.. . . . 5	Oct. 27	Nov. 11	16	4.51	..	..	..	..	Nov. 3	1.32
	.. . . . 3	Jan. 3	Jan. 23	21	6.70	..	..	..	..	Jan. 6	.97
ISLE OF MAN	Birmingham W. W. (Tyrmynydd).	Aug. 23	Sep. 7	16	3.67	..	..	..	..	Aug. 25	.77
	Lake Vyrnwy (Exper. Station) . . .	Jan. 3	Jan. 18	16	6.22	..	..	..	..	Jan. 16	1.00
	.. . . . 5	Oct. 30	Nov. 24	26	10.77	..	..	..	..	Nov. 24	1.35
	.. . . . 5	Nov. 26	Dec. 11	16	5.06	..	..	..	..	Dec. 4, 8	1.22
	.. . . . 5	Nov. 14	Dec. 9	26	5.78	..	..	..	..	Dec. 5	.85
	.. . . . 5	Dec. 13	Dec. 29	17	4.40	..	..	..	..	Dec. 23	.75
	.. . . . 5	Jan. 3	Jan. 19	17	4.10	..	..	..	..	Jan. 16	.86
	.. . . . 5	Nov. 14	Nov. 28	15	4.01	..	..	..	..	Nov. 20	.79
	.. . . . 5	Nov. 14	Nov. 28	15	4.95	Nov. 14	Nov. 28	15	4.95	Nov. 20	.78
	.. . . . 5	Aug. 15	Aug. 29	15	5.07	..	..	..	..	Aug. 25	.88
SCOTLAND	Wigtown 1	Aug. 16	Sep. 1	17	2.20	..	..	..	..	Aug. 20	.40
	Kirkcudbright 5	Jan. 6	Jan. 21	16	5.15	..	..	..	..	Jan. 16	1.63
	Peebles 2	Aug. 15	Aug. 29	15	3.87	..	..	..	..	Aug. 18	.63
	Lanark 5	Nov. 1	Dec. 19	39	11.79	Nov. 3	Nov. 20	18	5.02	Nov. 19	.92
	.. . . . 3	Jan. 7	Jan. 22	16	5.24	..	..	..	..	Jan. 16	1.32
	.. . . . 3	Jan. 25	Feb. 9	16	3.20	..	..	..	..	Feb. 5	.83
	.. . . . 1	Nov. 8	Nov. 24	17	4.65	..	..	..	..	Nov. 23	.83
	.. . . . 1	Aug. 16	Aug. 30	15	2.26	..	..	..	..	Aug. 28	.40
	.. . . . 1	Nov. 14	Nov. 28	15	4.95	Nov. 14	Nov. 28	15	4.95	Nov. 20	.78
	.. . . . 1	Aug. 15	Aug. 29	15	5.07	..	..	..	..	Aug. 25	.88

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

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

Table 4c Rain Spells and Wet Spells in 1951 (continued)

County and River Division	Station	Rain Spells*				Wet Spellst				Max. in a Day during Rain Spells	
		Began	Ended	Lastest	Total Rain	Began	Ended	Lastest	Total Rain	Date	Rain
SCOTLAND (continued)	Argyll .....11	Jan. 25 Aug. 16 Nov. 8	Feb. 8 Aug. 30 Dec. 9	15 15 32	in. 3.93 4.88	..	..	..	..	Feb. 4 Aug. 16 Dec. 3	in. .65 1.00
	"14	Jan. 3 Jan. 24 Nov. 8	Jan. 22 Feb. 8 Dec. 9	20 16 32	12.93 8.09 8.36	Nov. 25 Jan. 3	Dec. 9 Jan. 22	15 20	8.73 8.09	Jan. 16 Jan. 30 Nov. 14	1.23 1.58 1.14
	"14	Jan. 3 Nov. 8	Jan. 22 Dec. 11	20 34	12.63 5.33	Nov. 8	Dec. 9	32	12.63	Jan. 16 Nov. 14	1.21 1.73
	Perth .....11	Nov. 8 Aug. 11 Nov. 3	Dec. 11 Aug. 29 Nov. 21	19 19 17	7.50 4.26 9.64	..	..	..	..	Nov. 14 Aug. 11 Nov. 4	1.07 1.07 3.47
	Aberdeen ....1	Nov. 23 Nov. 23	Dec. 9 Dec. 9	17 17	2.46 2.01	..	..	..	..	Dec. 7 Nov. 23	.46 .29
	"2	Nov. 2 Oct. 28	Nov. 19 Nov. 12	18 16	7.70 3.45	..	..	..	..	Nov. 5 Nov. 2	2.77 .77
	Moray .....2	Nov. 26 Apr. 1	Dec. 10 Apr. 18	15 18	3.77 4.96	..	..	..	..	Nov. 27 Nov. 6	.82 1.30
	Inverness ....2	Apr. 1 Jun. 11	Dec. 10 Jun. 27	18 17	2.49 1.15	..	..	..	..	Apr. 6 Jun. 25	.65 .24
	"6	Oct. 28 Nov. 23	Nov. 11 Dec. 10	15 18	5.19 8.20	..	..	..	..	Nov. 3 Dec. 7	1.01 1.55
	"17	Jan. 4 Jan. 24	Jan. 22 Feb. 8	19 16	3.24 9.85	..	..	..	..	Jan. 16 Feb. 1	1.42 1.22
	Fort William (Teviot).....	Nov. 23 Dec. 11	Dec. 9 Dec. 31	17 21	9.85 9.85	Nov. 23	Dec. 9	17	9.85	Dec. 4 Dec. 17	1.34 1.51
	Skye (Broadford)	Jan. 3 Feb. 16	Jan. 22 Mar. 5	20 18	7.26 4.64	..	..	..	..	Jan. 16 Feb. 17	1.16 1.50
	"18	Mar. 21 Aug. 16	Apr. 17 Sep. 4	28 20	8.42 6.22	..	..	..	..	Apr. 3 Sep. 1	1.50 .97
	"18	Nov. 5 Dec. 13	Dec. 11 Dec. 31	37 19	13.38 6.67	Nov. 13	Dec. 11	29	12.67	Dec. 7 Dec. 17	1.58 1.10

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

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

Table 4c Rain Spells and Wet Spells in 1951 (continued)

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
SCOTLAND											
(continued)											
Ross and Cromarty	Inverbroom (Glackour)	Aug. 5	Aug. 23	19 days	in. 4.47	Nov. 20	Dec. 5	16	in. 8.92	Aug. 22	in. .90
"	Stornoway Airport	Dec. 11	Dec. 31	21	5.86	Dec. 14	Dec. 31	18	5.79	Nov. 27	1.00
"	Loch Shin (Corrykinloch)	Apr. 3	Apr. 20	18	3.92	Apr. 3	Apr. 17	15	3.84	Dec. 29	.91
"		Nov. 14	Dec. 10	27	6.71	Dec. 17	Dec. 31	15	3.66	Apr. 17	.60
"		Dec. 13	Dec. 31	19	3.89	Jan. 7	Jan. 22	16	6.70	Nov. 30	.65
"		Jan. 7	Jan. 22	16	6.70					Dec. 28	.52
"		Jan. 24	Feb. 12	20	2.19					Jan. 17	1.26
"		Feb. 16	Mar. 4	17	5.10					Feb. 17	1.98
"		Mar. 20	Apr. 20	32	13.99	Apr. 3	Apr. 19	17	9.58	Apr. 16	1.91
"		Nov. 13	Dec. 31	49	22.80	Nov. 20	Dec. 11	22	14.09	Nov. 30	1.21
"						Dec. 13	Dec. 31	19	7.89		
"	Tongue	Apr. 3	Apr. 20	18	3.77	Apr. 3	Apr. 20	18	3.77	Apr. 4	.50
"		Nov. 20	Dec. 10	21	7.07	Nov. 20	Dec. 10	21	7.07	Nov. 23	.76
"		Dec. 14	Dec. 31	18	3.80					Dec. 30	.78
"		Nov. 20	Dec. 11	22	3.65					Nov. 23	.46
Caitness	Wick Airport										
NORTHERN IRELAND											
Fermanagh	Newtownbutler (Crom Castle) ...	Mar. 18	Apr. 17	31	4.41					Mar. 21	.61
"	Belleck (Roscor)	Aug. 10	Sep. 5	27	4.35					Aug. 23	1.11
"	Ballymena (Harryville)	Aug. 18	Sep. 1	15	3.47					Aug. 23	1.12
"		Jan. 9	Jan. 23	15	2.43					Jan. 16	.42
"		Oct. 29	Dec. 5	38	8.21					Nov. 4	1.88
"		Jan. 9	Jan. 23	15	2.47					Jan. 10	.46
"		Mar. 21	Apr. 9	20	3.06					Mar. 28	.44
"		Aug. 5	Aug. 26	22	3.42					Aug. 23	1.08
"		Nov. 14	Dec. 8	25	3.68					Nov. 14	.41

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

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

5 Duration of Rainfall in 1951

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 record 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.

The duration of rainfall 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 in. per hour. The 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, during very light rainfall, it was found to be almost impossible to define the exact point on the record where the change occurred from "no rain" to "rain". 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 in.) 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 a good representation over the country. At 96 of the stations

records were obtained from a tilting-siphon rain recorder.

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.

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, pp. 30-31.

In 1951 autographic instruments in nearly all parts of the country registered over the year a duration of rainfall which was greater than the normal. In Scotland the excess was not large and annual totals were about average at Central Lowland stations.

A duration exceeding 1,000 hours was measured from the recorder charts of 14 of the stations in the Table, the maximum values being at places in mountainous areas mostly in the west of Great Britain, where the annual rainfall amounts are always large. The greatest duration for the year, 1,621 hours, was again reported from Loch Sloy Power Station, where the amount for the year was 101 inches. The new recorder at Cantref Reservoir, over 1,000 feet above sea-level, showed a duration of 1,510 hours for the year's fall of 80 inches. At both these stations, half the total duration for the year was accounted for in the four months January, February, November and December. Totals between 1,200 and 1,500 hours were recorded at Fort William and Eskdalemuir in Scotland, Snowdon (Cwm Dyli) and Taf

Fechan (Pontsticill) in Wales, and Keswick in England.

As usual, the lowest figures for the year came from places in the eastern half of England. The year 1951 was generally wetter than 1950 in England, and the minima were less striking. At Chelmsford, where rain fell for only 340 hours in 1950, there was a duration of 506 hours in 1951. The minimum measurement appearing in the Table is that of 457 hours at Nottingham (Sneinton Pumping Station) while other stations with less than 500 hours were Billingham-on-Tees, Ipswich and Finningley. At Bridgwater in Somerset the duration for 33·26 inches of rain was only 509 hours.

Over most of the country November 1951 was the month with the greatest duration as well as the largest rainfall, though longer periods were measured at some stations in February in south-east England; in March over the north Midlands and North Wales; and in December in mid-Wales and some counties of south and east Scotland. For a very few stations in south-west England and in Scotland the longest duration was in January. Monthly readings exceeded 200 hours in November or December at Fort William (Teviot), Cantref, and Earby (Yorkshire), and in both months at Loch Sloy and Keswick.

The duration was smallest generally in the months of June, July and October, though at many stations in Scotland the least was recorded in May, and at a few places

September gave the minimum values. Of the stations included in the Table, there was less than ten hours' rain at two in May, four in June, four in July and three in October, the smallest durations being four hours at Bridgwater in June and six at both Lerwick in May and Ross-on-Wye in July.

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 ·074 in. per hour at Swansea to ·046 in. at Mildenhall and Aldergrove. The highest monthly mean rate was ·116 in. per hour at Ross-on-Wye in July, when ·71 inch of rain fell in 6·1 hours, and the lowest ·024 in. per hour at Tiree in May, when about the same amount, ·70 inch, was spread over 28·7 hours.

Usually, the intensity of the rainfall is greatest in the warmer months, especially July, August and September, when the thunderstorm frequency is highest. Taking the means of the monthly values of the 15 stations tabled, the highest rate for 1951 was ·073 in. per hour in July. The lowest mean rate for these selected stations, ·042 in. per hour was for March, and the second lowest in May (·046 in. per hour). During the wet November, when the mean rate of fall was ·058, that at Dyce, Aberdeenshire, was ·071 in. per hour—8·46 inches of rain in 118·3 hours.

Table 5A Duration of Rainfall at 145 Stations during 1951 (Monthly and Annual values)

County and River Division	Station	Pattern of Gauge	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
London	Kensington Palace	Nat. Siphon	80	61	105	(65)	hr. (45)	42	12	11	42	29	21	98	47	578
"	St. Pancras (Camden Square)	Tilt. Siphon	111	66	127	78	50	50	17	13	50	37	22	108	56	674
Surrey	Lingfield (Sewage Works)	Tilt. Siphon	155	76	108	69	35	31	17	18	59	30	20	106	56	625
"	Caterham (Alderstead Heath)	Tilt. Siphon	577	88	133	94	57	54	20	23	68	37	21	123	67	785
"	Croydon Airport	Tilt. Siphon	201	75	141	74	46	43	15	15	51	32	21	115	56	684
"	Beddington Park	Tilt. Siphon	108	72	122	68	44	44	12	14	43	30	16	106	55	626
"	Dorking (Pixham Lane S.W.)	Nat. Siphon	138	89	130	86	47	41	14	13	56	31	18	121	59	705
"	Epsom (Ruxley Lane S.W.)	Hyetograph	76	68	107	60	43	37	11	14	40	31	15	131	49	606
"	Weybridge (Weyland S.W.)	Tilt. Siphon	50	66	115	69	44	37	11	18	45	26	14	110	45	600
"	Kingston (Canbury Gardens)	Nat. Siphon	23	(58)	112	64	39	42	13	13	43	24	10	101	45	564
"	Kew Observatory	Tilt. Siphon	20	55	103	59	39	37	10	11	47	26	15	93	36	531
"	Shottermill (Sewage Works)	Tilt. Siphon	383	84	125	105	59	53	18	16	71	44	22	143	62	802
Kent	Rye (Royal Air Force Stn.)	Tilt. Siphon	15	76	116	75	50	38	17	25	48	46	23	86	74	674
"	Folkestone (The Leas)	Tilt. Siphon	128	79	86	60	43	46	22	28	52	39	29	80	71	635
"	Lympe Airfield	Tilt. Siphon	342	79	102	70	42	45	19	29	59	42	31	89	70	677
"	Manston Airfield	Tilt. Siphon	155	63	88	50	32	48	21	16	47	35	29	86	51	566
"	West Malling Airfield	Tilt. Siphon	304	66	121	75	43	40	14	17	50	39	23	91	55	634
"	Strood (Waterworks)	Nat. Siphon	112	79	122	84	52	56	18	19	65	45	18	89	68	715
"	Bexleyheath (Danson Park)	Hyetograph	166	74	143	93	52	57	13	19	58	44	24	86	59	722
Sussex	Tangmere Airfield	Tilt. Siphon	53	80	110	85	53	39	21	22	66	40	25	128	89	758
"	Worthing (Beach House Park)	Tilt. Siphon	25	77	115	78	53	36	15	20	60	36	18	101	61	650
"	Polegate (Winfield Farm)	Nat. Siphon	35	71	110	81	41	39	10	29	61	41	31	106	68	688
"	Calshot	Tilt. Siphon	12	78	113	98	51	45	14	16	61	36	11	125	58	706
Hampshire	South Farnborough (R.A.E.)	Tilt. Siphon	226	74	123	101	56	53	17	11	81	34	21	159	61	791
"	Maidenhead (Sewage Works)	Hyetograph	81	57	112	74	53	42	17	10	57	34	15	107	42	620
Berkshire	Reading (Caversham Lock)	Tilt. Siphon	124	88	115	94	60	51	17	29	60	45	24	111	58	752
"	Abingdon Airfield	Tilt. Siphon	212	86	101	93	60	60	20	13	61	36	20	122	52	724
"	Isleworth (Mogden Works)	Tilt. Siphon	33	53	118	66	43	43	12	12	46	26	16	96	40	571
Middlesex	Feltham (London Airport)	Tilt. Siphon	81	60	103	82	51	52	20	15	66	35	28	141	72	725
"	Wembley (Town Hall)	Hyetograph	187	63	108	72	42	42	13	11	47	30	19	91	45	583
Hertford	North Mimms (Pumping Stn.)	Tilt. Siphon	256	65	126	101	56	43	12	12	62	36	26	104	41	684
"	Harpenden (Rothamsted)	Nat. Siphon	420	77	117	100	56	53	15	20	64	43	22	112	58	737
"	Knebworth Park	Tilt. Siphon	379	(70)	(115)	100	58	55	20	17	64	40	22	115	64	740
Buckingham	Eton (Tangier Island)	Nat. Siphon	69	68	118	99	52	35	19	14	65	26	27	128	59	710
"	Slough (Baylis House)	Tilt. Siphon	90	71	104	73	45	40	16	10	53	32	21	110	45	620

Table 5A Duration of Rainfall at 145 Stations during 1951 (Monthly and Annual values)—(continued)

County and River Division	Station	Pattern of Gauge	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Oxford	Benson Airfield	Tilt. Siphon	220	64	102	91	67	55	22	14	65	39	19	124	42	704
Northampton	Peterborough (Sewage P.S.)	Nat. Siphon	9	56	70	83	53	76	16	10	37	21	17	73	45	557
Bedford	Silsoe (Wrest Park)	Tilt. Siphon	195	58	91	70	49	49	11	9	42	30	17	76	35	537
Essex	Leyton (Sewage Works)	Hyetograph	22	86	131	71	60	49	17	12	62	37	23	90	41	679
"	Ilford (Valentines Park)	N. & Z. Float	45	68	(125)	80	52	51	12	14	40	29	26	99	46	642
"	Chelmsford (Sandford Mill)	Hyetograph	69	46	103	48	38	49	8	13	33	31	10	77	50	506
Suffolk	Ipswich (Belstead Hall)	Nat. Siphon	125	48	68	50	48	39	14	18	39	35	11	66	49	485
"	Felixstowe	Tilt. Siphon	11	47	79	62	38	40	23	19	37	44	21	70	51	530
"	Mildenhall Airfield	Tilt. Siphon	16	70	76	83	65	51	23	22	39	36	15	68	36	581
Norfolk	West Raynham Airfield	Tilt. Siphon	240	91	75	79	84	70	26	22	50	29	18	90	55	689
"	Horsham St. Faith Airfield	Tilt. Siphon	100	84	79	83	86	49	36	27	32	48	17	83	43	667
Wiltshire	Porton (C.D.E.E.)	Tilt. Siphon	364	73	116	86	54	50	15	10	71	35	11	132	51	704
"	Boscombe Down Airfield	Tilt. Siphon	418	71	94	77	70	51	8	10	93	36	14	136	58	718
Dorset	Poole	Hyetograph	18	63	111	90	47	38	13	12	82	37	18	137	58	706
Devon, S.	Plymouth (Mount Batten)	Tilt. Siphon	87	107	73	106	38	68	21	12	69	58	20	83	60	715
"	Exeter Airport	Tilt. Siphon	102	85	78	82	37	52	19	19	51	44	22	85	49	623
"	Chivenor	Tilt. Siphon	22	69	66	97	71	67	15	18	81	58	23	96	66	727
Devon, N.	St. Eval Airfield	Tilt. Siphon	337	95	51	80	42	67	12	12	48	39	26	84	57	613
Cornwall	Bridgwater (Northmoor P.S.)	Tilt. Siphon	23	52	58	62	38	38	4	25	43	30	10	106	43	509
Somerset	Minehead (Blenheim Gardens)	Nat. Siphon	38	68	77	85	60	52	10	11	38	29	22	104	59	615
"	Bristol (Filton)	Tilt. Siphon	192	86	89	75	73	58	13	16	71	39	12	143	77	752
Gloucester	Cirencester (Baunton W. W.)	Hyetograph	397	100	86	80	72	58	26	19	85	42	16	118	69	771
"	Little Rissington Airfield	Tilt. Siphon	740	69	101	140	72	65	21	16	90	47	24	143	67	855
"	Ross-on-Wye	Hyetograph	224	53	58	67	40	57	12	6	37	32	10	111	48	531
Hereford	Shawbury Airfield	Tilt. Siphon	237	48	52	109	43	63	29	25	64	30	16	97	50	626
Shropshire	Oswestry (Llwyn Terrace)	Hyetograph	430	61	64	94	43	58	20	20	62	40	14	95	80	651
"	Defford Airfield	Tilt. Siphon	59	58	57	95	52	55	11	11	73	28	21	102	45	608
Worcester	Elmdon (Birmingham Airport)	Tilt. Siphon	324	66	68	111	56	59	22	8	77	31	17	119	50	684
Warwick	Birmingham (Handsworth Park)	Hyetograph	424	53	55	109	55	44	23	24	43	25	15	97	43	586
"	Loughborough (Nanpantan Res.)	Hyetograph	269	61	83	106	39	74	18	10	63	20	20	96	51	641
Leicester	Cranwell Airfield	Tilt. Siphon	206	68	88	91	59	87	28	20	82	20	26	108	45	722
Lincoln	Waddington Airfield	Tilt. Siphon	234	64	66	95	44	76	19	13	78	23	22	92	47	639
"	Nottingham (Sneinton P.S.)	Fernley	83	42	53	53	26	60	15	7	59	12	13	82	35	457
Nottingham	Watnall	Tilt. Siphon	368	68	68	125	46	95	26	20	94	22	19	106	46	735

Table 5A Duration of Rainfall at 145 Stations during 1951 (Monthly and Annual values)—(continued)

County and River Division	Station	Pattern of Gauge	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Cheshire1	Langley (Trentabank Reservoir)	Tilt. Siphon	ft. 854	hr. 76	hr. 80	hr. 105	hr. 62	hr. 51	hr. 41	hr. 59	hr. 100	hr. 45	hr. 13	hr. 152	hr. 83	hr. 867
"1	Prestbury (Sewage Works)	Tilt. Siphon	320	55	56	101	37	31	21	32	61	28	12	100	74	608
"1	Appleton Reservoir	Tilt. Siphon	120	49	44	100	39	43	16	30	56	33	14	118	84	626
"1	Ringway (Manchester Airport).	Tilt. Siphon	248	66	57	127	50	43	24	40	66	39	15	115	89	731
"1	Sale (Carrington Lane)	Tilt. Siphon	72	48	39	85	31	36	14	29	59	35	14	101	74	565
"3	Birkenhead (Bidston Obs'y.)	Nat. Siphon	198	41	47	119	27	52	16	22	67	41	13	108	77	629
Lancs, S.2	Speke (Liverpool Airport)	Tilt. Siphon	82	52	57	125	39	48	21	30	73	40	19	126	89	719
"2	Liverpool (Monument Place)	Nat. Siphon	129	41	51	113	27	50	19	23	66	36	11	104	91	632
"3	Bolton (Queens Park)	Tilt. Siphon	342	68	55	119	36	41	28	59	84	53	29	177	156	905
Lancs, C.1	Squires Gate Airport	Tilt. Siphon	34	81	57	109	26	53	19	27	79	49	14	119	112	745
"1	Colne (Judge Fields)	Tilt. Siphon	560	87	75	96	50	53	32	64	75	55	20	132	167	906
"3	Southport (Hesketh Park)	Nat. Siphon	38	62	53	98	30	43	17	22	60	36	14	110	110	655
Lancs, N.1	Barrow-in-Furness (Sew. Works)	Nat. Siphon	24	138	76	123	25	41	16	41	67	55	11	131	125	849
Yorks, W. R. 6	Funningley Airfield	Tilt. Siphon	31	34	52	51	16	71	14	14	75	24	19	91	36	497
"7	Langsett Reservoir	Nat. Siphon	820	68	90	115	39	83	20	28	79	28	18	144	108	820
"9	Leeds (Roundhay Park)	Tilt. Siphon	427	55	72	80	32	81	22	29	96	29	21	122	67	706
"9	Haworth (Lower Laithe Res.)	Hyetograph	772	84	73	139	53	84	31	49	88	45	25	145	175	991
"9	Earby (Sewage Works)	Hyetograph	426	93	92	129	47	57	40	53	91	62	23	140	227	1054
"10	Church Fenton Airfield	Tilt. Siphon	29	40	53	61	20	78	21	29	90	28	19	96	46	581
Yorks, E. R. 3	Driffeld Airfield	Tilt. Siphon	71	42	58	82	29	66	39	29	70	22	18	79	46	580
Yorks, N. R. 2	Felixkirk (Mount St. John)	Halliwel	542	48	48	68	33	82	33	37	92	26	25	95	54	641
"2	Leeming Airfield	Tilt. Siphon	105	51	67	85	29	93	29	33	103	33	23	109	53	708
"6	Middlesbrough (South Bank)	Nat. Siphon	43	33	50	86	30	72	31	38	70	14	27	82	62	595
Durham1	Darlington (Waterworks)	Tilt. Siphon	161	40	61	86	73	85	26	29	95	25	22	109	52	703
"1	Billingham-on-Tees	Nat. Siphon	62	26	37	72	17	68	22	31	66	10	17	64	41	471
Northumb.5	Acklington Airfield	Tilt. Siphon	138	73	64	109	50	69	49	35	83	22	12	119	39	724
Cumberland . 1	Silloth Airfield	Tilt. Siphon	27	76	61	76	39	31	14	48	56	64	11	92	104	672
"2	Keswick (High Hill)	Tilt. Siphon	254	118	107	115	91	71	58	106	106	101	29	221	215	1338
"3	St. Bees Head Lighthouse	Tilt. Siphon	400	98	69	84	33	35	29	50	80	75	14	108	104	779
Glamorgan . 3	Swansea (Victoria Park)	Hyetograph	28	83	60	100	56	49	18	12	71	48	15	103	73	688
"7	Cardiff (Penylan)	Nat. Siphon	202	87	64	79	61	43	9	11	60	43	18	107	65	647
Pembroke . . . 4	Pembroke Dock	Tilt. Siphon	34	91	65	103	56	60	11	22	69	107	42	127	89	842
Cardigan . . . 2	Aberporth	Tilt. Siphon	378	71	56	96	54	54	16	30	72	85	16	121	139	810

Table 5a Duration of Rainfall at 145 Stations during 1951 (Monthly and Annual values)—(continued)

County and River Division	Station	Pattern of Gauge	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
				hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
Brecknock . . . 4	Taf Fechan (Pontsticill)	Tilt. Siphon	ft. 1031	137	119	130	111	70	43	47	114	87	27	184	149	1218
" . . . 4	Cardiff W. W. (Cantref Res.) . . .	Tilt. Siphon	1080	187	158	151	119	73	50	52	144	125	42	232	177	1510
" . . . 7	Swansea W. W. (Cray Reservoir) . .	Tilt. Siphon	1044	139	121	112	89	70	45	30	121	100	32	174	132	1165
Montgomery . 5	Lake Vyrnwy (Exper. Station) . .	Tilt. Siphon	995	105	113	121	76	45	28	31	75	73	20	139	153	979
Flint 1	Hawarden Airfield	Tilt. Siphon	17	53	63	140	38	62	20	32	62	33	16	117	75	711
Denbigh . . . 1	Wrexham (Grove Park School) . . .	Hyetograph	277	47	50	115	32	53	13	18	47	34	12	101	81	603
Caernarvon . 5	Snowdon (Cwm Dyli)	Beckley	310	115	127	142	94	57	54	68	125	127	29	152	179	1269
Anglesey . . .	Holyhead (Salt Island)*	Tilt. Siphon	26	77	87	119	38	64	17	31	76	71	11	106	108	805
Isle of Man . .	Ronaldsway Airport	Tilt. Siphon	55	65	69	83	26	53	13	30	57	63	11	92	94	656
Wigtown . . . 3	West Freugh Airfield	Tilt. Siphon	52	101	74	79	34	49	39	55	82	53	10	118	96	790
Kirkcudbright 3	Dalry (Glenlee)	Hyetograph	181	121	94	101	65	52	47	54	101	81	28	162	212	1118
Dumfries . . . 5	Eskdalemuir Observatory	Tilt. Siphon	794	166	123	148	80	57	57	115	122	100	31	187	194	1380
Berwick . . . 3	Swinton House	Hyetograph	200	91	50	74	36	50	29	44	76	23	12	126	42	653
Midlothian . . 5	Boghall	Hyetograph	639	(65)	71	84	56	46	30	55	81	21	10	88	(60)	667
" 5	Turnhouse (Edinburgh Airport) . .	Tilt. Siphon	116	65	61	84	54	54	41	71	83	27	11	95	57	703
Lanark 4	Crawford (Camps Reservoir) . . .	Nat. Siphon	967	67	51	53	48	38	29	41	82	55	10	103	84	661
Ayr 3	Prestwick Airport	Tilt. Siphon	30	65	80	78	50	31	43	56	64	39	20	110	115	751
Renfrew 2	Renfrew (Glasgow Airport)	Tilt. Siphon	29	70	54	89	50	36	35	75	89	49	19	133	110	809
" 3	Greenock (Prospect Hill)	Hyetograph	199	80	52	80	54	37	35	61	73	57	30	137	132	828
Dunbarton . . 3	Loch Sloy Power Station	Tilt. Siphon	41	218	148	122	122	36	59	147	141	111	73	206	238	1621
Stirling 1	Falkirk (Arnotdale)	Hyetograph	105	93	57	72	53	42	35	65	93	43	17	85	64	719
Argyll 11	Loch Fyne (Lephinmore)	Tilt. Siphon	30	165	98	100	73	29	34	104	86	59	46	177	178	1149
" 14	Tiree Airport	Tilt. Siphon	29	168	78	87	59	29	29	82	76	72	72	136	159	1047
Fife 1	Dunfermline	Tilt. Siphon	237	63	48	76	41	35	29	63	58	26	9	75	44	567
" 2	Glenrothes (Woodside)	Tilt. Siphon	273	111	80	82	56	39	41	83	79	35	12	105	64	787
" 1	Leuchars Airfield	Tilt. Siphon	33	83	66	71	41	48	36	63	71	40	13	122	65	719
Perth 8	Perth (Craigie Haugh)	Hyetograph	18	48	68	69	48	35	61	49	84	37	9	129	62	699
Kincardine . . 1	Fettercairn (Glensaugh)	Tilt. Siphon	560	70	64	47	43	30	26	43	58	27	8	103	45	564
Aberdeen . . . 1	Balmoral Castle Gardens	Nat. Siphon	927	59	81	80	58	40	16	57	72	23	19	129	40	674
" 2	Dyce (Aberdeen Airport)	Tilt. Siphon	187	68	67	70	70	43	45	71	66	24	14	118	40	696
" 4	Rattray Head	Tilt. Siphon	85	64	73	73	60	16	44	71	66	15	17	99	50	648
Inverness . . . 5	Dalcross Airfield	Tilt. Siphon	35	51	54	45	75	14	47	42	63	14	35	69	64	573
" 10	Glen Cannich (Mullardoch Dam) . .	Tilt. Siphon	674	122	76	77	117	23	41	92	104	62	59	135	187	1095
" 17	Fort William (Teviot)	Hyetograph	35	187	106	99	119	10	63	116	124	105	78	191	267	1465
" 18	Skye (Glenbrittle)	Tilt. Siphon	30	145	131	99	81	27	54	143	97	59	80	113	151	1180

* Valley from September.

Table 5A Duration of Rainfall at 145 Stations during 1951 (Monthly and Annual values)—(concluded)

County and River Division	Station	Pattern of Gauge	H't. above Sea	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Inverness ..19	Benbecula Airport	Tilt. Siphon	ft. 18	hr. 116	hr. 67	hr. 67	hr. 48	hr. 13	hr. 34	hr. 51	hr. 59	hr. 57	hr. 82	hr. 98	hr. 113	hr. 805
Ross and ...	Stornoway Airport	Tilt. Siphon	12	113	52	71	68	30	57	63	50	46	74	96	110	830
Cromarty 10	Wick Airport	Tilt. Siphon	121	78	103	107	69	14	46	60	66	31	31	105	68	778
Caithness....2	Grimsetter Airport	Tilt. Siphon	85	84	117	99	66	7	41	81	77	33	44	156	124	929
Orkney	Lerwick Observatory	Tilt. Siphon	269	97	103	80	75	6	29	97	90	48	46	127	120	918
Shetland	Castle Archdale Airfield	Tilt. Siphon	225	94	101	98	55	42	36	72	73	55	37	98	108	869
Fermanagh .1	Armagh Observatory	Beckley	204	58	47	56	35	41	27	49	56	31	16	80	75	571
Armagh ....5	Aldergrove Airfield	Nat. Siphon	220	77	60	57	30	47	29	45	95	38	20	110	86	694
Antrim.....5																

Table 5B Mean Rate of Rainfall at 15 Stations during 1951 (Monthly and Annual values)

County and River Division	Station	Rain-fall 1951	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
London2 Suffolk5 Wiltshire3 Cornwall1 Herefordshire .1 Leicestershire .4 Yorkshire, N.R.2 Glamorgan3 Denbighshire .1 Dumfriesshire .5 Argyllshire . .14 Aberdeenshire .2 Ross and Cromarty .10 Shetland Antrim5	St. Pancras (Camden Square) Mildenhall Airfield Porton (C.D.E.E.) St. Eval Airfield Ross-on-Wye Loughborough (Nanpantan Res.) . Felixkirk (Mount St. John) Swansea (Victoria Park) Wrexham (Grove Park School) . . Eskdalemuir Observatory Tiree Airport Dyce (Aberdeen Airport) Stornoway Airport Lerwick Observatory Aldergrove Airfield	in. 32.19 26.63 41.77 38.49 34.77 32.17 35.90 51.05 31.52 66.74 50.15 38.48 42.20 46.70 31.99	in. per hr. 0.43 0.33 0.42 0.51 0.50 0.47 0.38 0.83 0.40 0.47 0.52 0.57	in. per hr. 0.40 0.31 0.55 0.64 0.74 0.42 0.52 0.71 0.50 0.38 0.52 0.44	in. per hr. 0.41 0.38 0.49 0.56 0.55 0.34 0.41 0.64 0.45 0.36 0.47 0.44	in. per hr. 0.52 0.48 0.51 0.69 0.54 0.50 0.50 0.68 0.45 0.68 0.52 0.40	in. per hr. 0.42 0.49 0.61 0.46 0.56 0.54 0.60 0.57 0.63 0.38 0.24 0.31	in. per hr. 0.69 0.67 0.55 0.36 0.62 0.67 0.39 0.56 0.68 0.43 0.59 0.45 0.45	in. per hr. 1.08 0.48 1.05 0.72 1.16 0.80 0.82 0.68 0.96 0.41 0.40 0.77	in. per hr. 0.74 0.84 0.60 0.92 0.89 0.74 0.60 0.86 0.55 0.58 0.54 0.55	in. per hr. 0.70 0.66 0.94 0.79 1.07 0.71 1.04 0.90 0.65 0.69 0.53 0.50	in. per hr. 0.42 0.62 0.85 0.85 0.79 0.38 0.65 0.79 0.64 0.53 0.54 0.69	in. per hr. 0.45 0.39 0.68 0.60 0.64 0.55 0.63 0.86 0.45 0.55 0.51 0.71	in. per hr. 0.32 0.40 0.60 0.70 0.58 0.44 0.46 0.61 0.45 0.49 0.45 0.52	in. per hr. 0.48 0.46 0.59 0.63 0.65 0.50 0.50 0.74 0.52 0.48 0.48 0.55

6 Heavy Falls in Short Periods in 1951

Heavy falls of rain in short periods are of great importance because of the inconvenience or damage which they may cause. In urban areas there can be temporary flooding of the lower roadways when the drainage system fails to take the sudden rush of water. Such events are familiar from press reports though they are of course relatively rare in any one area. Dislocation of traffic can occur and in the worst cases there is also damage to roads, mains, or adjoining property. The trouble is aggravated by the fact that from the artificial surfaces of a densely built-up area run-off is both heavy and rapid. An allied problem on a smaller scale is the provision of adequate drainage from the roofs of large buildings. A solution for both streets and roofs can be

attempted with the aid of long-period data similar to those given in this section, particularly the frequencies set out in Table 6D for a selection of stations. In other situations, especially in rural areas, it may not be possible to define a problem which can be solved by measures coming within the range of practical economics. The more intense falls are not only uncommon but, by their nature, erratic and unpredictable in time and place. Efforts would normally be directed towards minimizing their effects when they do occur, rather than towards any calculable degree of protection. Sudden flooding, erosion, damage or destruction of crops, and structural damage are among the items which often appear in storm reports. The amount

Table 6A Lower Limits of Intense Rainfalls

Time	Noteworthy			Remarkable			Very Rare		
	Amount		Rate	Amount		Rate	Amount		Rate
mins.	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

of damage depends, of course, on a number of factors other than the intensity, duration, and size of the storm. These include the topography of the catchment areas below the storm, the nature and state of the ground, the conditions under which the water eventually flows into an adequate channel, and the disposition of vulnerable property relative to the storm area and to the subsequent flow of storm-water. Information such as that given in this section is nevertheless of first relevance. It supplements that in Section 7, Heavy Falls

at Oxford on September 7 when 2.62 inches fell in 1 hour 26 minutes.

Table 6c gives particulars of falls recorded in 1951 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 at the highest rate being in general preferred. Entries are credited to the calendar day rather than the "rainfall day" and times quoted are G.M.T.

Table 6B Number of Noteworthy Rains of Two Hours' Duration or less.

		England and Wales						Northern Ireland	
		S.E.	S.W.	N.E.	N.W.	Total	Scotland		Total
1951	(a)	12	2	1	3	18	4	0	22
	(b)	12	0	1	1	12	0	0	14
	Total	24	2	2	3	30	4	0	36
Mean 1925-1950 ...		26	13	7	5	51	4	1	56

(a) Observations made without autographic rain-gauges.

(b) Readings of autographic gauges.

on Rainfall Days, which deals with falls of longer duration and usually relates to widespread flooding rather than sudden damage over limited areas.

The table on the previous page, 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. Additional falls have been mentioned year by year since then. Two such falls were reported in 1951; the first occurred at Cowes in the Isle of Wight on July 30 when 2.43 inches of rain fell in 45 minutes, and the second

The geographical distribution of the heavy falls of Table 6c is given in Table 6B above.

Of the 36 "noteworthy" falls, as many as 24 were in south-east England. Only four occurred in Scotland and there were none in Northern Ireland. These figures do not indicate, however, the actual relative frequencies of intense falls in the respective districts as the number of observers for a given area is much greater in the south of England than elsewhere.

All the falls entered in Table 6c occurred during the 110 days from May 26 to September 12. Of the total of 36, 16 occurred in July and 8 of these on one day, the 22nd. There were 11 in August and 4 in each of the months June and September.

The isolated fall entered for *May* was due to a heavy thunderstorm at Weston-super-Mare on the 26th which caused flooding of the streets.

In *June* a severe and very local storm occurred on the 5th at Polloch in Argyllshire when .67 inch fell in 10 minutes. The ground, though very dry, was unable to absorb the water, and many gardens were eroded, while plants were slashed by hail. The local character of the storm is shown by the fact that the burns from neighbouring hills were unaffected. There was flooding in the Southampton area on the 10th, and heavy rains on the night of 11th–12th caused floods in Worthing and Portsmouth. At Cross-in-Hand, Sussex, on the 12th there was a fall of 1.15 inch in 20 minutes, a “remarkable” fall, but causing no severe flooding. The observer, commenting on this, states that the district is “largely on sandstone, and water is quickly absorbed in this soil”, and further, that he knows of “no locality that is ever flooded above a point some six miles downstream” (of his station). There was bad flooding of streets at Nottingham on the 22nd but the “noteworthy” falls of that day were further south, at Byworth, Sussex, and at Reading, where the fire brigade received six calls in less than half an hour to pump out flooded premises (*Reading Mercury*, 30th).

In *July* there was a storm on the 7th at Banff which did a great deal of damage to gardens and other property. The storm lasted about 20 minutes during which approximately .70 inch of rain fell. Much of this was in the form of hail “the size of marbles”, according to the *Glasgow Herald* of the 9th, while Mr. I. H. Gordon, observer at Banff climatological station, wrote that it was “like chips of ice” and “fell to a depth which stopped all traffic”. On the 8th at Scarborough a sudden thunderstorm resulted in a fall of .53 inch in 8 minutes, and on the 10th the Aberdeen-Banff road was flooded to a depth of 2 feet at Fyvie where 1.68 inch was recorded in 2 hours. Flooding was general in the lower part of Dundee on the 12th where an early morning thunderstorm was accompanied by a fall of 1.05 inch in 55 minutes.

The widespread thunderstorms of the 22nd are commented on in Section 7 where the

distribution of rainfall for the day over the whole country is outlined. It is not unlikely that some of the more intense local falls were missed, but as far as the records show they were mainly in the south. The outstanding record for rate of rainfall was at Bromley, Kent, where rain fell for 15 minutes at the rate of 4.80 inches an hour. Flooding occurred in the streets of many towns ranging from Manchester in the north to Bridgwater in the south. In country districts both rain and hail damaged crops, and at Kenton, Devon, earth and vegetables were swept into the centre of the village following the collapse of a bank in a field. The Rev. K. E. Alexander, observer at the Vicarage, points out that the circumstance aggravated the failure of the drains so that “the streets affected became raging torrents”. His report also mentions that “according to local inhabitants it was the heaviest rainfall in so short a period since about 1899”. Two features of the day’s storms were firstly that the heaviest falls were often very local, and secondly that in many places there were two or more separate storms; for example at Farnham there were storms at about 11h.30m., 19h. and 20h. GMT., and at Kenton at about 3h.30m., 13h.25m. and 22h.50m. GMT., in each case with a very considerable fall.

Further thunderstorms occurred on the night of the 30th–31st, including the “very rare” fall of 2.43 inches in 45 minutes at Cowes. Mr. J. H. Vealey, Engineer and Surveyor, Cowes U.D.C., wrote that “the intensity of rainfall during the period of the storm did not appreciably vary but was exceptionally heavy for the whole of the period”. There was damage by flooding in the town, and “an old two-foot diameter brick sewer collapsed”. Surrey, Cambridgeshire and Leicestershire were among other areas which had intense falls at this time.

Heavy rain occurred again early in *August* and the Bank Holiday weekend 5th–6th was ruined over much of the country. Houses and low-lying fields were flooded in many areas and there was much damage to crops in

Yorkshire. Essex, Suffolk, Denbighshire, Flintshire and Huntingdonshire all recorded "noteworthy" falls, Wigtownshire a "remarkable" fall. Margate suffered from flooding on the 8th when a "noteworthy" fall was recorded at Manston, and heavy rain occurred again on the 9th, though the intense falls observed on that day were restricted to Lancashire and Hertfordshire. The month continued to be unsettled and there was a fall of .86 inch in 23 minutes at Brookland, Kent, on the 22nd.

September opened with a "remarkable" fall at Rye (R.A.F. Station), Kent, on the 1st,

and the outstanding fall of the month occurred a few days later on the 7th. This was the "very rare" fall of 2.62 inches in 1 hour 26 minutes at Oxford (Radcliffe Meteorological Station), and of this .52 inch fell in 9 minutes, with a further .26 inch in a period of 4 minutes about 50 minutes later. Benson Airfield, in the same district, recorded 1.03 inch in 18 minutes. The storm was restricted to the Chilterns and the Oxford area, but that on the 12th was more widespread and there were floods in London and Eastbourne. At Ash, Kent, there was a "noteworthy" fall on that day which proved to be the last of the year.

Table 6c Heavy Falls in Short Periods in 1951

County and River Division	Station	Date	Amount	Began at	Duration	Rate per Hour
	(a) EYE OBSERVATIONS		in.	h. m.	min.	in.
Argyll 2	Loch Shiel (Polloch House)	Jun. 5	.67	17 50	10	4.02
Kent 5	Bromley (Henville Road)	Jul. 22	1.20	13 00	15	4.80*
Wigtown 4	Newton Stewart (Little Barraer)...	Aug. 5	1.03	16 30	15	4.12*
Sussex 5	Heathfield (Cross-in-Hand)	Jun. 12	1.15	04 05	20	3.45*
Kent 1	Brookland (Poplar Hall)	Aug. 22	.86	14 18	23	2.24
Devon, South . 6	Kenton (The Vicarage)	Jul. 22	1.09	13 25	35	1.87
Surrey 4	Purley (Sanderstead Hill)	Jul. 22	.96	13 28	42	1.37
Hampshire ... 1	Cowes W. W. (Broadfields)	Jul. 30	2.43	23 30	45	3.24†
Huntingdon .. 1	Peterborough (Farcet)	Aug. 6	1.20	20 50	50	1.44
Angus 2	Dundee (Mayfield)	Jul. 12	1.05	01 45	55	1.15
Surrey 6	Farnham (Sewage Works)	Jul. 22	1.29	19 00	60	1.29
Somerset 2	Weston-super-Mare (Clarence Park)	May 26	1.25	18 30	60	1.25
Leicester 2	Kibworth Harcourt	Jul. 31	1.00	05 00	60	1.00
Kent 2	Ash (Corking Farm)	Sep. 12	.98	09 00	60	.98
Sussex 2	Byworth (Edgehill)	Jun. 22	.97	11 20	60	.97
Denbigh 2	Abergele (Sea Road)	Aug. 6	1.33	15 00	75	1.06
Lancashire, S. 2	St. Helens (Eccleston Hill)	Aug. 9	1.28	13 50	75	1.02
Hampshire ... 4	Brookhurst (County School) ..	Jul. 22	1.20	10 00	85	.85
Lancashire, S. 2	Rainford (Rookery Sewage Works)	Aug. 9	1.38	12 45	105	.79
Suffolk 5	Pakenham (Church Hill)	Aug. 6	1.34	21 00	105	.77
Aberdeen 3	Fyvie Castle	Jul. 10	1.68	10 30	120	.84
Berkshire 4	Reading University	Jun. 22	1.36	15 30	120	.68
	(b) AUTOGRAPHIC RECORDS					
Yorks, N.R. ... 5	Scarborough	Jul. 8	.53	14 45	8	3.97
Surrey 8	Camberley (Sewage Works)	Jul. 31	.60	00 29	12	3.00
Surrey 4	Croydon Airport	Jul. 22	.76	13 15	16	2.85
Hertford 3	Knebworth Park	Aug. 9	.68	16 20	17	2.40
Oxford 4	Benson Airfield	Sep. 7	1.03	01 50	18	3.43*
Cambridge ... 2	Cambridge (Oxford Road)	Jul. 31	.76	01 48	22	2.07
Flint 1	Hawarden Airfield	Aug. 6	.80	16 15	24	2.00
Surrey 5	Cranleigh (Sewage Works)	Jul. 31	1.00	00 21	30	2.00
Surrey 4	Beddington Park	Jul. 22	.80	13 24	30	1.60
Kent 2	Manston Airfield	Aug. 8	.80	10 40	30	1.60
Surrey 5	Sutton (Sewage Works)	Jul. 22	.78	12 50	30	1.56
Kent 1	Rye (R.A.F. Station)	Sep. 1	1.83	20 00	60	1.83*
Oxford 3	Oxford (Radcliffe Met. Station) ..	Sep. 7	2.62	00 35	86	1.83†
Essex 2	Ilford (Valentines Park)	Aug. 6	1.23	14 53	120	.61

* "Remarkable" fall. † "Very Rare" fall.

Table 6D Number of Days on which specified amounts of Rain fell in specified times during 1951

County	Station	10 mm. (0.4 inch) within					15 mm. (0.6 inch) within					20 mm. (0.8 inch) within				25 mm. (1.0 inch) within				HEAVY FALLS IN SHORT PERIODS			
		5 mins.	15 mins.	30 mins.	1 hr.	2 hrs.	15 mins.	30 mins.	1 hr.	2 hrs.	5 hrs.	30 mins.	1 hr.	2 hrs.	5 hrs.	1 hr.	2 hrs.	5 hrs.	24 hrs.				
London	Camden Square	0	1	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0				
Surrey	Croydon	0	1	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0				
"	Kew	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Kent	Lympne	0	1	2	3	7	0	0	0	0	0	0	0	0	0	0	0	0	0				
Hampshire	South Farnborough	0	1	2	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0				
Berkshire	Reading (Caversham Lock)	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0				
"	Abingdon	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0				
Hertfordshire	Knebworth	0	1	3	3	5	1	1	2	3	0	0	0	0	0	0	0	0	0				
Suffolk	Mildenhall	0	0	1	2	4	0	0	0	2	0	0	0	0	0	0	0	0	0				
Devon	Plymouth (Mount Batten)	0	0	0	4	9	0	0	0	3	0	0	0	0	0	0	0	0	0				
Gloucester	Bristol (Filton)	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0				
Lincolnshire	Cranwell	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0				
Cheshire	Manchester (Ringway)	0	0	1	1	3	0	0	0	3	0	0	0	0	0	0	0	0	0				
Lancashire	Southport	0	0	1	2	3	0	0	0	1	0	0	0	0	0	0	0	0	0				
Yorkshire	Leeming	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0				
Northumb'l'd.	Acklington	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0				
Cumberland	Keswick	0	0	0	1	7	0	0	0	14	0	0	0	0	0	0	0	0	13				
Cardigan	Aberporth	0	0	0	1	2	0	0	0	3	0	0	0	0	0	0	0	0	5				
Anglesey	Holyhead	0	0	1	1	5	0	0	0	2	0	0	0	0	0	0	0	0	3				
Dumfries	Eskdalemuir	0	0	0	1	5	0	0	0	7	0	0	0	0	0	0	0	0	15				
Renfrew	Renfrew	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3				
Fife	Leuchars	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	6				
Aberdeen	Dyce Airfield	0	0	0	1	4	0	0	0	5	0	0	0	0	0	0	0	0	9				
"	Balmoral	0	0	0	1	2	0	0	0	2	0	0	0	0	0	0	0	0	3				
Shetland	Lerwick	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4				
Fermanagh	Castle Archdale	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1				
Antrim	Aldergrove	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2				

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 10 mm. (0.4 inch) naturally recurs in the column or columns to the right, and there is a similar recurrence of the entries under the headings 15 mm. (0.6 inch), 20 mm. (0.8 inch) and 25 mm. (1.0 inch).

7 Heavy Falls on Rainfall Days in 1951

The daily measurements of rain which are set out in this Section are (a) falls amounting to $2\frac{1}{2}$ inches 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 1951. A fall of $2\frac{1}{2}$ inches 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 $2\frac{1}{2}$ inches in areas where the total rainfall of the year does not exceed 33.3 inches.

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 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 1951 are set out in Table 7A.

Table 7A Maximum Daily Fall and Maximum Percentage

Year	ABSOLUTE HIGHEST RAINFALL				ABSOLUTE HIGHEST PERCENTAGE				Year
	Am'tnt	Per cent	Station	Div.	Per cent	Am'tnt	Station	Div.	
	in.	%			%	in.			
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

As in the previous year, though the general rainfall over the country as a whole was above average, the greatest recorded fall on any one day was by no means remarkable. The greatest daily fall was 4.53 inches, slightly lower even than in 1950, and the lowest maximum daily figure since 1943. It was recorded at Thirlmere (Dale Head Hall) on September 24, a day of thundery rain in many districts, especially in north-west England. The daily fall which gave the highest recorded percentage of the year's total was 3.34 inches at Oxford (Radcliffe Meteorological Station) on September 6. This was the highest daily

reached or exceeded 4 inches and this was the lowest number in this category since 1934.

The outstanding day of the year was November 4 with 60 recorded falls of $2\frac{1}{2}$ inches or more, that is, nearly 32 per cent of the total number. On the next day there were 21 further falls in this category, and in the relevant part of the following Chronicle the limit has been raised from $2\frac{1}{2}$ to 3 inches, thus reducing the list by 43 items on the 4th and 13 on the 5th. The only other day with more than 20 falls qualifying for inclusion was August 6 (27), the next being September 24 (13).

Table 7B The largest Daily Rainfalls in 1951

Date	Div.	Station	Amount	Per cent of Year	Total for Year
			in.	%	in.
Sep. 24..	X	Thirlmere (Dale Head Hall)	4.53	4.0	112.18
Nov. 4..	XVI	Loch Tay (Ardeonaig)	4.39	8.1	53.99
Mar. 22..	XV	Loch Sloy (Sloy Dam)	4.25	3.6	116.44
Nov. 4..	XVI	Glen Ogle Head	4.07	5.2	77.97
Sep. 24..	X	Great Langdale (Long House)	4.02	3.4	119.85
Nov. 4..	XVI	Ardtalnaig (Milton)	4.01	7.5	53.34
Sep. 24..	X	Patterdale Hall	3.95	3.5	112.58
Nov. 4..	XVI	Aberfeldy (Grandtully Castle Gdns.)...	3.88	9.3	41.81
Jan. 16..	XVIII	Loch Quoich (Kinlochquoich)	3.85	3.1	125.99
Sep. 3..	XI	Blaenau Festiniog (Oakeley Quarry) ...	3.76	3.3	112.23

fall for that station since records began there in 1815; but as a percentage of the year's total, namely 9.9, it represents the lowest maximum over the country since 1885. There have in fact been only five lower values since 1865, though that year's figure was also 9.9.

Dates of occurrence and measurements of the ten largest falls of rain during 1951 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.

Of the 189 daily falls which reached or exceeded $2\frac{1}{2}$ inches, 55 reached or exceeded 3 inches; apart from the previous year's figures, which were only slightly lower, these were the lowest since 1934. Only 6 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. GMT. on the day of entry.

The precipitation of *January* was generally above average, and of frequent occurrence during the whole month, which was unsettled and wet throughout. There were thus few examples of particularly heavy falls. Heavy precipitation in the west and north on the 9th became more general on the 10th, and during

the period 10th-12th flooding was reported along the Thames and in both the Ouse and Derwent valleys in Yorkshire, partly due to the melting of earlier snow. Birmingham experienced a sudden storm with a violent clap of thunder on the 11th and "from Long-bridge to King's Heath hail covered the roadways" according to the *Birmingham Mail* of that evening. All the heavy falls qualifying for inclusion in the Chronicle occurred with a trough of low pressure which affected northern and western areas on the 16th-17th.

January 16

<i>Merionethshire</i>	<i>in. or %</i>
Hendre Goed (Hendre Ddu Cottages) 2.51	2.5

<i>Dunbartonshire</i>	
Loch Sloy (Sloy Power Station)..... 2.50	2.5

<i>Inverness-shire</i>	
Loch Quoich (Kinlochquoich) 3.85	3.1

January 17

<i>Inverness-shire</i>	
Loch Quoich (Kinlochquoich) 2.87	2.3

<i>Ross and Cromarty</i>	
Glenshiel (Kyle) 2.71	2.3

Unsettled weather continued until the last two days of *February*, but the majority of disturbances had their greatest effect in the south-east. Whilst the north and west were not particularly wet, the precipitation for the month at Kew was the highest for February since 1870. A blizzard swept Scotland and the northern counties of England on the 17th, causing a train to be isolated for 30 hours on the Moor of Rannoch, and floods from the previous month were aggravated by continuing rain. There was, however, only one recorded fall of more than 2.5 inches in a day.

February 17

<i>Ross and Cromarty</i>	<i>in. or %</i>
Dundonnell House..... 2.65	4.0

Except for an interval with only slight rain during the first four days of the month, there was no great change in the character of the weather during *March*. It was very wet over England and Wales, and slightly drier than average in Scotland and Northern Ireland.

The rather few heavy falls of the month were associated with a depression which travelled rapidly north-east to the north of Scotland on the 21st.

March 21

<i>Merionethshire</i>	<i>in. or %</i>
Pennal (Llwyn-Celyn) 2.75	4.2
Upper Corris..... 2.59	2.5

March 22

<i>Yorkshire</i>	
Hawes Junction (Moorland Cottage) 2.57	3.4

<i>Westmorland</i>	
Rydal (High Close) 2.82	2.8
Great Langdale (Long House) 3.35	2.8

<i>Dunbartonshire</i>	
Loch Sloy (Sloy Dam)..... 4.25	3.6

During the first half of *April* there was no respite from the unsettled type of weather which had characterized the first three months of the year. On April 10 the flow of the River Nene at Northampton was nine times the average winter flow, and there were floods in many areas about this time. Evesham, Rushden, Esher and Bedford were among the places affected, whilst the *East Anglian Daily Times* of April 11 reported that on the previous day "a turbulent 'sea' covered farmlands in an unbroken 15 miles' stretch from Bungay to Diss." Heavy falls were restricted to the first half of the month, and fairer periods were experienced in the second half.

April 11

<i>Argyllshire</i>	<i>in. or %</i>
Conaglen 2.50	2.6

April 12

<i>Glamorgan</i>	
Rhondda (Lluest Wen Reservoir) ... 2.65	2.4

Stormy periods alternated with drier spells during *May*. The heaviest falls of the first wet period occurred on the 4th-5th and there was flooding in Yorkshire, especially in the West Riding, when 2.15 inches of rain was measured at Bradford on the 4th and 2.30 inches at West Houses (Nidderdale) on the 5th. Cricket and other outdoor activities were abandoned, and both road and rail

traffic were affected. The second wet period culminated in heavy falls on the 26th-27th after which fairer weather prevailed. At Whitby 1·75 inches fell in the 12 hours ending at 9 a.m. on the 27th and considerably greater falls were reported from other parts of the North Riding. Flooding occurred in the valleys of the Esk and the Ure and the *Whitby Gazette* of June 1 reported that "Newholm Beck . . . rose at an amazing rate, and reached the highest level since 1931." Weston-super-Mare also had floods at this time.

May 26

<i>Yorkshire</i>	<i>in. or %</i>
Silpho Moor	2·64 6·1
Sleights (The Hall)	2·74 7·1

June was mainly a month of sunshine and few places had more than the average rainfall, though thunderstorms gave isolated heavy falls in several districts. The outstanding examples, in Scotland, were associated with a complex depression which, from the 21st to the 26th, moved from Spain to Brittany and thence over the Low Countries and northwards over the North Sea.

June 25

<i>Banffshire</i>	<i>in. or %</i>
Keith (Isla Bank Mills)	2·88 7·1
<i>Nairnshire</i>	
Ardclach (Glenferness)	2·92 6·5

Much of the rainfall of July was of a thundery type so that the distribution was irregular both in time and place. The *Glasgow Herald* of the 9th, reporting a storm at Banff on the 7th, which caused damage by lightning, hail, and flooding, pointed out that "only a mile away Macduff was unaffected." Scarborough, Belfast, Chester, Brighton, Rochester, Aberdeen and Dundee were among other places where storms and flooding occurred at some time during the first two weeks of the month, but the *Westmorland Gazette* of the 7th reported water shortage in Westmorland, and the Birmingham press of the 27th-28th dealt with serious drought con-

ditions in the Elan valley threatening Birmingham's water supply. The month was dry on the whole in England and Wales. The thundery weather continued up to the end of the month, and the storms of the 22nd are worthy of special mention as they were remarkably widespread for a thundery type. No part of Great Britain or Northern Ireland remained unaffected except for an area extending from north Norfolk to the Humber and inland to Worksop. The heaviest falls were in the south and in Scotland, where wide areas received more than an inch, and owing to the irregular local distribution of the rain many of the extreme falls may have escaped detection. Falls exceeding an inch, and in some places approaching 2 inches, were also recorded in a broad belt extending from Cardigan to Middlesbrough. Damage by lightning and flooding was very widespread, crops, livestock, buildings and telephone services being among the items mentioned. At least three people were killed by lightning.

July 22

<i>Surrey</i>	<i>in. or %</i>
Farnham (Sewage Works)	3·01 6·6
<i>Hampshire</i>	
Long Sutton	2·68 5·8
<i>Devonshire</i>	
Kenton (Warborough House)	2·62 6·5
Kenton Vicarage	2·89 7·3
<i>Midlothian</i>	
Edinburgh (Davidson's Mains)	2·70 8·1
<i>West Lothian</i>	
Torphicken (Lochcote)	2·52 6·1
Linlithgow (Grange)	2·96 8·0
<i>Fifeshire</i>	
Leslie (Lothrie Reservoir)	2·52 6·3

July 26

<i>Inverness-shire</i>	
Loch Quoich (Kinlochquoich)	2·62 2·1

In August an unsettled and rather cool type of weather prevailed, with thundery tendencies much less marked than in the previous month. It was wetter than average, especially over England, and the very considerable falls which occurred throughout the month were due

mainly to the influence of a series of depressions. A depression off south-west Ireland on the 5th moved slowly to Brittany and then turned north, while another centre formed over France and later affected eastern districts of Britain on the 6th and 7th. This complex development resulted in the 6th, Bank Holiday Monday, appearing as the second wettest day of the year in this Chronicle. The main areas with more than 2 inches were in the East Riding of Yorkshire, to the south-west of Grimsby, the west of Lincoln, around Burton-on-Trent, to the south of Rugby and around Peterborough. Most of England and Wales received more than half an inch but no rain occurred at some places in the west, e.g., Pembroke and Ilfracombe. Floods and damage to crops occurred over wide areas, especially in the Midlands and the north-east. The *Yorkshire Post* of the 8th reported that "hundreds of acres of cereals . . . have been beaten down. . . . Parts of the Yorkshire Wolds have had the heaviest early August rainfall for more than 30 years."

August 5

<i>Devonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Ashburton (West Street)	2.62		4.5

August 6

<i>Northamptonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Rugby (Braunston Rectory)	2.55		7.3
Peterborough (Sewage Pumping Stn.)	2.02		7.8
Market Deeping (Etton)	2.10		8.3

<i>Huntingdonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Conington Castle Gardens	2.42		7.8
Whittlesea Mere	2.00		7.7

<i>Cambridgeshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Stanground Sluice	2.10		7.7

<i>Essex</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Clacton-on-Sea (Hospital Site)	2.04		7.5

<i>Somerset</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Over Stowey (Plainsfield)	2.58		6.2
Over Stowey (Quantock Sanatorium)	2.50		5.5

<i>Staffordshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Tamworth (Sewage Pumping Station)	2.37		7.6
Elford	2.43		8.3
Burton (Outwoods Hospital)	2.74		8.0

<i>Warwickshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Coventry (Stoke)	2.54		7.6
<i>Lincolnshire</i>			
Market Deeping (Wilsthorpe)	2.09		8.0
Barholm	2.21		8.0
<i>Nottinghamshire</i>			
Kelham (Sugar Factory)	2.24		8.8
Mansfield (Rainworth Waterworks)	2.74		8.0
Retford (Sewage Disposal Works)	2.30		8.8
<i>Derbyshire</i>			
Etwell (Blakeley Lodge)	2.30		7.9
<i>Yorkshire</i>			
Burton Pidsea (The Nurseries)	2.48		9.3
Lowthorpe (The Elms)	2.40		7.5
Withernsea (The High School)	2.50		9.6
Hornsea Town Hall	2.33		8.6
Bridlington (Corp'n. Nurseries)	2.39		7.5
Bridlington (Mill Lane)	2.52		8.2
Weaverthorpe (School House)	2.92		7.6
Scarborough (Scalby)	2.47		7.7

August 7

<i>Nairnshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Cawder (Auchindoune)	2.51		7.2

August 25

<i>Glamorgan</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Treherbert Park	2.98		2.9

<i>Brecknockshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Ystradfellte Reservoir	3.02		3.3
Cardiff W. W. (Beacons Reservoir)	3.04		3.0
Cardiff W. W. (Storey Arms Field)	3.19		3.2

Rather warmer weather returned in *September* with an increase in thunderstorm activity added to the continued effects of depressions during much of the month. There were, however, fair spells covering the third week and the last three days of the month. It was wettest in the west and south. The severe thunderstorm at Oxford during the early morning of the 7th (24-hour total credited to the 6th) produced the largest amount for a rainfall day which has ever been recorded at Radcliffe Meteorological Station since records began there in 1815. The storm has been fully described by C. G. Smith in *Weather*, June 1952, Vol. 7, pp. 163-9. Heavy rain preceded a depression (originally a tropical hurricane) which crossed the country early on the 15th; the Lake District in particular was affected (amounts entered to

the 14th) and the level of Lake Windermere rose by 6 inches (*Lancashire Evening Post*, 15th). Thundery rain was again common in many districts on the 24th-27th, giving the heaviest daily fall of the year at Thirlmere (Dale Head Hall) on the 24th, while at Ross-on-Wye, on the 25th, 1·87 inch was recorded; only once since 1859 has a heavier fall occurred there on a September day.

September 1

<i>Kent</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Rye (R.A.F. Station)	2·92		8·2
Alkham (Lower Standen)	2·86		6·6
Whitstable (Westmeads Rec. Ground)	2·70		9·1

September 3

<i>Merionethshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Manod Festiniog	3·10		3·1
Blaenau Festiniog (Oakeley Quarry)	3·76		3·3
Blaenau Festiniog (Llechwedd Quarry)	3·50		3·1

<i>Caernarvonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Snowdon (Cwm Dyli)	2·85		2·0
Snowdon (Cwm Dyli, Old Road)	2·63		1·9

September 4

<i>Merionethshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Blaenau Festiniog (Llechwedd Quarry)	3·20		2·8

<i>Caernarvonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Snowdon (Cwm Dyli)	3·25		2·3
Snowdon (Cwm Dyli, Old Road)	3·18		2·3
Snowdon (Llydaw Intake)	3·67		2·5

September 6

<i>Oxfordshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Oxford (Osney Lock)	2·36		7·7
Oxford (Norham Road)	2·48		7·5
Oxford (Radcliffe Met. Station)	3·34		9·9

September 14

<i>Lancashire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Coniston (Holywath)	2·74		2·6

<i>Westmorland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Hawes Water (Burn Banks)	2·54		3·3
Ambleside (The Lakes U.D.C.)	2·64		3·1
Rydal (High Close)	2·53		2·6
Great Langdale (Long House)	2·67		2·2
Grasmere (Meadow Brow)	2·58		2·5

<i>Caernarvonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Snowdon (Cwm Dyli)	2·60		1·8

<i>Argyllshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Conaglen	2·58		2·6

September 24

<i>Cumberland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Watermillock (Lake View)	2·63		3·7
Watendlath Farm	3·25		3·4
Thirlmere (Dale Head Hall)	4·53		4·0
Keswick (High Hill)	2·93		4·3

<i>Westmorland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Hawes Water (Burn Banks)	3·16		3·8
Patterdale Hall	3·95		3·5
Martindale (Howtown)	3·12		2·6
Rydal (High Close)	2·58		2·6
Rydal (The Hall)	2·73		2·8
Great Langdale (Long House)	4·02		3·4
Grasmere (Meadow Brow)	3·74		3·6

<i>Caernarvonshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Bethesda (Penrhyn Quarries)	2·58		3·5
Snowdon (Llydaw Intake)	2·93		2·0

September 25

<i>Gloucestershire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Redbrook (Pumping Station)	2·64		5·6
Forest of Dean (Reddings Lodge)	2·65		6·1

September 26

<i>Dorset</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Wimbourne St. Giles (St. Giles House)	2·51		5·3

October was a very dry month and there was no record of any fall reaching 2 inches in one day. A very few falls approaching this value occurred in the Hebrides on the 9th, and most of the rain of the month was in the west of Scotland.

By contrast, *November* was exceptionally wet. The passage of depressions, sometimes accompanied by gales and heavy rain, dominated most of the month, and fair interludes were few and brief. Relatively small amounts of rain, continuing from the last few days of the previous month, were recorded up to the 3rd, but late on that day a decisive change set in, due to the activity of a complex Atlantic depression. Widespread south-easterly gales and heavy rain occurred on the 4th and 5th, and rivers began to rise rapidly, flooding low-lying ground in almost all susceptible districts except for East Anglia and the south-east. The basins of the Yorkshire Ouse and the Severn were the most seriously affected, the flood at York being the highest since 1931, except for that in March 1947. A notable feature of these floods was

that they occurred suddenly after a very dry period when most rivers were at a remarkably low level for the time of the year. It might have been expected that the ground would have been able to absorb very considerable amounts of rain and delay the rising of the rivers, but the falls of the 4th-5th were sufficient to saturate the surface layers of the catchments and cause very heavy run-off in a short time. The maps of rainfall distribution for the two days show the effect of orography, particularly where exposure to the south and south-east could play a part (Snowdonia was comparatively sheltered). They also show that the belt of heaviest rain, lying approximately north and south, shifted eastwards from one day to the next; thus South Wales, most of the Pennines, and the Lake District had their heaviest falls on the 4th, whilst the Yorkshire Wolds and the Cleveland had theirs on the 5th, and similarly in Scotland. For the two days together more than 3 inches were recorded over considerable areas on Dartmoor, in Dorset and east Hampshire, in South Wales and the Peak District, in the West Riding, over the North York Moors, and in the Lake District, in Galloway and the Southern Uplands, and over a very large area extending from the head of Loch Fyne to cover most of Perthshire, Angus, Kincardineshire and Aberdeenshire. Floods were renewed in many areas, particularly after the rains of the 14th-15th and during the showery weather which followed up to the 21st. *The Times* of the 17th reported that on the previous night "roads were under water in parts of Surrey, Sussex, Buckinghamshire, Hampshire, Dorset and Somerset" and the *Yorkshire Post* of the 26th said, "Lake Windermere is almost half a mile longer at each end and many yards wider." The very wet period did not come to an end until the 26th.

November 4

<i>Cumberland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Thirlmere (Dale Head Hall)	3.59		3.2
<i>Westmorland</i>			
Patterdale Hall	3.02		2.7

<i>Monmouthshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Cwmtillery Reservoir	3.22		4.7
Abergavenny (Ty-Clyd)	3.35		6.0
<i>Glamorgan</i>			
Rhondda W. W. (Llyn Fawr)	3.06		2.8
<i>Argyllshire</i>			
Ardkinglas	3.71		4.5
Glen Fyne Lodge	3.63		3.9
<i>Perthshire</i>			
Balquhidder (Stronvar)	3.65		5.2
Lochearnhead (Ardloch)	3.56		5.6
Strath Bran (Glenquaich Lodge) ...	3.60		6.2
Aberfeldy (Tigh'n Eilean)	3.47		8.3
Aberfeldy (Grandtully Castle Gdns.)	3.88		9.3
Glen Ogle Head	4.07		5.2
Loch Tay (Ardeonaig)	4.39		8.1
Ardtalnaig (Milton)	4.01		7.5
Loch Tummel (Tummel Power House)	3.32		7.8
<i>Aberdeenshire</i>			
Glen Muick (Allt na Guibhsaich) ..	3.07		5.7

November 5

<i>Yorkshire</i>			
Danby (Bolton Hall)	3.04		6.4
<i>Perthshire</i>			
Foss (Domnaheich)	3.60		8.5
<i>Kincardineshire</i>			
Laurencekirk (Johnston Lodge)	3.01		—
Fettercairn (Fasque)	3.21		7.4
Fordoun (Auchenblae)	3.17		8.4
Strachan (Bridge of Dye)	3.40		6.9
<i>Aberdeenshire</i>			
Aitnash	3.55		6.2
Drumoak (Drum Castle)	3.03		7.2

November 15

<i>Cumberland</i>			
Ravenglass (The Grove)	3.35		6.5
<i>Westmorland</i>			
Patterdale Hall	3.00		2.7

November 16

<i>Cumberland</i>			
Thirlmere (Dale Head Hall)	2.54		2.3
<i>Westmorland</i>			
Patterdale Hall	3.29		2.9

November 19

<i>Westmorland</i>			
Patterdale Hall	2.75		2.4

November 20

<i>Westmorland</i>			
Patterdale Hall	2.73		2.4
Great Langdale (Long House)	2.65		2.2

November 23

<i>Merionethshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Hendre Goed (Hendre Ddu Cottages)	2·50		2·5

November 24

<i>Glamorgan</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Ogmore Valley	2·54		2·6
Rhondda (Lluest Wen Filters)	2·65		2·5
Rhondda (Lluest Wen Reservoir)	3·23		3·0

December was fully as wet as the previous month in mountain districts in the western half of Britain from North Wales northwards. Elsewhere it was drier, and much drier in the south and east. The general character of the weather remained much the same, with a sequence of depressions and some gales. Periods of snow were short-lived, even on high ground, and it was, on the whole, rather mild. Heavy falls were not widespread or remarkable and there was little flooding. Most reports were concerned with Lancashire during or soon after the first week of the month, and with various districts in the north over the Christmas period; the Severn basin was also to some extent affected towards the end of the month.

December 3

<i>Merionethshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Blaenau Festiniog (Llechwedd Quarry)	2·93		2·6
<i>Caernarvonshire</i>			
Snowdon (Llydaw Intake)	2·77		1·9

<i>Inverness-shire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Loch Quoich (Kinlochquoich)	2·80		2·2
<i>Ross and Cromarty</i>			
Glenshiel (Kyle)	3·57		3·0

December 7

<i>Inverness-shire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Loch Hourn (Kinlochourn)	2·67		2·6

December 18

<i>Merionethshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Bala (Craig Nant)	2·56		3·3

December 23

<i>Glamorgan</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Rhondda W. W. (Llyn Fawr)	2·69		2·5
<i>Merionethshire</i>			
Hendre Goed (Hendre Ddu Cottages)	3·25		3·2
Upper Corris	2·90		2·8
<i>Caernarvonshire</i>			
Capel Curig (Glyn Curig)	2·66		2·6
Snowdon (Cwm Dyli)	3·20		2·2
Snowdon (Cwm Dyli, Old Road)	3·00		2·2

December 24

<i>Yorkshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Slaidburn (Hareden Valley)	2·56		3·1
Slaidburn (Langden Brook)	2·70		3·2
Slaidburn (Dunsop Houses)	2·72		3·7
Slaidburn (Whitendale)	2·52		3·0

December 27

<i>Westmorland</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Patterdale Hall	2·56		2·3

December 30

<i>Argyllshire</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Ardnamurchan Lighthouse	2·60		4·8

8 Monthly Rainfall in 1951

Information as to the rainfall of the months of 1951 over Great Britain and Northern Ireland is set out in this section in various forms:

(1) Table 8A gives general values of the monthly and annual rainfall over the constituent areas separately. Similar values for previous years have been given in each volume since 1906 except in the case of Northern Ireland which was included in the volume for 1940-1942 for the first time.

(2) Details are given of some of the largest and smallest monthly totals of rainfall reported during 1951.

(3) In Table 8C the monthly and annual totals of rainfall are set out for 334 stations, distributed as evenly as possible over the country.

(4) Table 8D gives the monthly and annual falls expressed as percentages of the averages for 1881 to 1915. It is confined to 123 stations for which averages are available. The monthly totals, in inches, for stations in 8D are given in Table 8C. At the end of Table 8D general monthly percentage values are given for England, Wales, England and Wales, Scotland and Northern Ireland.

Table 8A General Rainfall for 1951, computed from the average, 1881-1915, by applying the general percentage values given in Tables 8D and 10B to the General Average Values.

Months				England	Wales	Isle of Man	England and Wales	Scotland	Northern Ireland
				in.	in.	in.	in.	in.	in.
January	..	..	..	3.4	6.0	5.4	3.8	6.3	3.8
February	..	..	..	4.5	5.9	3.2	4.7	4.4	3.4
March	..	..	..	4.4	6.0	4.3	4.7	3.8	3.0
April	..	..	..	2.7	3.7	1.5	2.9	4.5	1.9
May	..	..	..	3.2	3.1	4.4	3.2	1.9	1.9
June	..	..	..	1.3	1.3	.9	1.3	2.4	2.9
July	..	..	..	1.9	1.7	2.2	1.9	4.4	3.6
August	..	..	..	4.9	6.4	5.3	5.2	5.6	4.6
September	..	..	..	3.2	5.8	5.2	3.5	3.5	2.9
October	..	..	..	1.2	1.5	.9	1.3	2.0	1.4
November	..	..	..	6.7	9.8	7.7	7.2	8.7	6.1
December	..	..	..	3.5	7.6	6.8	4.0	7.3	4.9
Year	..	..	..	40.9	58.8	47.8	43.7	54.8	40.4

Table 8B General Monthly and Annual Averages of Rainfall 1881-1915

Months				England	Wales	Isle of Man	England and Wales	Scotland	Northern Ireland
				in.	in.	in.	in.	in.	in.
January	..	..		2.69	4.72	3.40	2.99	4.90	3.33
February	..	..		2.34	3.94	3.25	2.57	4.18	2.98
March	..	..		2.47	3.82	3.03	2.67	4.05	3.05
April	..	..	..	1.98	2.96	2.47	2.12	2.99	2.58
May	..	..	..	2.19	2.95	2.82	2.30	3.01	2.70
June	..	..	..	2.33	3.05	2.54	2.44	2.83	2.86
July	..	..	..	2.75	3.60	3.22	2.87	3.78	3.41
August	..	..	..	3.11	4.71	4.01	3.35	4.51	4.16
September	..	..	..	2.37	3.51	3.22	2.54	4.00	3.01
October	..	..	..	3.69	5.63	4.64	3.97	4.90	3.61
November	..	..	..	3.19	5.25	4.73	3.49	5.29	3.81
December	..	..	..	3.56	6.00	4.97	3.92	5.88	4.16
Year	..	..	..	32.67	50.14	42.30	35.23	50.32	39.66

(5) A set of twelve maps showing cartographically the distribution of the percentage monthly values given in Table 8D is reproduced in this article. The corresponding percentage map for the whole year appears as a frontispiece to the volume.

A set of twelve maps showing the distribution of the actual rainfall in each month has been prepared on the scale of 16 miles to the inch, based on the values from some 2,000 stations. Owing to the necessity for economy in printing, these maps have not been reproduced in this Section.

In Table 8B the average values, taken from the Book of Normals, Table 21A (M.O.236, Section V), are given for comparison with the values for 1951 given in Table 8A. The values for Northern Ireland have been evaluated more recently in the same manner as was adopted previously for the other areas.

General Monthly Rainfall

The general monthly values shown in Table 8A have been computed by applying the percentage values given at the end of Table 8D to the average general values for the period 1881-1915. These computed values in inches have been subsequently slightly adjusted in order that the totals for the year should agree with the totals given in Table 10A, which are based on a more exact determination as explained in the text accompanying that table.

The wettest month of the year was November which ranks as the wettest November over both Scotland and Great Britain since comparable statistics became available in 1869. Over England and Wales there were two wetter Novembers, those of 1929 and 1940, with 7.7 and 7.5 inches respectively. More than one-quarter of the total amount for the year fell in the two months November

and December. The total of 11.2 inches over England and Wales had been exceeded five times, but over Scotland the total of 16.0 inches was the largest in the series, being equalled only by that of 1929.

The driest months of the year over England and Wales were June and October, each with 1.3 inches. Over Scotland the driest month was May and in Northern Ireland October.

Extremes of Monthly Rainfall at Individual Stations

(a) *Monthly Totals*:—The largest monthly total, 35.25 inches, was recorded in November at Sprinkling Tarn, at the head of Borrowdale in Cumberland. The amount for December was 31.25 inches, giving a total for the two months of 66.50 inches, the largest amount recorded in those two months since records commenced there in 1864. In Wales the largest total was 30.50 inches at Snowdon (Delta) in December, and in Scotland 24.35 inches at Glenshiel (Kyle), also in December.

The smallest monthly totals in England occurred in June, when .17 inch was recorded at Wareham (Trigon) in south-east Dorset and .21 inch at Kingsclere (North Sydmonton House) in north Hampshire. June also gave the smallest totals for Wales; .30 inch at St. Athan in Glamorgan and .32 inch at Presteign (Evancoyd) in Radnorshire. In May most

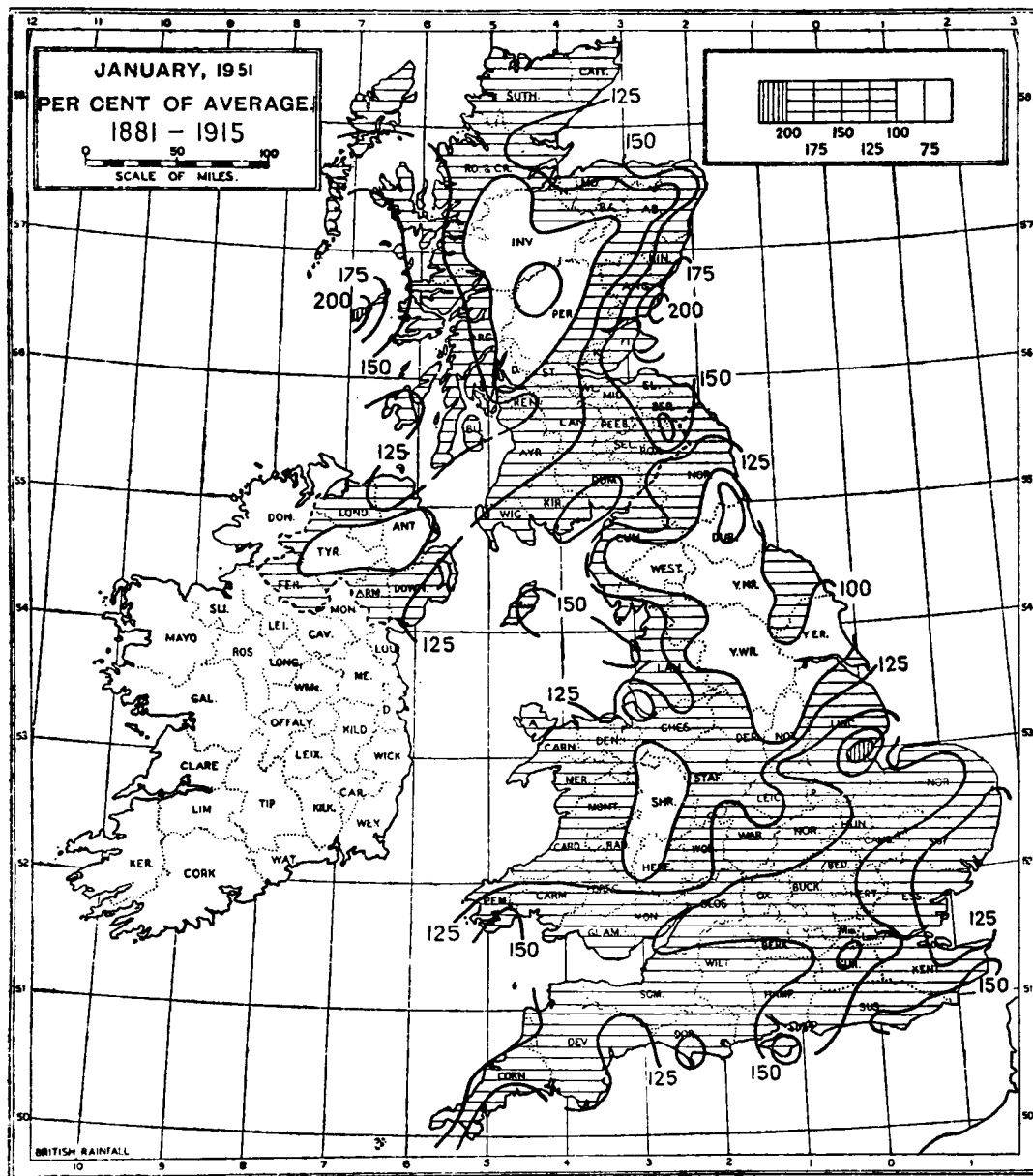
stations in Orkney had less than .20 inch, only .10 inch being recorded at North Ronaldshay. In October .13 inch was recorded at St. Andrews, Fifeshire. For Northern Ireland the smallest monthly amount was .05 inch measured at Grey Abbey, County Down, for October.

(b) *Monthly percentage values*:—Areas with more than twice the average appear on the maps for ten months of the year, with three times the average on the maps for February, and November. The largest percentage values in Table 8D are 337 at Shoburyness in February and 333 at Porton (Wiltshire) in November. On the other hand, in May, June and October there was less than 15 per cent at some stations, the smallest values being 5 per cent at St. Andrews and 6 per cent at Dumfries in October.

The Rainfall and Weather of the Individual Months

In the following pages maps are given showing the distribution of the rainfall each month expressed as percentages of average, together with a short account of the weather. Further details are

given in the *Monthly Weather Report*, which also includes maps of the distribution of rainfall amounts and of mean pressure and the movements of the centres of the main depressions.

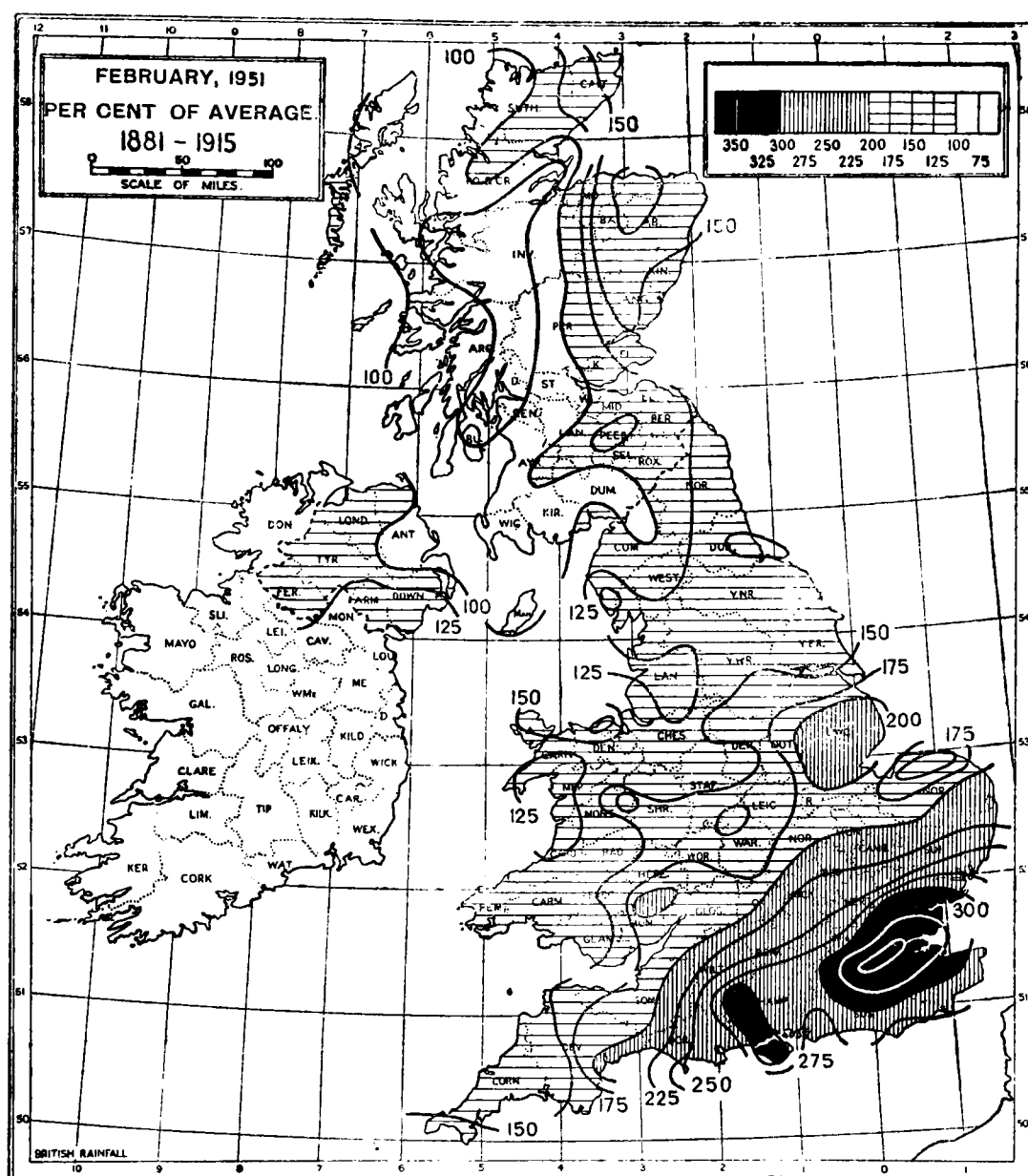


Rainfall, January 1951, as per cent of average

January. Mean pressure was below average over the whole country, the deviation from average being as much as -9.8 mb. at Eskdalemuir. Apart from south-east England mean temperature was below average. Fog developed frequently, being dense in the Forth-Clyde area on the 24th. Precipitation, often sleet and snow, fell mainly from the 1st to the 17th and 25th to the 31st; snow depths were about one foot at Buxton on the 1st, at

Whipsnade on the 3rd and at Scottish stations on the 10th.

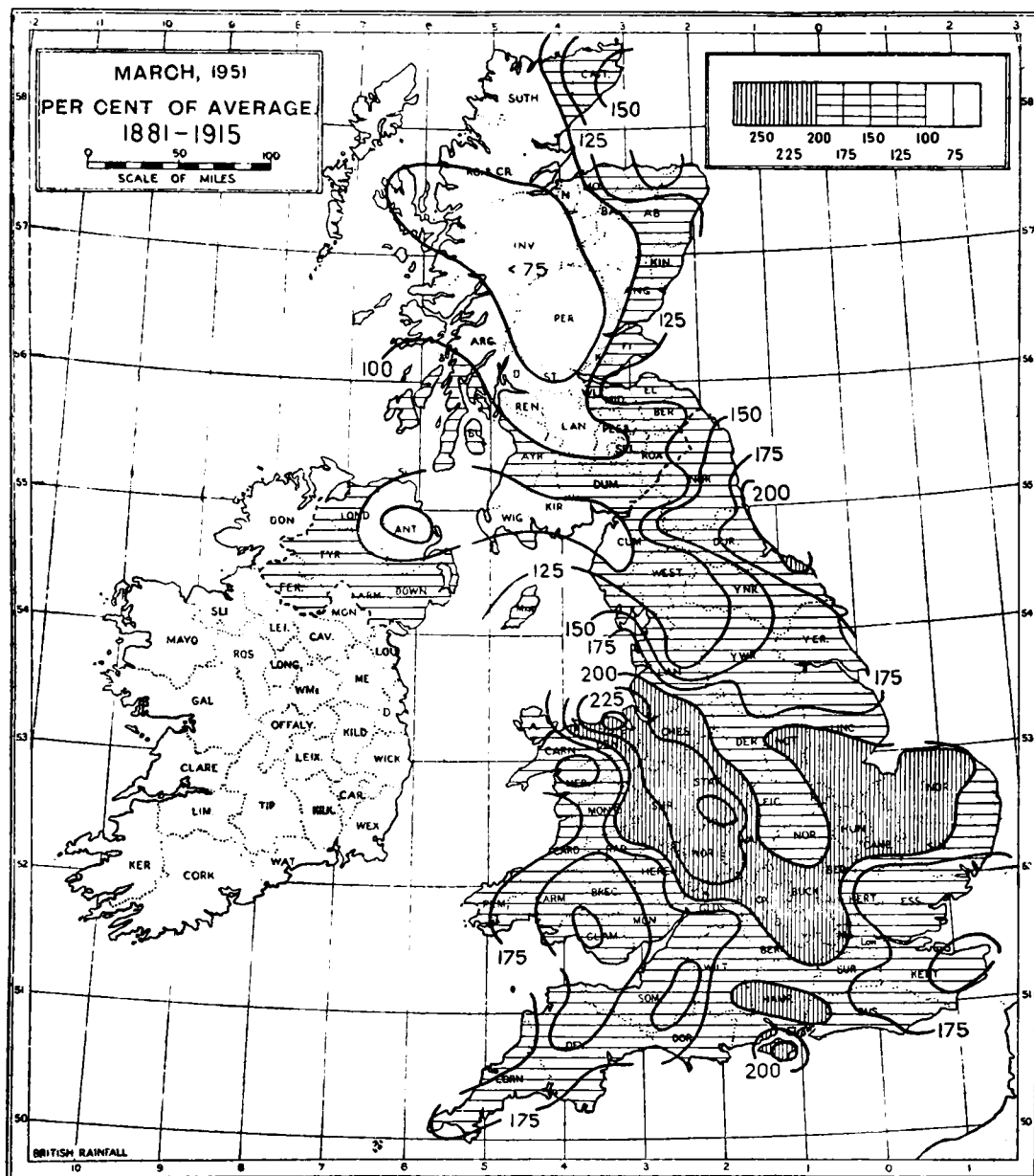
Monthly rainfall totals—which ranged from under 2 inches at places in the east to more than 20 inches over Scafell—were above average except in the west Midlands, parts of northern England, the central Highlands of Scotland and around Lough Neagh. There was more than 150 per cent over much of south-east England and coastal districts of Britain, values locally exceeding 200 per cent.



Rainfall, February 1951, as per cent of average

February. Mean pressure was again much below average. The lowest February pressure ever recorded in the British Isles, 942.3 mb., occurred at Cork on the 4th—a day of widespread gales. Mean temperature was below average for the fourth consecutive month and precipitation was frequently in the form of snow which persisted for long periods in the west and north. Many roads were blocked in Scotland as a result of a blizzard on the 17th.

Except over the western half of Scotland and over County Antrim, rainfall exceeded the average, increasing to more than 200 per cent in the south-east of England, with over 350 per cent to the south-east of London. Kew, with 308 per cent had the wettest February in 82 years. A feature of the distribution in inches was the large area with from 6 to 8 inches, south of the River Thames.

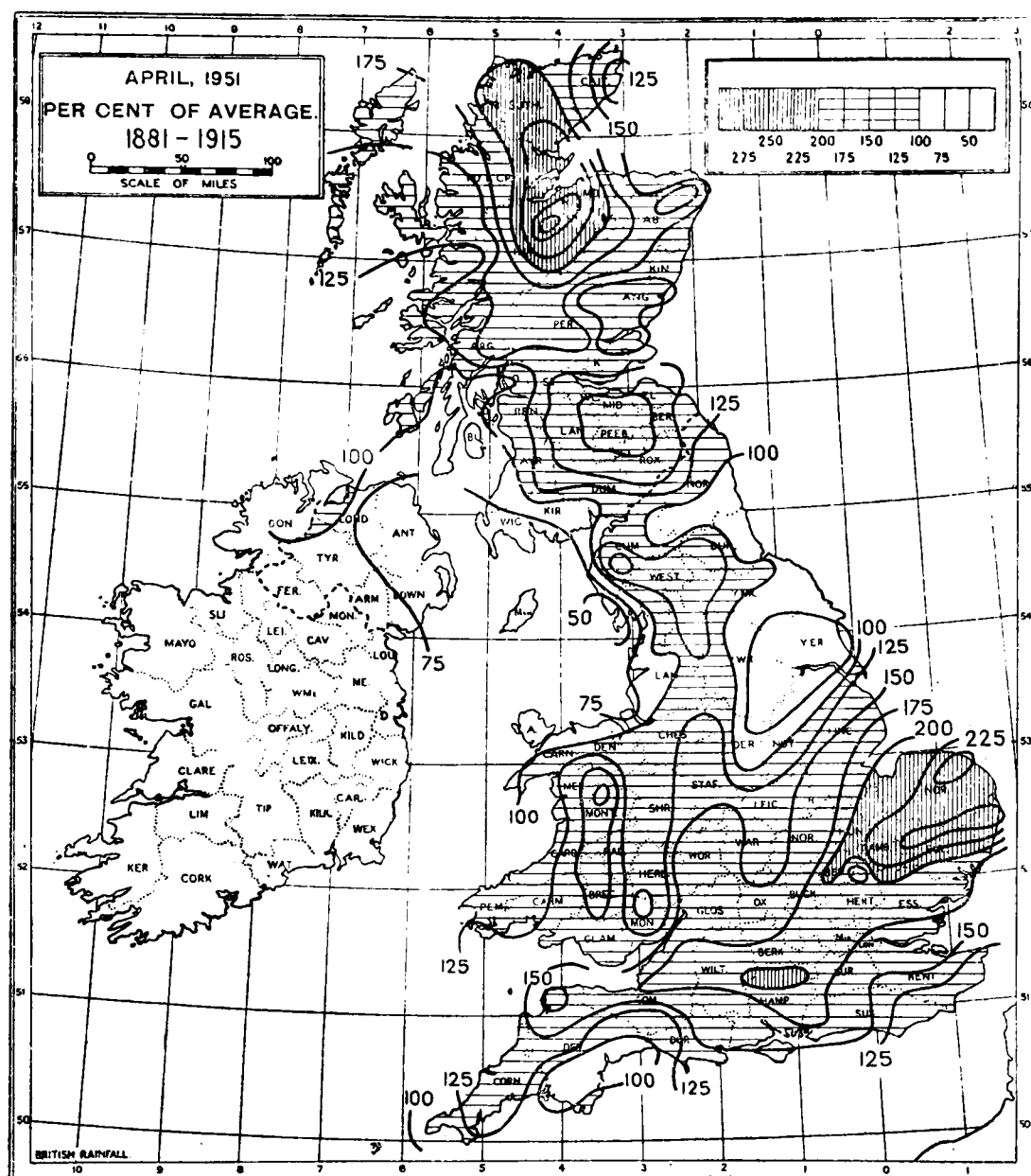


Rainfall, March 1951, as per cent of average

March. Mean pressure was again below average, the deviation at 9h. ranging from -1.1 mb. at Lerwick to -6.9 mb. at Scilly. A number of low pressure systems passed over the southern half of Great Britain during the month and winds from a northerly direction were more frequent than usual. Mean temperature was below average and precipitation was often in the form of showers of sleet and snow, especially during the second and fourth weeks of the month. In ad-

dition, it was a dull month with frequent fogs.

Precipitation was again below average in central and western Scotland and over County Antrim but elsewhere excesses were considerable, with more than twice the average over large areas between the Wirral Peninsula, Hampshire and the Wash. Much of the western half of Great Britain had more than 4 inches, totals generally ranging from less than 3 inches in the east to 20 inches over Scafell.

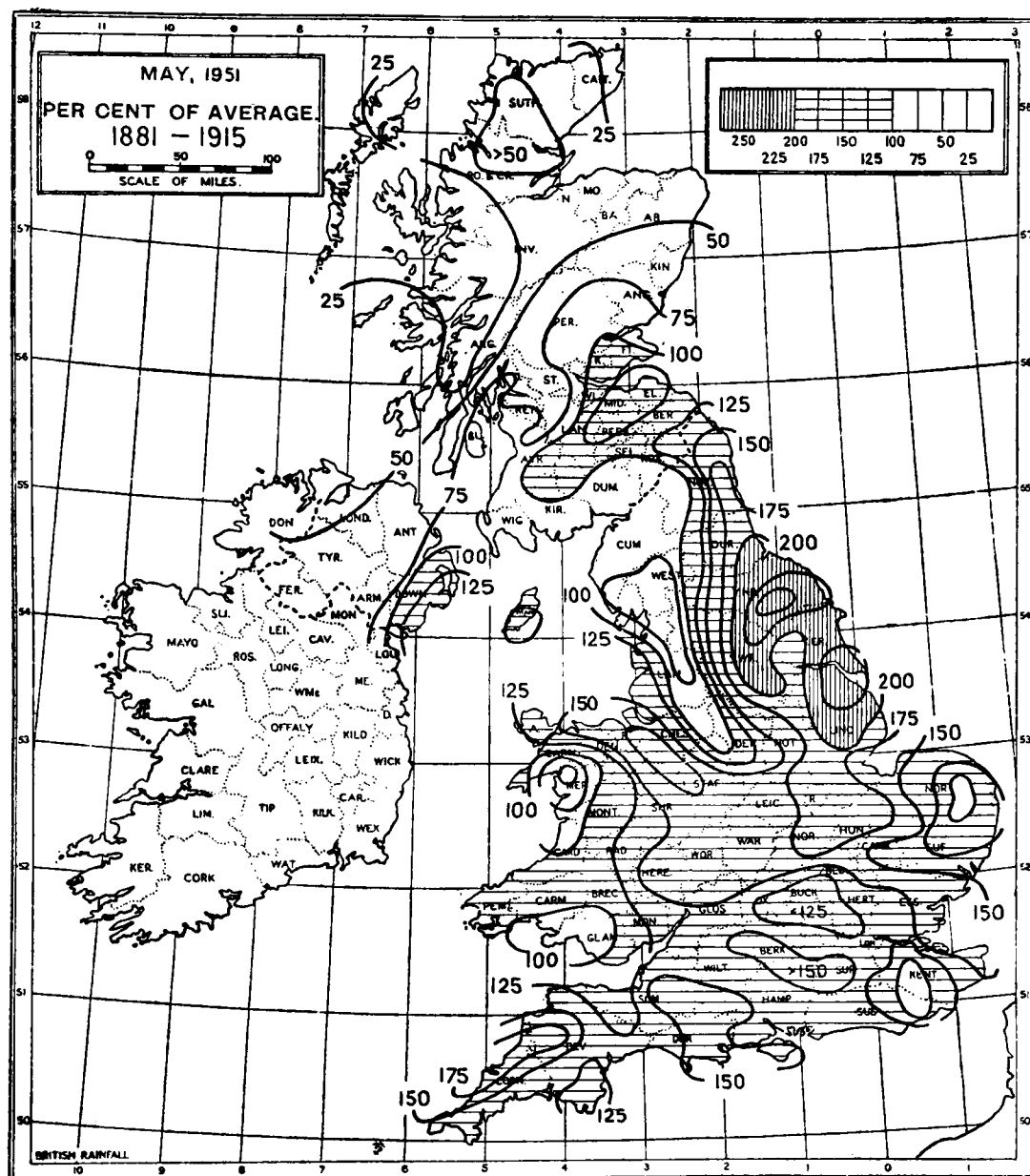


Rainfall, April 1951, as per cent of average

April. Mean pressure varied little from average; winds were frequently northerly and rather stronger than usual. It was the coldest April in Scotland since 1922 and in England and Wales since 1941. Numerous ground frosts were reported and showers of sleet and snow occurred frequently. Another wet period, from the 1st to the 18th, was followed by generally dry, sunny weather until about the 26th. The closing days of the month were cold and showery, with sunny intervals.

Although the month was generally wet, it was also sunny.

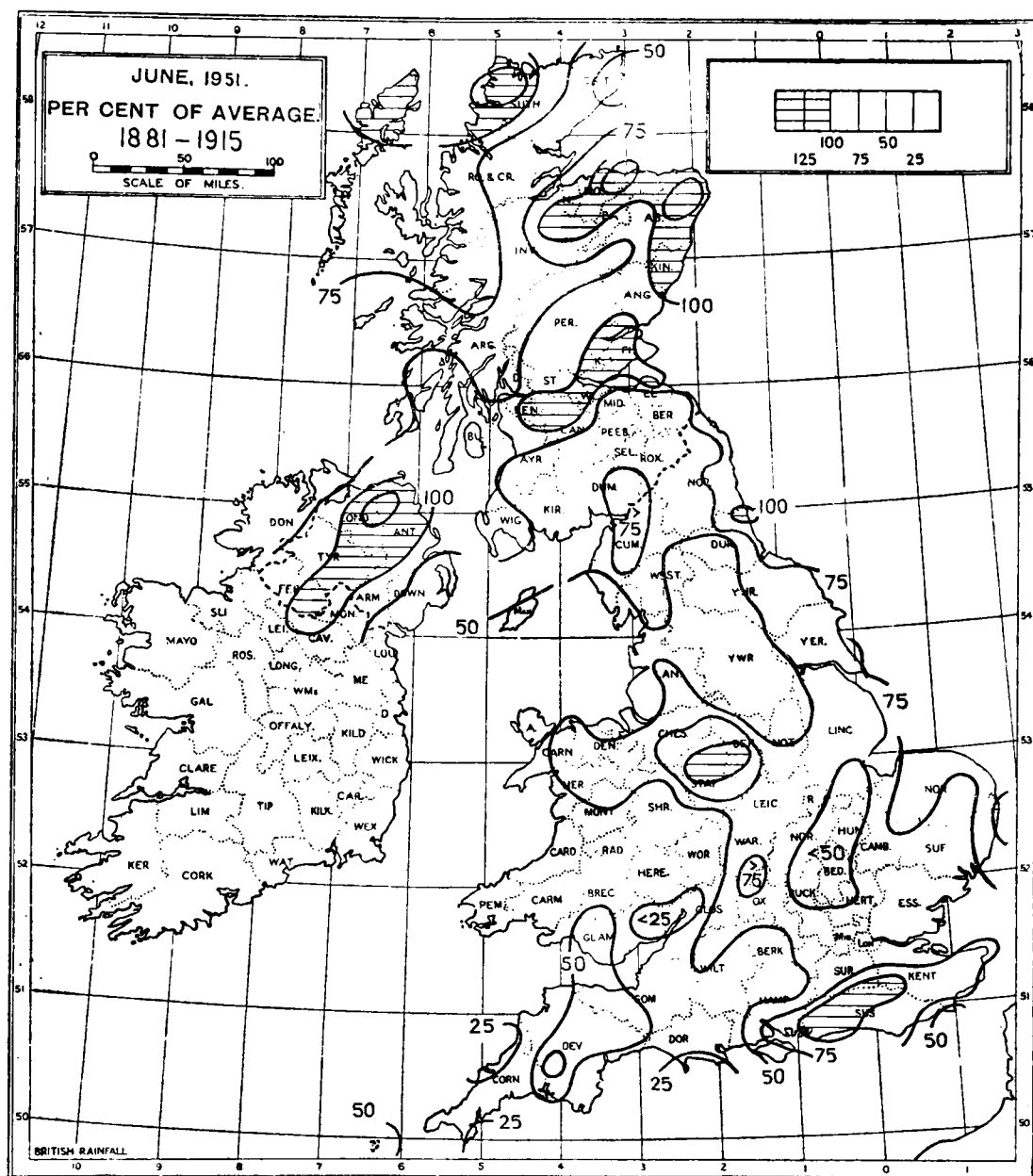
Rainfall was below average over parts of north-east England and coastal districts bordering the Irish Sea but exceeded 150 per cent over much of Scotland and south-east England, with more than 250 per cent around Inverness and in parts of East Anglia. Totals ranged from less than an inch in the plains of the Yorkshire Ouse and Trent to just over 10 inches locally in the west.



Rainfall, May 1951, as per cent of average

May. Mean pressure was highest in the north and lowest in the south, the deviation from average at 9h. ranging from +6.8 mb. at Lerwick to -2.4 mb. at Tunbridge Wells. North-easterly winds were unusually frequent for May and mean temperatures were about 2°F. below normal. It was a dull month in midland and eastern England but unusually sunny in the north and west of Scotland. Rainfall was below average over Scotland

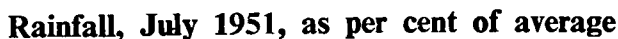
(except in the south-east), over north-west England and parts of Wales, but much of south and eastern England had more than 150 per cent with more than twice the average in much of Yorkshire and Lincolnshire. The extreme range was from 262 per cent near Thirsk to 13 per cent at Fort William and Glenquoich. Most of Scotland had less than 2 inches (with less than .25 inch in Orkney); most of Yorkshire had more than 4 inches.



Rainfall, June 1951, as per cent of average

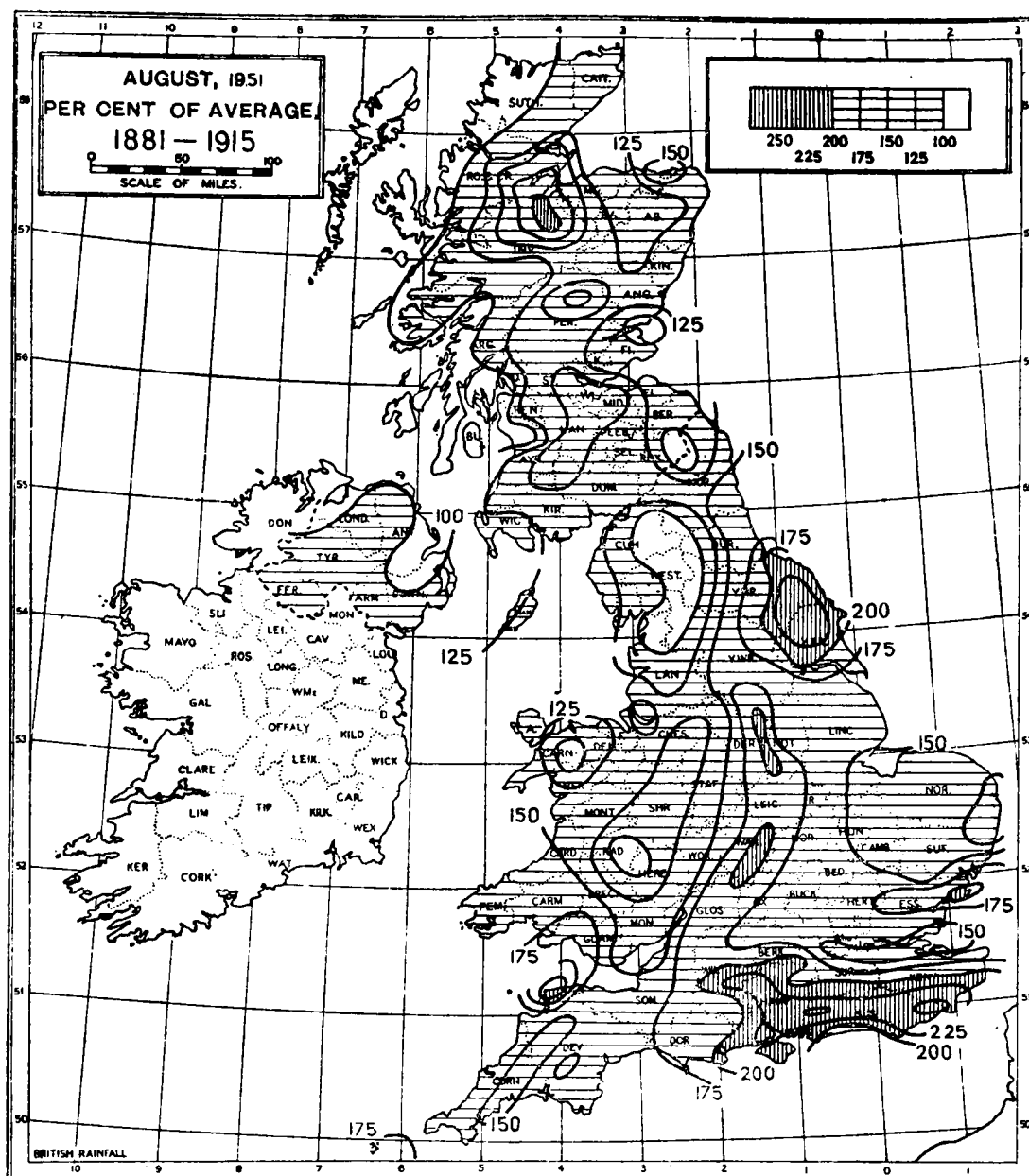
June was sunny and rather dry. Mean pressure was about average except in the north of Scotland where there was a small excess. The total run of the wind was less than average and no station recorded a mean wind-speed, for one hour, greater than 33 knots. Mean temperatures were about average, though in Scotland there were two instances of screen minima of 24°F . a value which has been equalled in June only once in a hundred

years. Rain fell mainly in local showers or thunderstorms but the first 8 and last 7 days of the month were exceptionally dry and sunny. About half England and Wales had less than 50 per cent of average with less than 25 per cent locally in the south-west. Most of England and much of Wales had less than 2 inches and monthly totals exceeded 4 inches only over the more mountainous parts in the west of Britain.



distribution over the country was irregular.

Amounts were mostly above average over Scotland and Northern Ireland but below average over Wales and most of England except the south-east. A wide belt from South Wales to Lincolnshire and the Wash had considerably less than half the average. Much of midland England had less than an inch; large areas in east and west Scotland had more than 4 inches. Totals exceeded 20 inches over Scafell.

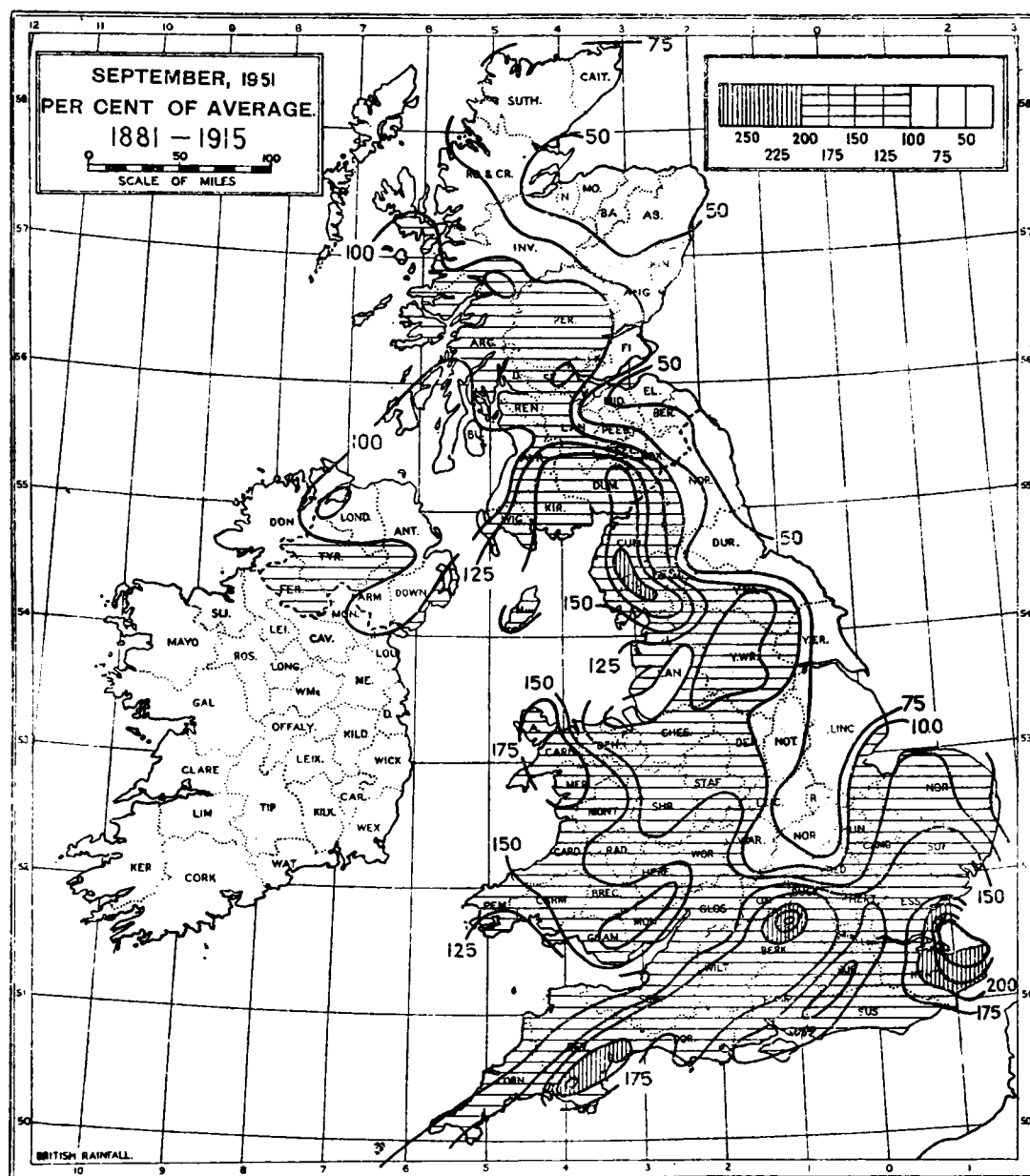


Rainfall, August 1951, as per cent of average

August was unsettled, cool and wet. Mean pressure was below average, the deviation at 9h. ranging from -4.0 mb. at Portland Bill to -6.1 mb. at Eskdalemuir. Winds from between south and west predominated, reaching gale force locally at exposed stations. Fair, warm, sunny weather occurred over England on the 1st and 2nd and over Great Britain generally on the 14th and 15th, but during the rest of the month the passage of

low pressure systems or associated troughs over the country resulted in frequent rainfall. Thunderstorms were general and were widespread on the 9th, 27th and 31st.

Rainfall was slightly deficient locally, mainly in the west, but much of England had more than 150 per cent. South of the Thames and in Yorkshire large areas had more than 200 per cent. Totals exceeded 4 inches over most of Great Britain and Northern Ireland.

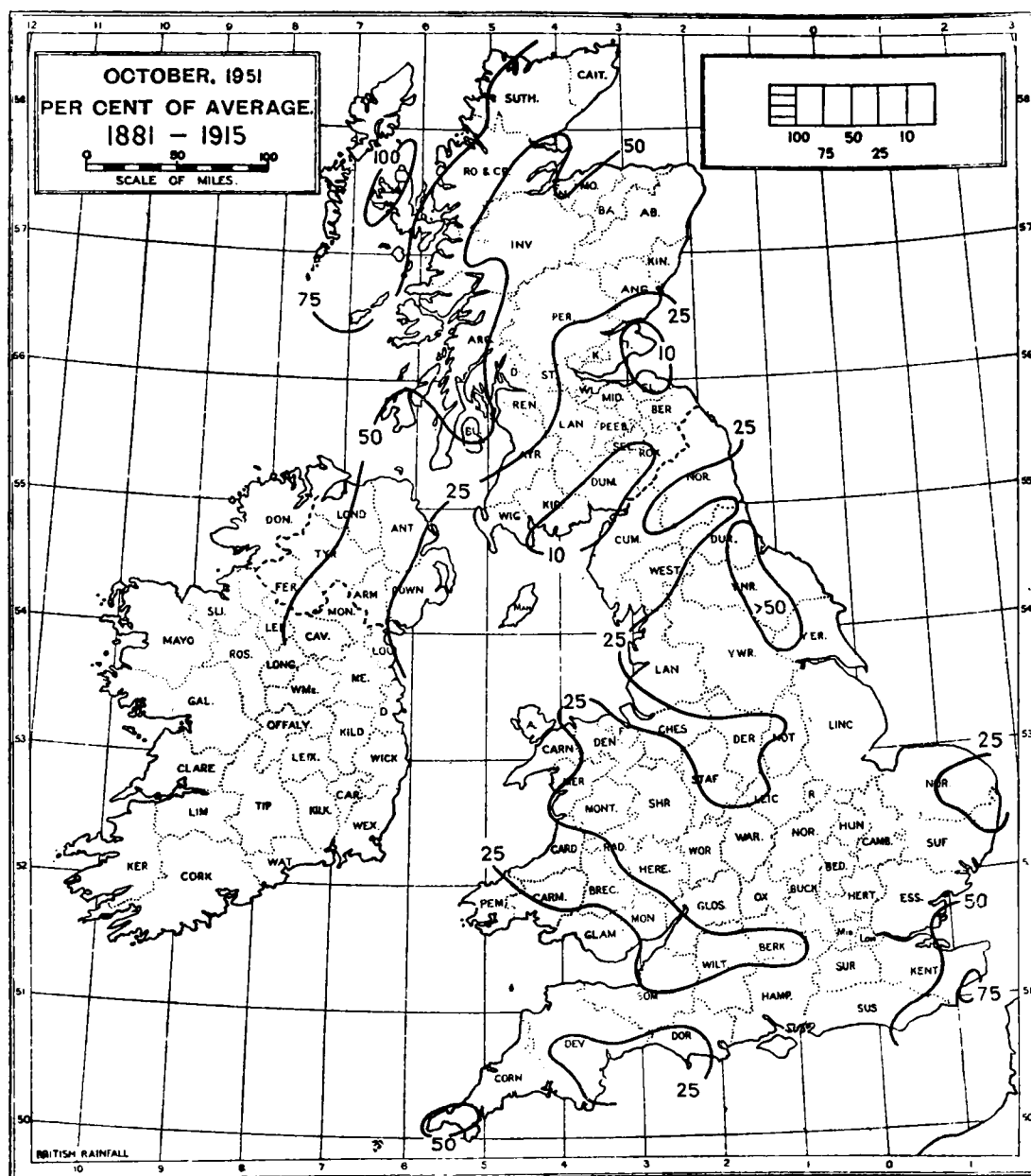


Rainfall, September 1951, as per cent of average

September. Mean pressure was below average, with the greatest deficiency in the west, the deviation at 9h. ranging from -4.9 mb. at Stornoway to -1.3 mb. at Lympne. Mean temperature exceeded the average by about 1.5°F . and thunderstorms were rather frequent.

Rainfall was below average in the north and east of Great Britain and over much of Northern Ireland; from north Aberdeenshire

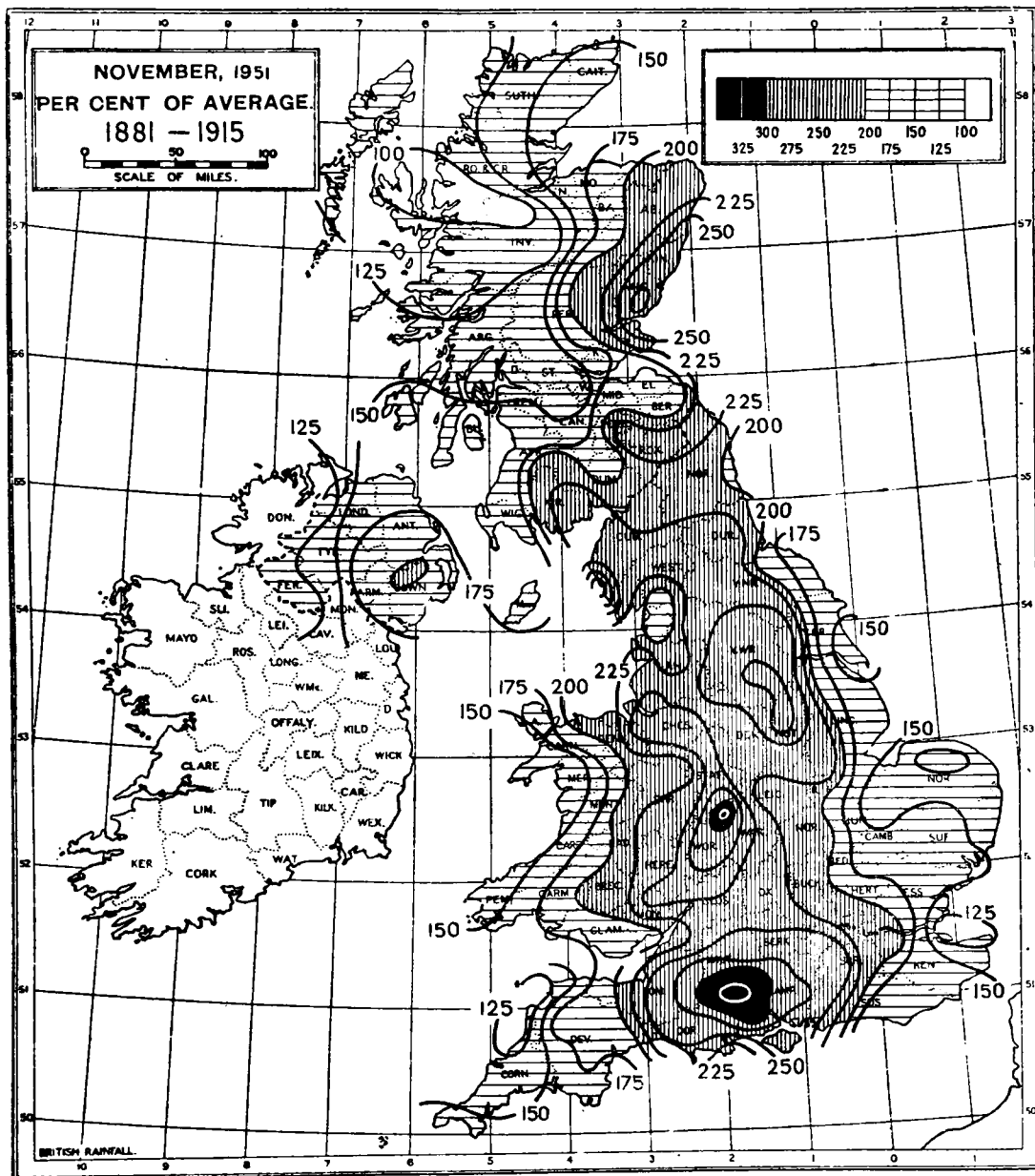
to Morayshire, there was less than 30 per cent. Totals of less than .5 inch were recorded around the Moray Firth. Amounts were excessive in the south and west, much of southern England, Wales, north-west England and south-west Scotland having more than 150 per cent of average. Oxford had 288 per cent (see Section 6). Monthly totals again exceeded 4 inches over large areas in the west and south.



Rainfall, October 1951, as per cent of average

October. Mean pressure exceeded the average everywhere, the deviation at 9h. ranging from +4.2 mb. at Scilly to +8.2 mb. at Tynemouth. The month was quieter than usual, Oxford recording the calmest October since records began in 1881. The weather was mild in the west and north of the British Isles, and generally sunny, mainly anticyclonic conditions prevailing. Over England and Wales it was the driest October, apart from that of 1947, and over Scotland, apart from

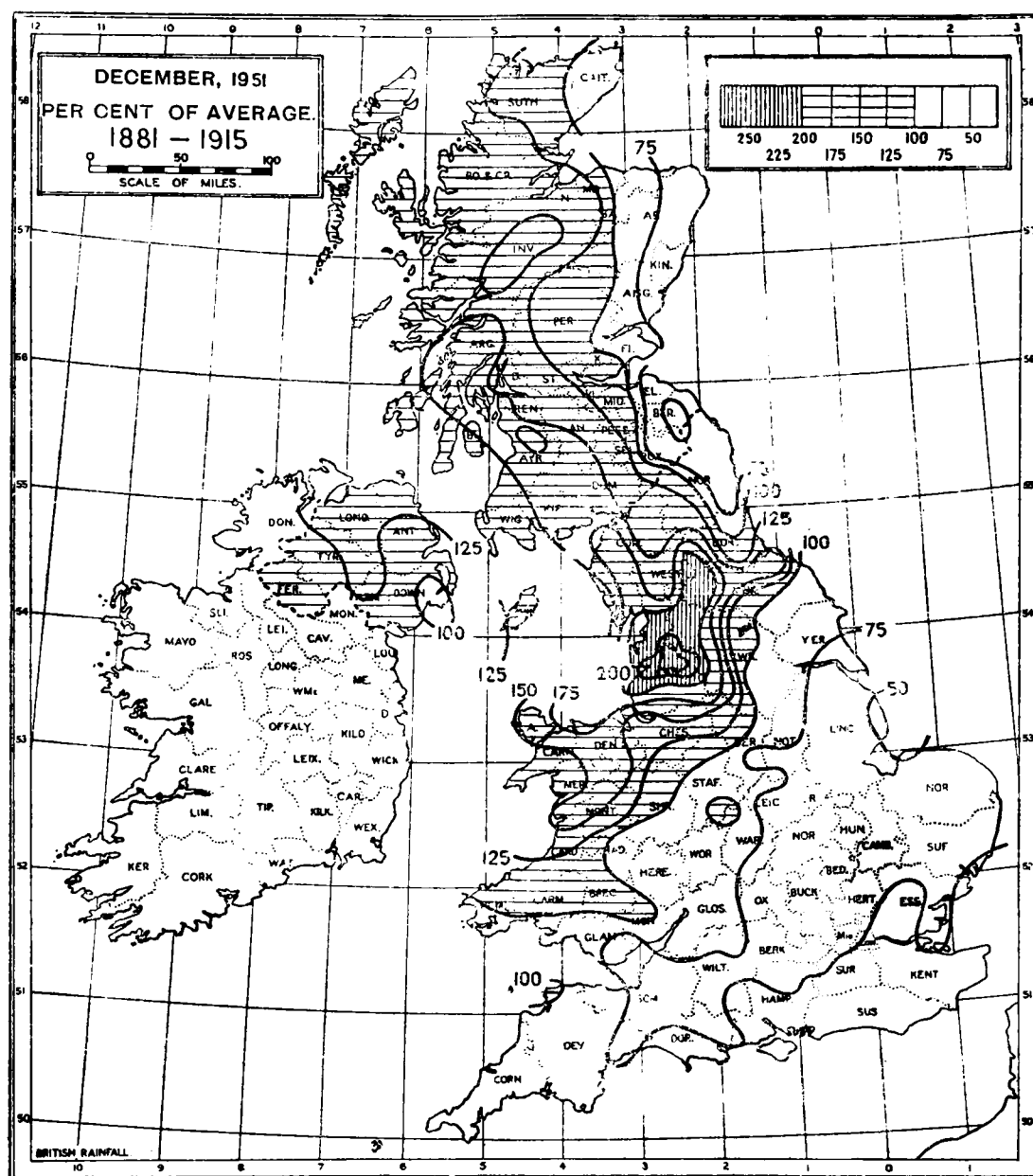
that of 1946. Edinburgh recorded its smallest total for October since 1830. Rainfall exceeded the average only in north Skye. Much of Great Britain south of a line from Aberdeen to Glasgow had less than 30 per cent, with only 5 per cent at St. Andrews (Fifeshire). About half England and much of south and east Scotland had less than one inch, many stations in Fifeshire and East Lothian recording less than .25 inch.



Rainfall, November 1951, as per cent. of average

November. Mean pressure was much below average, the deviation at 9h. ranging from -7.5 mb. at Lerwick to -12.6 mb. at Renfrew and Eskdalemuir. At Oxford the mean pressure was the lowest for November since records began in 1881. Strong winds predominated and the month was unusually mild. Until the 26th a series of low pressure systems and troughs affected the country, giving abnormally wet weather. It was the wettest November on record for Great Britain since

1869 and at Liverpool (Bidston) the wettest for 85 years. Rainfall exceeded the average everywhere except around Skye; twice the average over east and south Scotland and most of central England and three times the average over parts of Hampshire, Wiltshire and around Birmingham. About a quarter of Great Britain had more than 10 inches, totals exceeding 30 inches in the English Lake District. Heavy falls were recorded on the 4th and 5th.



Rainfall, December 1951, as per cent of average

December. The mean pressure gradient was steeper than usual, the deviation at 9h. ranging from -6.8 mb. at Lerwick to $+3.4$ mb. at Newquay. Winds were mainly from between south and west, with frequent gales at exposed stations. Mean temperature again exceeded the average, but there was a cold spell from the 10th to the 13th. Snow lay to a depth of 9 inches at Tomintoul on the 10th and appreciable snow fell in the Scottish

Highlands and over the Pennines on the 26th. Rainfall was less than average in the east of Scotland and over much of England. Western districts from South Wales to Sutherland had more than the average with more than twice the average over parts of Lancashire and the west of Yorkshire. Totals exceeded 10 inches over high ground in the west and over parts of the Pennines, with more than 30 inches over Snowdon and Scafell.

Table 8C Monthly Rainfall at 334 Stations in Great Britain and Northern Ireland in 1951
ENGLAND, WALES AND THE ISLANDS

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
London	St. Pancras (Camden Square)	2.84	5.04	3.22	2.58	2.12	1.16	1.46	3.66	2.57	.91	4.83	1.80	32.19
Surrey	Godalming (Kingscote)	3.72	6.76	4.40	2.58	2.58	1.09	1.72	4.23	2.84	.86	8.63	3.61	43.02
"	Byfleet (Wisley R.H.S. Gardens)	3.10	5.88	3.55	2.56	2.61	.91	1.47	2.87	2.34	.63	6.44	2.37	34.73
Kent	Folkestone (Cherry Garden)	3.52	5.72	3.31	2.02	2.15	1.65	1.32	5.46	5.34	3.21	5.12	2.57	41.39
"	Canterbury (Sewage Works)	2.90	6.26	3.03	1.94	2.36	1.25	1.10	3.22	3.57	1.74	4.23	2.64	34.24
"	Edenbridge (Falconhurst)	3.52	7.20	3.97	2.45	2.11	2.53	2.56	5.44	3.88	1.61	6.23	3.12	44.62
"	East Malling (Research Station)	2.66	5.90	3.37	2.92	1.65	1.31	2.79	3.69	3.91	1.05	4.35	2.21	35.81
"	Strood (Waterworks)	2.34	5.83	3.11	2.47	2.09	1.30	2.64	2.97	3.76	.83	3.48	2.09	32.91
"	Bromley	2.73	6.70	2.84	2.44	2.17	1.10	2.38	3.11	2.14	.89	5.30	2.20	34.00
Sussex	Bognor Regis (Waterloo Square)	4.10	5.98	3.79	1.78	2.41	1.97	2.72	4.86	3.24	1.21	5.59	2.76	40.41
"	Compton (Compton House)	5.01	6.68	5.92	3.59	2.80	3.00	2.33	7.94	3.39	1.54	10.15	3.98	56.33
"	Horsham (Wimblehurst)	3.49	6.87	3.52	2.76	2.56	2.16	1.78	5.35	3.31	1.40	6.06	4.01	43.27
"	Worthing (Beach House Park)	3.37	5.49	3.44	2.39	2.36	1.88	2.77	4.14	3.46	1.37	4.57	2.74	37.98
"	Hailsham (Magham Down)	3.69	6.67	4.21	2.00	2.45	1.05	1.69	5.60	3.96	3.18	5.66	2.79	42.95
Hampshire	Ventnor Park	4.95	6.58	4.75	2.43	3.01	1.37	1.58	4.08	4.26	1.61	8.57	2.83	46.02
"	Bournemouth (Vale View)	3.22	6.04	3.56	3.10	2.57	.54	1.19	4.14	3.25	1.66	10.00	2.89	42.16
"	Sway (Gordleton)	3.86	6.19	4.90	2.40	2.44	1.10	1.90	5.21	3.76	1.51	10.02	2.98	46.27
"	Stockbridge (Leckford Estate)	3.55	6.80	3.82	2.90	3.15	.60	1.67	4.88	4.38	.66	9.02	2.88	44.31
"	Portsmouth (Southsea Common)	3.23	5.69	3.93	2.22	2.19	1.65	2.30	3.84	3.06	1.42	7.02	2.69	39.24
"	Selborne (The Wakes)	4.89	8.31	5.44	3.34	3.00	1.96	3.14	5.93	3.40	1.18	10.71	4.23	55.53
"	Sherborne St. John	2.95	6.21	4.06	3.66	2.95	.64	1.36	4.61	3.61	.92	7.79	2.29	41.05
Berkshire	Newbury (Greenham Common)	4.25	5.73	3.94	3.32	2.74	.32	1.40	4.52	3.13	.82	8.08	3.11	41.36
"	Didcot (Sewage Works)	2.59	4.21	3.39	2.69	2.88	1.24	1.16	3.55	2.98	.66	5.29	2.31	32.95
Hertfordshire	Harpden (Rothamsted)	3.37	4.68	3.35	2.76	2.53	1.03	1.23	3.72	3.30	1.19	5.19	2.06	34.41
"	Royston (Therfield Rectory)	1.79	3.75	3.18	2.72	3.06	1.26	1.33	4.25	2.20	.75	3.84	1.39	29.52
Buckinghamshire	Princes Risborough (Research Lab.)	2.57	5.02	3.84	2.64	2.36	1.28	.97	3.51	2.93	.81	5.58	2.04	33.55
"	Slough (Upton)	2.82	5.03	3.56	2.85	2.23	1.15	1.33	3.10	3.15	.95	5.76	1.49	33.42
"	Penn (Rayners)	3.90	5.67	4.06	3.20	2.62	1.16	1.27	4.14	3.37	1.20	6.96	1.78	39.33
Oxfordshire	Oving House	3.03	3.18	3.20	2.40	3.09	1.35	2.00	4.17	2.90	1.20	4.84	1.65	33.01
"	Oxford (Radcliffe Met. Station)	3.07	3.45	3.55	2.55	2.10	1.41	1.34	3.67	4.92	.89	5.19	1.56	33.70
"	West Adderbury (Cross Hill)	2.74	3.17	3.73	2.77	3.47	1.60	1.75	5.27	2.29	.88	5.84	2.18	35.69
Northamptonshire	Brockhall (The Old Rectory)	2.12	3.08	3.47	2.81	2.53	1.07	1.14	5.21	1.43	.74	4.84	1.84	30.28
"	Wellingborough (Swanspool)	2.38	3.25	3.28	2.59	3.47	.99	.82	3.99	1.27	.68	4.64	1.75	29.11
Huntingdonshire	St. Ives (Tenterleas)	3.02	2.70	3.18	2.92	2.22	1.35	.78	3.89	1.91	1.03	2.95	1.21	27.16
"	Whittlesea Mere	2.18	2.44	2.58	2.43	3.25	1.37	.72	4.46	1.80	.80	2.84	1.20	26.07
Bedfordshire	Woburn (Experimental Farm)	2.58	3.54	3.47	3.02	2.41	.83	1.75	3.77	2.05	1.24	4.36	1.56	30.58
"	Sandy (Mogerhanger Park)	2.03	3.09	2.89	2.83	2.21	1.34	.93	3.60	1.71	1.02	3.75	1.41	26.81
Cambridgeshire	Cambridge (Botanic Gardens)	2.33	2.62	2.97	3.16	2.46	1.23	.83	3.31	2.18	1.07	2.90	1.33	26.39

Table 8C Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Cambridgeshire	Littleport (Highfield House)	2.41	1.85	2.92	2.64	2.81	1.23	.64	2.66	2.22	in.	2.65	1.23	24.18
"	March	2.49	2.40	3.39	2.66	3.40	.99	.62	3.52	1.94	.92	2.97	1.32	26.62
Essex	Hatfield Broad Oak (Barrington)	2.38	5.11	2.97	2.57	2.69	1.20	.84	4.13	3.03	.79	4.29	2.07	32.07
"	North Weald (Canes)	2.38	5.91	3.19	2.62	2.37	.54	.76	3.90	3.39	.81	4.74	2.08	32.69
"	Shoeburyness	1.40	4.14	2.13	2.06	1.96	1.13	2.41	2.27	4.29	1.24	2.51	1.35	26.89
"	Bradwell-on-Sea (Bellropes)	2.11	4.83	2.09	2.87	2.05	1.13	2.33	2.66	2.94	.71	2.92	1.29	27.94
"	Maldon	2.18	4.65	2.14	2.59	2.05	.94	1.70	2.51	2.29	.62	3.42	1.61	26.70
"	Earls Colne (Grammar School)	1.86	4.51	2.88	2.53	2.46	1.07	2.12	2.41	2.89	.82	3.52	1.79	28.86
"	Dovercourt	1.83	3.73	2.59	2.26	2.09	1.18	2.02	3.61	2.93	.78	3.31	1.77	28.10
Suffolk	Ipswich (Belstead Hall)	1.76	3.39	3.01	2.71	2.00	1.13	2.43	3.40	2.45	.52	3.46	1.85	28.11
"	Lowestoft (Secondary School)	2.04	2.85	2.59	3.81	1.90	1.41	1.40	3.41	3.42	.56	3.38	1.50	27.85
"	Bury St. Edmunds (Westley Hall)	2.26	3.32	3.86	4.12	2.27	1.99	1.40	3.41	3.42	.89	3.90	1.66	31.92
Norfolk	Wymondham (Browick Hall)	3.20	3.10	3.59	3.32	1.74	1.10	2.40	2.96	2.02	.76	3.28	1.24	28.71
"	Cawston (New Street)	2.99	2.96	3.04	3.05	1.63	1.25	1.83	3.22	2.07	.66	3.49	1.40	27.59
"	Sprowston	2.91	3.16	3.39	3.63	1.68	1.32	2.19	3.48	2.25	.69	3.29	1.47	29.46
"	Sandringham House Gardens	2.85	2.37	3.95	3.33	2.71	1.71	1.48	3.59	2.63	1.06	3.09	1.40	30.17
"	Cromer (Howards Hill)	2.86	2.18	3.33	3.25	2.28	1.64	1.72	3.53	2.10	1.04	3.11	1.38	28.42
"	Hunstanton	2.64	2.14	3.16	3.15	2.85	.99	1.04	3.58	2.72	1.02	3.26	1.22	27.77
"	Thetford (Waterworks)	2.68	3.05	3.42	3.40	1.68	.92	.81	2.97	2.39	.71	3.34	1.39	26.76
Wiltshire	Fonthill House Gardens	4.87	7.52	5.02	4.42	3.46	.93	1.52	6.11	3.72	1.36	11.11	3.92	53.96
"	Larkhill (School of Artillery)	2.87	5.81	3.57	3.48	2.40	.59	1.03	5.02	3.06	1.16	7.94	2.72	39.65
"	Porton (C.D.E.E.)	3.07	6.32	4.17	2.72	3.04	.82	1.06	4.30	3.30	.95	8.96	3.06	41.77
"	Aldbourn (Manor House)	3.59	5.09	4.10	3.51	3.03	.97	1.37	4.30	3.83	.67	7.42	2.81	40.69
Dorset	Creech Grange	4.41	7.27	5.09	2.89	3.20	.55	1.19	6.03	4.54	1.63	8.85	3.75	49.40
"	Beaminster (East Street)	4.40	6.04	4.38	2.36	2.81	.95	2.79	5.81	4.29	.82	10.33	3.68	48.66
"	Blandford (Bryanston)	3.87	6.15	4.85	2.96	2.90	.49	1.35	5.82	4.37	1.26	11.27	3.83	49.12
Devonshire, South	Plymouth (The Hoe)	4.76	4.16	4.79	1.87	2.75	1.14	1.19	5.01	5.05	1.22	6.03	3.74	41.71
"	Ashburton (West Street)	7.41	7.15	5.72	2.63	2.67	.89	1.85	7.30	5.74	1.25	8.92	6.71	58.24
"	Princetown (H.M. Prison)	9.98	9.50	9.49	4.77	3.93	3.45	4.32	13.62	9.62	2.29	14.80	9.68	95.45
"	Teignmouth (Den Gardens)	3.26	5.87	4.57	1.78	2.62	.82	1.82	3.61	4.31	.71	5.53	2.95	37.85
"	Crediton (Okefeld)	3.07	3.81	4.06	2.41	2.85	1.40	2.63	3.22	3.78	1.46	5.53	2.36	36.58
"	Cullompton	3.62	5.05	4.40	2.27	2.66	1.17	1.26	5.00	4.00	1.32	6.72	3.30	40.77
"	Sidmouth (Loretto)	3.32	4.37	3.96	1.95	3.05	.96	1.72	3.86	3.77	.92	5.61	2.44	35.93
Devonshire, North	Ilfracombe (Bowling Green)	4.80	4.71	4.84	4.14	2.93	.98	1.20	8.34	2.85	1.49	4.80	4.98	46.06
"	Okehampton (Uplands)	7.29	7.70	5.75	4.78	5.16	1.92	(3.54)	5.81	4.53	1.53	9.35	6.12	63.48
"	Torrington (Caynton House)	5.63	4.90	4.83	3.13	2.82	1.01	2.00	4.30	2.89	1.51	4.96	4.38	42.36
Cornwall	Newquay (Mount Wise)	4.50	3.51	4.77	3.16	2.97	.33	1.88	3.95	3.31	1.58	5.48	3.97	39.41
"	Bodmin (Castle Hill House)	5.96	5.63	5.56	2.80	4.22	1.12	1.62	5.91	4.41	2.66	7.60	5.12	52.61

Table 8C Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Cornwall.....1	Bude (School House)	4.92	3.70	4.68	2.45	3.62	.51	1.03	4.48	2.53	1.76	3.84	3.66	37.18
".....2	Penzance (Morrab Gardens)	6.10	5.64	5.39	2.62	3.28	.59	1.07	4.88	4.24	2.39	7.33	4.97	48.50
".....2	Falmouth Observatory	5.03	4.53	6.21	2.83	3.10	.52	.84	5.07	4.44	1.91	6.68	5.09	46.05
".....2	St. Austell (Poltair Public Gardens)	5.32	5.36	5.65	3.99	3.40	.81	1.72	5.09	4.76	2.01	6.87	5.02	50.00
".....4	Scilly (Tresco Abbey)	5.31	4.40	4.91	1.65	2.48	1.11	.48	4.96	3.18	1.42	5.46	4.54	39.90
Somerset.....1	Litton (Sherborne Reservoir)	4.46	6.22	4.84	4.65	3.58	1.22	2.47	6.84	3.15	.93	9.83	3.29	51.48
".....1	Bath (Henrietta Park)	2.74	4.66	3.35	4.04	2.39	1.61	1.06	5.40	3.27	.72	7.73	2.56	39.53
".....2	Street (Millfield)	2.85	3.57	2.90	3.40	2.95	1.53	1.17	4.62	2.95	.79	6.80	2.49	36.02
".....2	Burnham (Dunstan House)	2.88	3.30	3.54	3.38	2.91	.71	1.90	4.41	3.23	.82	6.73	2.17	35.98
".....3	Taunton (Vivary Park)	2.99	4.23	3.10	2.76	2.80	.58	1.63	3.64	2.05	1.01	7.05	2.65	34.49
".....5	Brushford Nurseries	6.93	6.15	4.92	3.40	2.82	1.62	1.78	4.22	3.74	2.00	8.28	4.37	50.23
Gloucestershire.....3	Cheltenham (Montpellier Gardens)	2.46	3.43	3.90	2.93	2.88	.47	.87	4.68	2.03	.74	6.34	2.18	32.91
".....4	Blockley (The Manor House)	3.13	3.98	4.48	3.68	3.55	.86	1.01	5.67	3.88	1.21	7.22	2.52	41.19
".....7	Lechlade (Clayton House)	2.52	3.36	3.69	2.32	2.09	1.00	1.12	4.57	3.00	.79	5.12	2.00	31.58
".....7	Cirencester (Somerford Road)	4.12	4.03	3.91	3.02	2.92	1.30	1.94	5.31	3.27	1.02	6.75	2.63	40.22
Herefordshire.....1	Ross-on-Wye	2.62	4.25	3.69	2.17	3.19	.74	.71	3.32	3.38	.82	7.12	2.76	34.77
".....1	Vowchurch (Ladywell House)	2.85	4.29	4.56	2.36	4.14	.96	.53	3.09	3.05	1.16	8.05	3.03	38.07
".....1	Prestigne (Middlemoor)	3.45	3.43	4.73	2.36	3.54	.24	1.61	3.74	2.58	.94	9.01	2.85	38.48
Shropshire.....3	Bromfield (Oakly Park)	2.64	3.21	4.20	2.04	2.50	.50	2.38	3.21	2.63	.92	7.41	2.72	34.36
".....3	Church Stretton (Sewage Works)	2.54	3.92	5.20	2.41	3.32	.79	2.36	3.80	2.54	1.25	7.53	3.34	39.00
".....3	Shrewsbury (Monkmoor)	1.89	2.02	4.15	1.84	3.15	1.02	1.63	3.24	1.98	.81	4.94	2.47	29.14
".....4	Shifnal (Hatton Grange)	2.53	2.42	4.26	1.82	3.97	1.43	1.90	3.33	1.81	1.48	6.56	2.64	33.75
".....4	Oswestry (Mount Reservoir)	2.94	3.41	4.82	2.32	3.24	1.30	1.90	5.83	3.06	1.51	8.07	4.57	42.97
Staffordshire.....3	Lichfield (Hanch Reservoir)	2.19	2.36	4.31	1.80	3.75	1.70	.68	5.60	1.89	.82	5.48	2.10	32.68
".....3	Stafford (Victoria Pleasure Ground)	2.16	2.39	3.88	2.20	2.79	1.70	1.31	3.95	3.00	.96	5.71	2.40	32.45
".....4	Longton (The Meir)	2.48	3.00	4.33	2.58	3.01	2.35	1.98	5.33	2.45	.80	9.51	3.57	41.39
Worcestershire.....1	Malvern (Free Library)	2.43	3.29	4.62	2.88	3.55	.64	.98	3.78	2.89	1.04	6.98	2.66	35.74
".....2	Stourport (Lincombe Lock)	2.22	2.39	3.51	2.44	3.15	.95	1.36	3.89	2.34	.68	6.22	2.16	31.31
Warwickshire.....1	Alester (Arrowside)	2.81	2.29	3.97	2.55	3.02	1.07	1.43	4.36	1.81	.92	6.85	1.67	32.75
".....1	Leamington Spa (Pump Room Gdns.)	2.42	2.64	3.60	2.21	2.97	2.05	.76	4.96	1.60	.83	5.02	1.74	30.80
".....1	Coventry (City Hospital)	2.38	2.90	3.63	2.06	3.23	1.33	1.53	5.54	1.44	1.01	5.87	1.58	32.50
".....4	Birmingham (Edgbaston Observatory)	3.01	3.11	5.14	2.95	3.64	1.13	1.06	4.24	3.34	.72	7.82	2.77	38.93
Leicestershire.....2	Caldecott (Eye Brook Reservoir)	2.11	3.63	3.26	2.42	2.83	1.00	.78	3.78	1.64	.86	4.48	1.94	28.73
".....4	Thornton Reservoir	2.44	2.87	3.37	2.31	3.29	1.18	1.07	5.07	1.36	.70	4.90	1.89	30.45
".....4	Loughborough (Nanpantan Res.)	2.87	3.46	3.58	1.95	3.97	1.18	.82	4.66	1.45	.78	5.24	2.21	32.17
Lincolnshire.....2	Spalding (Pode Hole)	2.40	3.09	3.35	2.23	3.17	.74	1.23	3.65	1.24	1.02	3.98	1.27	27.37
".....3	Boston (Black Sluice, Skirbeck)	3.28	3.08	3.19	2.36	2.95	.91	1.08	3.51	2.03	.87	3.45	1.21	27.92
".....3	Cranwell Airfield	2.64	3.14	3.18	2.09	3.41	1.08	.99	4.20	.95	1.53	4.63	1.42	29.26

Table No. Monthly Rainfall ENGLAND, WALES AND THE ISLANDS (continued)

County and Town		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Cheshire	2	2.41	1.22	2.92	2.64	2.32	1.23	1.64	2.66	2.22	2.22	2.65	1.22	22.22
"	2	2.49	2.40	3.39	2.66	3.40	1.99	1.62	3.52	1.92	1.92	2.65	1.32	22.22
"	2	2.38	5.11	2.97	2.57	2.69	1.20	1.52	3.13	3.03	1.79	4.29	2.02	22.22
"	2	2.38	5.91	3.19	2.62	2.37	1.54	1.76	3.90	3.39	1.81	4.14	2.08	22.22
"	2	1.40	4.14	2.13	2.06	1.96	1.13	2.41	2.27	4.29	1.24	2.51	1.35	22.22
"	4	2.11	4.83	2.09	2.87	2.06	1.13	2.33	2.66	2.94	1.71	2.92	1.29	22.22
"	4	2.18	4.65	2.14	2.59	2.05	1.94	1.70	2.51	2.29	1.61	3.42	1.61	26.70
"	5	1.86	4.51	2.88	2.53	2.46	1.07	2.12	2.41	2.89	1.82	3.52	1.79	28.86
"	6	1.83	3.73	2.59	2.26	2.09	1.18	2.02	3.61	2.93	1.78	3.31	1.77	28.10
"	2	1.76	3.39	3.01	2.71	2.00	1.13	2.43	3.40	2.45	1.52	3.46	1.85	28.11
"	4	2.04	2.85	2.59	3.81	1.90	1.99	3.08	2.28	1.87	1.56	3.38	1.50	27.85
"	5	2.26	3.32	3.86	4.12	2.27	1.41	1.40	3.41	3.42	1.89	3.90	1.66	31.92
"	1	3.20	3.10	3.59	3.32	1.74	1.10	2.40	2.96	2.02	1.76	3.28	1.24	28.71
"	1	2.99	2.96	3.04	3.05	1.63	1.25	1.83	3.22	2.07	1.66	3.49	1.40	27.59
"	2	2.91	3.16	3.39	3.63	1.68	1.32	2.19	3.48	2.25	1.69	3.29	1.47	29.46
"	3	2.85	2.37	3.95	3.33	2.71	1.71	1.48	3.59	2.63	1.06	3.09	1.40	30.17
"	3	2.86	2.18	3.33	3.25	2.28	1.64	1.72	3.53	2.10	1.04	3.11	1.38	28.42
"	3	2.64	2.14	3.16	3.15	2.85	1.99	1.04	3.58	2.72	1.02	3.26	1.22	27.77
"	4	2.68	3.05	3.42	3.40	1.68	1.92	1.81	2.97	2.39	1.71	3.34	1.39	26.76
"	4	4.87	7.52	5.02	4.42	3.46	1.52	1.52	6.11	3.72	1.36	7.94	3.06	53.96
"	4	2.87	5.81	3.57	4.48	2.40	1.03	1.03	5.02	3.30	1.16	7.94	2.72	39.65
"	5	3.07	6.32	4.17	2.72	3.04	1.06	1.06	4.30	3.83	1.95	8.96	3.06	41.77
"	5	3.59	5.09	4.10	3.51	3.03	1.37	1.37	4.30	3.83	1.63	7.42	2.81	40.69
"	5	4.41	7.27	5.09	2.89	3.20	1.55	1.19	6.03	4.54	1.63	8.85	3.75	49.40
"	5	4.40	6.04	4.38	2.36	2.81	1.95	2.79	5.81	4.29	1.82	10.33	3.68	48.66
"	5	3.87	6.15	4.85	2.96	2.90	1.49	1.35	5.82	4.37	1.26	11.27	3.83	49.12
"	5	4.76	4.16	4.79	1.87	2.75	1.14	1.19	5.01	5.05	1.22	6.03	3.74	41.71
"	2	7.41	7.15	5.72	2.63	2.67	1.89	1.85	7.30	5.74	1.25	8.92	6.71	58.24
"	4	9.98	9.50	9.49	4.77	3.93	3.45	4.32	13.62	9.62	2.29	14.80	9.68	95.45
"	4	9.98	9.50	9.49	4.77	3.93	3.45	4.32	13.62	9.62	2.29	14.80	9.68	95.45
"	5	3.26	5.87	4.57	1.78	2.62	1.82	1.82	3.61	4.31	1.71	5.53	2.95	37.85
"	5	3.07	3.81	4.06	2.41	2.85	1.40	2.63	3.22	3.78	1.46	5.53	2.36	36.58
"	6	3.62	5.05	4.40	2.27	2.66	1.17	1.26	5.00	4.00	1.32	6.72	3.30	40.77
"	6	3.32	4.37	3.96	1.95	3.05	1.96	1.72	3.86	3.77	1.92	5.61	2.44	35.93
"	7	4.80	4.71	4.84	4.14	2.93	1.98	1.20	8.34	2.85	1.49	4.80	4.98	46.06
"	2	7.29	7.70	5.75	4.78	5.16	1.92	(3.54)	5.81	4.53	1.53	9.35	6.12	63.48
"	3	5.63	4.90	4.83	3.13	2.82	1.01	2.00	4.30	2.89	1.51	4.96	4.38	42.36
"	3	4.50	4.77	4.87	3.16	2.97	1.33	1.88	3.95	3.31	1.58	5.48	3.97	39.41
"	1	5.96	5.63	5.56	2.80	4.22	1.12	1.62	5.91	4.41	2.66	7.60	5.12	52.61
"	1	5.96	5.63	5.56	2.80	4.22	1.12	1.62	5.91	4.41	2.66	7.60	5.12	52.61

Table 8C Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Cornwall.....1	Bude (School House)	4.92	3.70	4.68	2.45	3.62	.51	1.03	4.48	2.53	1.76	3.84	3.66	in. 37.18
".....2	Penzance (Morrab Gardens)	6.10	5.64	5.39	2.62	3.28	.59	1.07	4.88	4.24	2.39	7.33	4.97	48.50
".....2	Falmouth Observatory	5.03	4.53	6.21	2.83	3.10	.52	.84	4.87	4.44	1.91	6.68	5.09	46.05
".....2	St. Austell (Poltair Public Gardens)	5.32	5.36	5.65	3.99	3.40	.81	1.72	5.09	4.76	2.01	6.87	5.02	50.00
".....4	Scilly (Tresco Abbey)	5.31	4.40	4.91	1.65	2.48	1.11	.48	4.96	3.18	1.42	5.46	4.54	39.90
Somerset.....1	Liton (Sherborne Reservoir)	4.46	6.22	4.84	4.65	3.58	1.22	2.47	6.84	3.15	.93	9.83	3.29	51.48
".....1	Bath (Henrietta Park)	2.74	4.66	3.35	4.04	2.39	1.61	1.06	5.40	3.27	.72	7.73	2.56	39.53
".....2	Street (Millfield)	2.85	3.57	2.90	3.40	2.95	1.53	1.17	4.62	2.95	.79	6.80	2.49	36.02
".....2	Burnham (Dunstan House)	2.88	3.30	3.54	3.38	2.91	.71	1.90	4.41	3.23	.82	6.73	2.17	35.98
".....3	Taunton (Vivary Park)	2.99	4.23	3.10	2.76	2.80	.58	1.63	3.64	2.05	1.01	7.05	2.65	34.49
".....5	Brushford Nurseries	6.93	6.15	4.92	3.40	2.82	1.62	1.78	4.22	3.74	2.00	8.28	4.37	50.23
Gloucestershire.....3	Cheltenham (Montpellier Gardens)	2.46	3.43	3.90	2.93	2.88	.47	.87	4.68	2.03	.74	6.34	2.18	32.91
".....4	Blockley (The Manor House)	3.13	3.98	4.48	3.68	3.55	.86	1.01	5.67	3.88	1.21	7.22	2.52	41.19
".....7	Lechlade (Clayton House)	2.52	3.36	3.69	2.32	2.09	1.00	1.12	4.57	3.00	.79	5.12	2.00	31.58
".....7	Cirencester (Somerford Road)	4.12	4.03	3.91	3.02	2.92	1.30	1.94	5.31	3.27	1.02	6.75	2.63	40.22
Herefordshire.....1	Ross-on-Wye	2.62	4.25	3.69	2.17	3.19	.74	.71	3.32	3.38	.82	7.12	2.76	34.77
".....1	Vowchurch (Ladywell House)	2.85	4.29	4.56	2.36	4.14	.96	.53	3.09	3.05	1.16	8.05	3.03	38.07
".....1	Presteigne (Middlemoor)	3.45	3.43	4.73	2.36	3.54	.24	1.61	3.74	2.58	.94	9.01	2.85	38.48
Shropshire.....3	Bromfield (Oakly Park)	2.64	3.21	4.20	2.04	2.50	.50	2.38	3.21	2.63	.92	7.41	2.72	34.36
".....3	Church Stretton (Sewage Works)	2.54	3.92	5.20	2.41	3.32	.79	2.36	3.80	2.54	1.25	7.53	3.34	39.00
".....3	Shrewsbury (Monkmoor)	1.89	2.02	4.15	1.84	3.15	1.02	1.63	3.24	1.98	.81	4.94	2.47	29.14
".....4	Shifnal (Hatton Grange)	2.53	2.42	4.26	1.82	3.97	1.43	1.50	3.33	1.81	1.48	6.56	2.64	33.75
".....4	Oswestry (Mount Reservoir)	2.94	3.41	4.82	2.32	3.24	1.30	1.90	5.83	3.06	1.51	8.07	4.57	42.97
Staffordshire.....3	Lichfield (Hanch Reservoir)	2.19	2.36	4.31	1.80	3.75	1.70	.68	5.60	1.89	.82	5.48	2.10	32.68
".....3	Stafford (Victoria Pleasure Ground)	2.16	2.39	3.88	2.20	2.79	1.70	1.31	3.95	3.00	.96	5.71	2.40	32.45
".....4	Longton (The Meir)	2.48	3.00	4.33	2.58	3.01	2.35	1.98	5.33	2.45	.80	9.51	3.57	41.39
Worcestershire.....1	Malvern (Free Library)	2.43	3.29	4.62	2.88	3.55	.64	.98	3.78	2.89	1.04	6.98	2.66	35.74
".....2	Stourport (Lincombe Lock)	2.22	2.39	3.51	2.44	3.15	.95	1.36	3.89	2.34	.68	6.22	2.16	31.31
Warwickshire.....1	Alcester (Arrowside)	2.81	2.29	3.97	2.55	3.02	1.07	1.43	4.36	1.81	.92	6.85	1.67	32.75
".....1	Leamington Spa (Pump Room Gdns.)	2.42	2.64	3.60	2.21	2.97	2.05	.76	4.96	1.60	.83	5.02	1.74	30.80
".....1	Coveentry (City Hospital)	2.38	2.90	3.63	2.06	3.23	1.33	1.53	5.54	1.44	1.01	5.87	1.58	32.50
".....4	Birmingham (Edgbaston Observatory)	3.01	3.11	5.14	2.95	3.64	1.13	1.06	4.24	3.34	.72	7.82	2.77	38.93
Leicestershire.....2	Caldecott (Eye Brook Reservoir) ..	2.11	3.63	3.26	2.42	2.83	1.00	.78	3.78	1.64	.86	4.48	1.94	28.73
".....4	Thornton Reservoir	2.44	2.87	3.37	2.31	3.29	1.18	1.07	5.07	1.36	.70	4.90	1.89	30.45
".....4	Loughborough (Nanpantan Res.) ..	2.87	3.46	3.58	1.95	3.97	1.18	.82	4.66	1.45	.78	5.24	2.21	32.17
Lincolnshire.....2	Spalding (Pode Hole)	2.40	3.09	3.35	2.23	3.17	.74	1.23	3.65	1.24	1.02	3.98	1.27	27.37
".....3	Boston (Black Sluice, Skirbeck) ..	3.28	3.08	3.19	2.36	2.95	.91	1.08	3.51	2.03	.87	3.45	1.21	27.92
".....3	Cranwell Airfield	2.64	3.14	3.18	2.09	3.41	1.08	.99	4.20	.95	1.53	4.63	1.42	29.26

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

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Lincolnshire	Horncastle	2.55	3.08	3.37	2.02	(3.70)	.91	.99	4.61	1.14	1.64	4.10	1.51	29.62
"	Lincoln (Skellingthorpe Hall)	2.18	2.93	3.10	1.30	3.21	1.00	.98	5.15	1.02	1.43	4.66	1.26	28.22
"	Skegness (Marine Gardens)	2.83	3.30	3.03	2.66	3.05	1.08	.71	4.06	1.88	(1.20)	(3.50)	.88	28.18
"	Brigg (Wrawby Road)	2.00	2.53	2.67	.90	3.59	.93	.95	4.46	.99	1.16	3.49	1.74	25.41
"	Cleethorpes (King's Parade)	2.14	2.69	2.44	1.44	3.51	1.51	1.38	4.24	1.05	1.44	3.18	2.00	27.02
Nottinghamshire	Nottingham (The Castle)	2.05	2.62	3.13	1.56	2.67	1.41	.80	6.05	1.19	.72	4.70	1.60	28.50
"	Mansfield (Carr Bank)	1.85	3.67	4.28	1.34	3.20	.77	.72	4.82	1.72	.76	7.02	2.29	32.44
"	Gringley Carr (Pumping Station)	1.69	2.65	2.52	.66	3.30	.69	.53	4.69	1.32	1.45	5.23	1.25	25.98
Derbyshire	Buxton (Terrace Slopes)	5.22	5.82	7.85	3.69	2.60	2.49	2.83	5.32	3.42	1.20	11.36	7.77	59.57
"	Derby (Markeaton Park)	2.25	2.77	4.21	1.78	2.88	1.77	1.35	4.86	1.72	.73	6.48	2.38	33.18
Cheshire	Northwich (Hunts Lock)	2.24	2.22	4.55	2.58	2.71	1.21	2.24	3.54	2.40	1.03	6.82	4.29	35.83
"	Birkenhead (Bidston Observatory)	1.80	2.20	4.28	1.00	2.85	.61	1.16	5.04	2.29	.75	6.34	3.47	31.79
Lancashire, South	Manchester (Whitworth Park)	3.24	2.12	4.57	2.17	1.74	1.47	3.25	4.42	2.99	1.27	6.46	5.50	39.20
"	Bolton (Queens Park)	4.68	2.60	5.85	2.40	2.69	1.46	4.31	5.20	3.32	1.18	9.40	8.66	51.75
"	Rochdale (Lord Street)	5.05	3.15	5.31	2.61	1.95	.83	3.52	5.75	3.09	1.40	8.86	8.24	49.76
Lancashire, Central	Squires Gate (Blackpool Airport)	3.93	2.54	4.36	1.45	2.83	.59	1.59	4.06	3.05	1.65	7.95	6.57	40.57
"	Stonyhurst College	5.09	3.82	4.51	2.62	1.63	1.37	3.93	5.27	3.19	1.27	9.42	12.57	54.68
"	Southport (Bedford Road Park)	3.78	2.63	4.65	1.46	3.05	.93	1.79	4.83	3.19	1.43	7.40	6.70	41.84
Lancashire, North	Morecambe	4.13	2.99	3.86	1.64	1.47	1.28	2.24	3.75	3.42	1.10	7.14	8.56	41.58
"	Garstang (Grizedale Reservoir)	4.92	3.74	4.86	2.47	1.95	1.20	3.42	4.54	4.05	1.88	7.87	9.73	50.63
"	Sedburgh (Brigflatts)	6.44	5.81	5.50	3.76	1.16	1.56	4.93	5.61	6.16	1.38	9.05	13.72	65.08
Yorkshire, W.R.	Sheffield W.W. (Redmires Res.)	3.63	4.44	5.72	1.93	4.61	1.30	1.68	5.03	2.13	1.50	10.16	4.79	46.92
"	Goole	1.58	2.32	2.57	.78	3.73	1.26	1.62	5.58	1.35	1.49	5.04	2.11	29.43
"	Huddersfield (Oakes)	3.68	3.76	4.97	2.67	4.52	1.09	2.55	5.38	1.89	1.12	8.55	6.65	46.83
"	Wakefield (Clarence Park)	1.81	2.77	2.92	.89	4.34	.71	2.96	4.27	2.39	.80	6.17	1.97	32.00
"	Bradford (Lister Park)	3.31	3.36	3.60	1.68	4.59	.94	2.75	5.04	2.18	1.38	7.44	5.15	41.42
"	Ilkley (Spence's Garden)	3.62	3.91	3.92	1.55	3.77	1.19	1.88	4.43	2.34	1.04	8.33	5.87	41.85
"	Oughtershaw	6.38	6.04	6.97	4.59	3.92	1.93	2.91	5.39	5.55	2.92	12.99	16.21	75.80
"	Harrogate (Harlow Moor Obsy.)	2.49	2.84	3.53	1.19	5.88	1.09	2.16	5.61	2.28	.87	7.24	3.09	38.27
"	Ramskill (Raygill House)	5.61	4.03	4.91	2.53	6.39	1.20	1.93	5.53	3.48	1.83	11.79	8.98	58.21
Yorkshire, E.R.	Birdsall Gardens	2.25	3.48	3.61	1.36	3.67	2.01	1.89	6.60	2.20	1.40	5.98	2.50	36.95
"	Hull (Pearson Park)	1.72	2.42	2.85	1.07	4.50	1.32	1.54	5.31	1.07	.95	3.23	1.76	27.74
"	Lowthorpe (The Elms)	2.20	2.23	2.84	1.74	4.22	1.59	1.62	6.60	1.47	1.47	4.33	1.60	31.91
Yorkshire, N.R.	Leyburn (Bolton Hall)	3.35	3.92	3.80	2.18	7.02	1.00	1.16	3.87	1.00	2.75	9.66	6.46	46.17
"	Felixkirk (Mount St. John)	1.83	2.47	2.80	1.31	4.93	1.28	3.06	5.56	2.66	1.59	5.93	2.48	35.90
"	York (Museum)	1.91	2.16	2.69	.87	3.71	1.08	2.23	5.74	1.77	1.70	5.26	1.98	31.10
"	Scarborough	1.97	2.27	3.34	1.46	4.31	1.00	2.52	6.23	.97	.86	4.10	2.01	31.04
"	Kildale Hall	2.54	4.45	3.92	2.29	6.79	2.41	2.92	6.86	1.48	2.84	6.68	3.56	46.74

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

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Yorkshire, N.R.6	Middlesbrough (Albert Park)	in. 1·69	in. 1·85	in. 3·13	in. 1·60	in. 4·29	in. 1·58	in. 1·89	in. 5·73	in. ·84	in. 1·34	in. 3·56	in. 3·26	in. 30·76
" "6	Baldersdale (Hury Reservoir)	3·12	3·32	3·59	2·91	2·83	·86	1·05	3·22	1·84	·89	8·66	7·98	40·27
Durham1	Darlington (South Park)	1·87	2·60	2·95	1·23	2·65	·62	2·05	5·88	·93	1·13	5·60	2·67	30·18
" "1	Barnard Castle (Bowes Museum)	2·68	3·65	3·86	2·13	3·55	·96	·99	3·64	1·39	1·18	8·19	5·02	37·24
" "2	Durham (Houghall Hort. Station)	1·25	2·94	3·60	1·27	4·32	1·03	1·66	4·24	1·07	1·79	5·70	2·49	31·36
" "2	Weardale W. W. (Waskerley)	2·09	3·09	4·84	2·54	4·74	1·41	2·12	5·19	2·08	·94	8·85	4·42	42·31
Northumberland3	Newcastle (Leazes Park)	1·03	2·11	3·58	1·45	3·59	2·21	1·55	4·87	·98	·77	5·26	1·51	28·91
" "4	Bellingham (High Green)	3·11	2·86	3·08	2·72	2·38	1·27	1·71	3·49	2·13	1·03	7·07	3·76	34·61
" "5	Morpeth (Cockle Park)	2·15	2·36	4·26	1·96	4·05	1·81	1·41	3·83	·83	·74	6·88	1·38	31·66
" "5	Howick Hall Gardens	2·80	2·73	3·54	3·18	3·25	1·74	2·17	3·61	·93	·76	6·56	1·27	32·54
" "6	Ilderton (Lilburn Tower Gardens)	2·46	2·84	3·74	2·35	3·67	1·15	2·62	3·52	·83	·76	7·11	1·74	32·79
" "6	Mindrum	2·80	2·48	3·42	2·78	3·07	1·65	3·02	3·34	1·01	·73	6·44	1·77	32·51
Cumberland1	Silloth Airfield	3·49	2·97	2·74	2·28	1·63	·77	2·91	3·04	4·39	·77	5·46	4·95	35·40
" "1	Geltsdale	3·78	2·45	4·33	2·09	2·08	1·79	4·15	3·47	4·08	1·40	7·30	5·61	42·53
" "2	Borrowdale (Stockley Bridge)	14·00	14·00	13·00	9·25	2·75	4·50	14·00	14·75	20·75	2·25	26·25	25·00	160·50
" "2	Keswick (High Hill)	4·67	5·56	4·46	4·86	3·08	2·26	3·07	5·44	8·77	1·14	13·11	12·27	68·69
" "3	Ravenglass (The Grove)	4·16	4·65	4·35	1·16	1·73	1·05	3·14	6·16	5·61	·91	14·18	6·82	53·92
" "3	Ennerdale (Gillertwaite)	8·70	6·50	7·60	6·50	3·10	4·20	6·00	11·20	10·30	2·60	12·20	15·10	94·00
Westmorland1	Patterdale Hall	9·28	10·78	7·32	7·20	3·14	2·10	3·94	8·19	12·94	1·35	27·03	19·31	112·58
" "3	Kendal (Gas Works)	6·35	4·90	4·64	2·67	·96	·79	3·31	4·43	5·30	·93	7·82	10·85	52·95
Monmouthshire3	Newport W. W. (Nantyridd)	5·50	4·64	4·25	3·06	3·67	1·37	1·12	6·72	5·94	1·17	8·12	4·98	50·54
" "3	Abergavenny (Larchfield)	4·34	6·53	4·55	2·51	3·40	·35	·95	3·82	4·58	·99	9·87	4·89	46·78
Glamorgan3	Swansea (Victoria Park)	6·95	4·23	6·44	3·82	2·79	1·01	·79	6·07	4·37	1·22	8·86	4·50	51·05
" "3	Ystalyfera (Wern House)	8·74	6·41	6·45	5·13	3·11	2·28	1·37	11·94	7·56	1·71	12·39	7·18	74·27
" "6	Treherbert (Tyn-y-waun)	12·89	9·96	9·53	8·24	4·29	3·50	2·75	12·57	9·15	2·11	17·60	11·43	104·02
" "7	Cardiff (Penylan)	5·33	4·49	4·11	3·52	2·51	·67	·99	4·49	5·37	1·91	8·02	3·51	45·02
Carmarthenshire2	Llandeusan (Ponterynfe)	6·73	6·72	6·33	4·62	3·46	1·33	1·28	8·21	6·23	1·29	12·01	7·66	65·87
" "2	Abergorllech	7·22	5·08	6·29	4·54	3·55	2·43	2·16	10·17	7·80	1·59	10·39	7·70	68·92
Pembrokeshire4	Tenby (The Priory)	6·00	3·99	4·79	2·74	2·29	·99	1·06	5·90	3·89	1·67	6·79	4·25	44·36
" "4	Haverfordwest (Hospital Grounds)	4·84	3·85	5·50	2·91	2·57	1·24	1·91	5·82	5·48	1·23	8·45	5·77	49·57
Cardiganshire2	Aberystwyth (P.B.S.)	3·97	3·10	5·38	2·65	1·86	1·25	2·86	6·49	3·80	1·32	6·40	5·60	44·68
" "2	Plynlimon (Llygad Rheidol)	9·70	8·50	11·70	6·70	3·30	3·25	7·40	11·80	8·70	3·80	12·70	14·80	102·35
" "3	Cardigan (Plas Llangedmore)	3·69	3·98	4·32	3·08	2·81	·96	2·93	5·34	4·21	1·79	7·12	5·20	45·43
Brecknockshire7	Swansea W. W. (Cray Reservoir)	9·60	8·17	7·25	5·18	3·86	2·47	1·91	9·19	6·66	2·13	13·52	9·22	79·16
Radnorshire1	Birmingham W. W. (Tymynydd)	7·03	7·54	6·92	5·91	3·71	1·23	2·08	5·63	5·17	1·53	12·72	8·71	68·18
Montgomeryshire3	Corris (Esgairgellog Camp)	9·09	6·92	7·61	7·69	2·20	2·72	2·79	7·98	6·30	2·19	10·88	15·96	82·33
" "4	Newtown (Penarth Weir)	4·58	5·49	5·05	3·58	3·41	·65	1·80	3·13	2·53	1·55	8·88	4·93	45·58
" "5	Welshpool (County School)	3·69	4·18	4·50	2·23	3·93	·92	1·43	3·83	2·06	1·38	6·23	4·24	38·62

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

County and River Division	Station	Jan.	Feb.	Mar.	Apl.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Montgomeryshire .5	Lake Vyrnwy (Experimental Station)	6.86	7.80	6.81	5.58	3.60	1.96	2.71	7.23	6.14	1.89	10.63	11.96	73.17
Flintshire1	Hawarden Airfield	1.66	2.47	4.64	1.44	3.37	1.10	1.40	3.77	2.27	.96	5.75	3.61	32.44
"2	Bodfari (Nantlys)	2.26	2.75	4.88	1.39	3.47	1.19	1.32	3.56	2.09	1.80	4.79	3.01	32.51
Denbighshire1	Wrexham W.W. (Pack Saddle Res.)	2.54	3.50	5.90	2.02	3.38	1.05	1.99	2.91	2.67	1.26	6.86	5.16	39.24
Merionethshire1	Bala (Boys' Grammar School)	4.79	6.13	7.32	3.56	2.66	.79	1.79	4.16	4.51	1.92	10.68	10.37	58.68
"3	Blaenau Ffestiniog (Oakeley Quarry)	12.06	8.93	12.43	7.78	1.88	3.87	5.24	11.00	14.74	2.23	13.73	18.34	112.23
"4	Dolgelley (Borthnwg)	4.65	6.73	8.41	3.61	2.23	1.13	2.60	6.89	6.17	1.87	10.03	10.84	65.16
"5	Aberdovey (Plás Penhelig)	3.99	3.42	6.57	2.90	2.23	1.13	2.23	6.55	5.02	1.20	6.48	7.12	48.84
Caernarvonshire2	Llandudno (Cricknet Ground)	2.70	3.35	5.27	1.43	3.09	1.14	.85	3.40	2.66	.92	6.10	5.42	36.33
"4	Pwllheli (West End)	4.22	3.31	4.89	1.49	2.26	.53	.66	4.66	5.20	1.29	6.60	6.86	41.97
"5	Snowdon (Cwm Dylfi)	13.23	11.61	15.06	10.33	3.09	4.08	6.19	17.15	17.62	3.03	17.25	25.77	144.41
Anglesey	Holyhead (Valley Airfield)	3.16	3.19	4.34	1.52	2.58	.69	1.07	5.62	4.22	1.04	6.12	5.64	39.19
"	Llanerchymedd (Llwydiarth Esgob)	3.88	4.41	4.88	1.91	3.03	.87	1.47	4.83	5.83	.70	7.27	7.49	46.57
Isle of Man	Douglas (Borough Cemetery)	5.30	3.08	4.23	1.50	3.90	.89	2.06	5.05	5.27	.88	7.65	6.77	46.58
"	Point of Ayre	4.43	3.59	2.86	1.21	3.34	.70	1.87	4.21	3.89	.55	6.13	5.77	38.55
SCOTLAND														
Wigtownshire1	Castle Kennedy (Lochinch)	5.31	3.19	3.72	1.73	2.83	1.92	2.42	5.32	3.12	.64	9.05	6.26	45.51
"3	Port William (Monreith)	4.59	2.65	3.36	1.23	1.99	1.91	2.34	4.35	3.95	.63	(7.40)	(6.80)	41.20
"4	Newton Stewart (Little Barraer)	5.27	3.61	3.79	1.72	2.23	2.30	2.44	7.98	5.00	.57	9.20	7.23	51.34
Kirkcudbright3	Mossdale (Hensol)	5.20	3.92	3.61	3.47	2.64	2.16	2.01	8.81	5.84	.62	10.88	10.11	59.27
"5	Lochrutton (Dumfries Waterworks)	6.57	3.70	3.42	2.60	2.55	1.26	2.83	7.09	5.40	.41	9.81	8.41	54.05
Dumfriesshire3	Dumfries (Crichton Royal Inst.)	5.62	3.29	2.90	2.34	2.43	1.35	2.54	5.66	4.13	.25	8.87	7.37	46.75
"5	Canonbie (Irvine House)	5.39	3.44	4.22	2.47	1.80	1.66	3.85	5.31	6.92	1.22	7.72	7.00	51.00
"5	Eskdalemuir Observatory	7.87	4.61	5.30	5.40	2.19	2.44	4.68	7.15	6.90	.46	10.31	9.43	66.74
"7	Kelso (Floors)	3.09	2.02	2.87	2.50	2.87	1.55	2.45	2.61	1.39	.32	5.46	1.64	28.77
Roxburghshire2	Ettrick Manse	7.50	5.23	5.03	5.16	2.29	2.19	3.38	7.71	6.00	.34	11.84	9.38	66.05
Selkirkshire2	Edinburgh W.W. (Victoria Lodge)	4.62	4.34	3.69	4.17	2.66	1.88	3.58	6.55	4.27	.66	10.83	8.31	55.56
Peeblesshire1	Stobo Castle	4.01	3.53	2.50	3.76	2.88	1.49	3.18	4.69	2.44	.58	7.87	5.02	41.95
"2	Marchmont House	3.73	2.08	3.13	2.77	2.99	1.01	2.57	3.70	1.49	.46	5.47	1.22	30.62
Berwickshire4	North Berwick Reservoir	2.82	1.93	2.58	2.37	2.90	1.70	3.28	3.87	.73	.24	4.26	1.33	28.01
East Lothian5	Moorfoot Hills (Rosebery)	3.45	2.79	3.33	3.54	3.22	2.03	2.94	4.77	1.34	.65	7.28	2.77	38.11
Midlothian4	Pentland Hills (Morton)	4.39	3.40	4.27	3.55	3.26	1.77	3.07	5.61	2.08	.97	6.19	4.54	43.10
"5	Edinburgh (Blackford Hill)	2.59	1.93	2.58	2.58	3.04	1.41	3.50	5.27	.88	.52	4.23	2.45	30.98
"5	Gartcosh (Gartloch Hospital)	4.99	2.46	2.95	2.18	1.64	1.96	5.05	4.61	2.74	1.08	5.86	5.12	40.64
Lanarkshire4	Strathaven (Glengavel Reservoir)	5.66	3.08	4.60	4.18	2.15	2.57	5.39	6.67	5.18	1.62	7.91	9.81	58.82

Table 8C Monthly Rainfall—SCOTLAND (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Lanarkshire	Hamilton W.W. (Townhill)	3.72	2.35	2.25	2.82	1.46	2.32	2.46	5.03	2.99	.86	5.15	5.75	37.16
Ayrshire	Kilmarnock (Springhill House)	4.34	2.80	2.61	2.47	1.68	1.93	2.82	3.81	2.93	1.01	5.32	7.76	39.48
"	Maybole (Otterden)	3.87	3.77	3.23	2.43	1.63	1.84	3.56	4.56	2.54	1.80	6.30	7.35	42.88
"	Colmonell (Knockdolian)	4.49	3.40	3.28	2.11	2.01	1.51	1.98	5.55	3.06	1.04	7.81	7.46	43.70
"	Glen Afton (Ayr Sanatorium)	6.02	4.50	4.46	4.26	3.12	1.51	2.88	8.42	6.16	1.00	12.08	10.60	65.01
Renfrewshire	Glasgow (Queen's Park)	4.22	2.69	2.67	2.47	1.90	2.24	2.90	4.47	3.07	.85	5.88	5.61	38.97
"	Greenock (Prospect Hill)	6.21	3.99	4.08	3.85	2.23	2.15	3.44	4.88	5.31	1.81	8.07	11.29	57.31
Stirlingshire	Falkirk (Arncliffe)	5.17	2.79	2.78	2.46	2.11	2.04	5.02	4.88	2.36	.83	5.15	5.41	41.00
Buteshire	Rothsay (Ardencraig)	5.93	2.76	3.72	3.07	2.43	2.65	3.69	4.69	4.51	2.28	7.96	9.08	52.77
"	Dougarie Lodge	6.35	4.34	6.67	3.15	1.43	2.28	2.99	4.47	3.66	1.58	8.68	8.88	54.48
Argyllshire	Morvern (Drimmin)	9.39	5.15	4.47	4.65	1.00	1.95	6.22	6.01	6.27	3.28	8.32	10.93	67.64
"	Morvern (Kingairloch)	14.91	7.81	5.85	7.72	1.09	3.91	6.58	9.22	10.31	4.32	10.37	20.13	102.22
"	Glenleven (Kinlochleven)	9.64	6.72	5.23	7.92	1.08	4.19	6.79	8.15	7.46	4.19	10.20	16.29	87.86
"	Oban	6.61	4.43	3.42	4.59	.85	2.76	5.01	3.93	4.69	4.12	6.52	11.30	58.23
"	Lochgilthead (Poltalloch)	6.72	3.56	4.10	2.94	.59	2.74	5.23	4.21	4.23	3.42	7.83	10.92	56.49
"	West Loch Tarbert (Dunmore)	5.10	3.06	4.60	2.20	2.51	1.87	3.50	3.03	3.38	2.22	10.34	8.16	49.76
"	Monybacach (Skipness)	6.03	3.66	3.75	3.76	1.54	2.73	3.94	3.47	2.88	2.65	10.34	9.55	54.30
"	Ardishaig (Canal Office)	7.23	4.31	4.35	4.34	1.44	2.95	5.12	5.37	4.88	2.82	9.58	13.77	66.16
"	Inveraray Castle Gardens	8.44	5.56	5.42	7.82	1.27	2.79	5.74	6.75	7.05	3.52	11.73	14.92	81.01
"	Loch Eck (Ben More)	10.12	5.66	5.95	5.62	2.64	2.48	6.21	6.63	6.74	3.24	12.98	16.88	85.15
"	Islay (Eallabus)	5.53	3.78	4.07	3.11	1.09	1.90	2.83	3.91	3.89	2.27	9.01	8.26	49.65
"	Colonsay	6.11	3.84	3.82	3.08	.94	2.30	4.44	3.75	5.60	2.77	7.23	8.07	51.95
"	Seil (An Cala)	7.93	4.26	4.85	3.86	.88	2.33	6.29	5.70	5.20	3.85	8.03	11.08	64.26
"	Mull (Gruline)	14.14	6.00	5.33	4.65	1.20	2.51	6.88	8.31	8.62	3.75	11.14	14.64	87.17
"	Tiree Airport	8.65	4.02	3.01	2.78	.70	1.71	3.28	4.11	3.78	3.87	6.96	7.28	50.15
Kinross-shire	Loch Leven Sluice	4.80	3.14	3.52	2.43	2.65	2.63	5.83	3.96	2.26	.59	5.38	4.27	41.46
Fife-shire	Leuchars Airfield	3.12	2.61	2.27	1.93	1.91	1.51	4.32	2.94	1.40	.19	6.01	2.07	30.28
Perthshire	Loch Dhu	8.87	5.13	4.88	6.00	2.50	4.14	4.22	8.94	6.89	2.29	12.42	12.79	79.07
"	Glengyle	9.51	6.63	5.48	8.15	2.07	4.08	5.36	8.88	7.30	3.39	13.47	14.81	89.13
"	Glendevon (Frandy)	5.66	4.05	3.53	5.54	2.23	3.51	6.65	8.31	6.00	1.34	9.28	10.61	66.71
"	Lochearnhead (Ardloch)	6.37	5.44	3.50	4.76	1.96	2.69	2.97	6.59	5.34	2.04	13.52	8.95	64.13
"	Grieff (Strathearn Hydro)	4.71	3.66	1.92	3.53	2.27	2.38	2.92	5.60	3.05	.86	7.76	4.85	43.51
"	Aberfeldy (Tigh 'n Eilean)	3.24	4.01	1.70	2.50	1.71	2.01	1.83	5.62	2.28	1.06	11.01	5.03	42.00
"	Loch Rannoch (Station)	7.27	4.90	3.07	7.00	1.05	2.50	3.71	4.92	4.19	2.97	9.08	11.20	61.86
"	Fincastle House	2.75	2.97	1.91	2.54	1.88	1.79	2.30	6.24	2.77	1.35	8.13	4.80	39.43
"	Kirkmichael (Ballintum House)	3.82	4.04	2.06	2.16	1.64	2.10	2.25	5.69	3.09	1.23	11.23	4.16	43.47
"	Dundee (Clatto Reservoir)	3.41	2.44	2.14	1.54	1.97	2.16	4.20	3.76	2.15	.59	6.93	2.27	33.56
Angus	Arbroath (Springfield Park)	3.67	1.69	1.98	2.46	1.11	1.65	3.06	3.50	1.13	.57	5.60	1.37	27.79

Table 8c Monthly Rainfall—SCOTLAND (continued)

County and River Division	Station	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Angus	Forfar W.W. (Den of Ogil)	5.03	4.29	2.17	2.33	1.84	2.50	3.81	5.45	2.25	.91	11.58	3.29	in. 45.45
"	Montrose (Sunnyside Asylum)	3.76	2.52	2.54	2.15	1.42	1.88	3.32	3.81	1.46	.73	7.15	1.77	32.51
Kincardineshire	Strathcan (Bridge of Dye)	4.13	5.65	3.19	3.72	1.80	1.80	4.78	5.03	1.91	.07	12.64	3.39	49.11
Aberdeenshire	Braemar (Bank)	3.31	4.82	2.37	3.90	1.72	1.22	2.24	4.33	1.82	1.10	8.02	3.84	38.69
"	Lumphanan	3.42	4.47	2.53	3.54	1.20	1.13	3.74	3.23	.77	1.31	8.85	2.05	36.24
"	Dyce (Craibstone)	4.01	3.91	2.89	2.66	1.43	2.11	5.75	3.96	1.25	.91	8.72	2.27	39.87
"	Haddo House	3.53	3.67	2.62	3.22	1.90	1.54	4.27	3.98	1.26	1.09	7.78	2.03	36.89
"	Fyvie Castle	3.35	3.74	3.07	4.17	1.19	2.89	4.66	3.93	.68	1.53	7.62	2.53	39.36
"	Peterhead (Forehill Works)	2.90	3.24	2.68	3.03	.61	1.58	3.91	4.24	1.04	.73	5.44	2.19	31.59
Banffshire	Turriff (Forglen Gardens)	3.04	3.98	2.99	3.23	1.03	2.97	4.18	3.99	1.01	1.30	7.28	2.44	37.44
"	Glenlivet (Clashnoir)	2.50	4.95	2.55	4.44	1.56	3.75	3.92	4.90	1.03	1.38	10.15	1.73	42.61
"	Ballindalloch	3.47	3.56	2.65	5.10	1.15	3.22	3.92	3.99	.74	1.33	5.45	2.41	36.99
Morayshire	Fochabers (Gordon Castle)	2.77	3.49	3.02	2.87	.98	2.85	3.45	3.50	.66	1.34	5.67	2.31	32.91
Nairnshire	Nairn (Achareidh)	2.26	1.92	1.44	3.40	.59	1.67	2.94	4.07	.63	1.34	3.58	2.98	26.82
Inverness-shire	Dalwhinnie	3.70	2.94	1.71	4.92	1.25	1.25	2.78	4.64	3.04	1.13	8.28	6.26	41.90
"	Glenshero	5.22	3.12	2.29	5.59	.84	1.87	2.96	4.78	2.80	1.55	5.67	8.34	45.03
"	Fort Augustus (Auchterawe)	5.69	3.78	2.53	6.21	.82	2.53	3.08	4.65	2.50	1.92	5.20	8.77	47.74
"	Loch Ness (Garthbeg)	4.73	2.75	2.13	6.33	.93	2.50	3.38	6.83	1.76	1.59	3.93	7.36	44.22
"	Inverness (Culduthel Reservoir)	2.47	1.84	1.41	4.01	.65	2.01	3.49	4.62	.83	1.08	3.99	3.66	30.06
"	Loch Quoich (Glenquoich)	12.46	6.59	5.94	8.06	.73	4.18	7.66	10.36	7.16	4.60	12.54	19.67	99.95
"	Loch Nevis (Inverie Gardens)	9.87	4.79	4.91	6.32	.79	2.44	7.74	5.34	6.51	3.77	8.39	14.11	74.98
"	Arisaig House	8.18	3.61	4.03	3.92	.86	2.62	8.00	4.22	5.34	5.34	7.75	10.50	64.37
"	Onich	9.18	5.39	5.27	6.22	.85	3.34	7.85	6.52	7.63	4.12	9.61	14.45	80.43
"	Fort William (Teviot)	9.73	5.02	3.74	6.88	.50	2.96	5.52	7.52	8.56	3.63	10.12	15.26	79.44
"	Isle of Eigg	8.96	3.87	3.29	3.75	.50	2.25	7.12	5.21	5.54	5.29	7.01	10.30	63.09
"	Skye (Grula)	16.34	4.61	4.74	5.37	.56	3.10	8.13	7.93	6.18	7.07	9.07	13.06	86.16
"	Skye (Broadford)	9.72	4.46	4.34	6.04	.71	3.12	7.41	6.20	7.83	5.39	8.20	13.03	76.45
"	Skye (Duntulm, Kilmuir)	7.65	3.64	3.05	4.56	.42	2.18	6.13	3.56	3.96	6.68	5.32	9.18	56.33
"	Harris (Kyles Lodge)	8.03	3.58	3.98	3.90	.64	2.86	7.11	5.99	5.05	7.84	8.34	10.66	67.98
"	Benbecula Airport	7.76	4.44	3.32	3.74	.43	2.84	3.07	3.74	3.70	4.65	6.34	8.27	52.30
"	North Harris (Amhuinsuidh Castle)	8.06	4.46	3.65	4.41	.87	3.61	6.81	5.43	4.14	(6.50)	(5.50)	8.21	(61.65)
Ross and Cromarty	Muir of Ord (Fairburn)	3.57	3.09	2.83	4.15	1.32	2.00	4.63	3.98	1.65	1.31	5.05	6.57	40.15
"	Tain (Tarlogie House)	3.13	1.64	2.05	4.30	1.08	1.32	2.74	4.57	.93	1.13	4.67	3.52	31.08
"	Inverbroom (Glackour)	5.89	5.69	4.03	7.20	1.97	1.60	3.06	5.21	2.64	3.27	8.67	10.71	59.94
"	Gairloch (Shieldaig Lodge)	7.25	3.87	3.10	6.47	1.32	2.02	4.97	5.49	4.03	4.97	5.21	8.79	57.49
"	Loch Duich (Inverinate)	9.57	5.01	3.67	7.69	1.70	2.64	6.27	5.13	6.33	3.33	7.36	(14.00)	72.70
"	Applecross Gardens	8.45	4.60	3.00	5.36	1.97	3.41	5.43	6.40	5.40	5.03	6.42	10.29	65.76

Table 8C Monthly Rainfall—SCOTLAND (concluded)

County and River Division	Station	Jan.	Feb.	Mar.	Apl.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Ross and Cromarty	Achnashellach	9.25	5.55	4.88	7.96	.83	3.12	7.31	7.02	6.43	4.70	7.44	14.64	79.13
"	Stornoway Airport	4.94	3.09	2.44	4.28	.96	2.34	3.40	3.07	2.27	3.39	5.83	6.19	42.20
Sutherland	Strath Oykeil (Rosehall)	3.53	2.94	2.59	4.17	.87	1.51	3.64	4.24	1.21	1.24	6.38	4.83	37.15
"	Loch Shin (Corrykinloch)	7.64	6.57	5.78	10.67	1.73	2.95	4.96	3.24	4.35	4.67	11.20	13.97	77.73
"	Kinbrace (Borrobol Lodge)	2.78	3.80	2.78	4.13	.84	2.05	2.28	2.84	.47	(2.00)	4.94	6.58	35.49
"	Tongue	3.87	3.27	3.71	4.45	.63	2.56	2.64	3.89	1.57	2.00	6.56	6.41	41.56
"	Cape Wrath	4.59	2.58	2.73	3.96	.56	1.79	5.30	3.23	1.67	4.96	5.57	6.65	43.59
"	Loch More (Achfary)	7.69	5.83	6.08	10.16	2.61	4.90	7.09	5.60	(3.70)	(5.50)	(11.00)	(10.50)	80.66
"	Lochinver (Bank House)	4.50	3.04	3.16	5.13	.99	2.41	3.37	3.28	2.04	4.30	5.21	7.35	44.78
Caithness	Wick Airport	2.62	3.47	3.65	2.45	.46	.83	3.71	2.97	1.44	1.91	5.11	2.44	31.06
"	Thurso (Holburn Head)	2.47	4.72	3.86	2.39	.52	1.62	4.22	2.83	.88	2.00	4.31	3.09	32.91
Orkney	Stenness	3.51	3.65	3.27	3.78	.18	1.50	2.96	3.07	1.61	2.62	7.33	5.38	38.86
"	North Ronaldshay	3.55	4.05	3.31	3.09	.10	1.33	2.03	4.19	1.43	2.03	6.19	5.03	36.33
Shetland	Lerwick Observatory	5.19	5.66	2.46	4.40	.30	1.40	3.96	5.33	2.58	2.48	5.99	6.95	46.70

NORTHERN IRELAND

Fermanagh	Newtownbutler (Crom Castle)	3.93	3.46	3.19	2.20	1.73	3.20	3.63	4.89	2.94	1.14	3.85	4.38	38.54
"	Belleek (Roscor)	4.73	3.98	4.20	2.92	1.73	2.83	4.96	4.97	3.36	2.58	7.18	6.50	49.94
Armagh	Markethill (Whitecross)	4.61	4.48	4.14	2.56	1.71	2.61	5.09	5.54	2.77	1.00	6.97	5.32	46.80
"	Armagh Observatory	2.65	3.02	2.78	1.72	1.49	2.11	3.34	4.47	1.89	.85	5.50	4.30	34.12
Down	Newry (Bridge Street House)	3.73	3.87	2.41	2.14	1.76	2.26	3.20	5.73	3.39	.80	7.17	5.78	42.24
"	Silent Valley (Belfast Waterworks)	5.52	3.36	3.98	2.67	4.10	2.52	3.61	6.87	5.56	.82	9.02	6.57	54.60
"	Seaford	4.50	4.23	3.03	1.73	3.64	1.85	3.21	4.15	3.21	.51	6.85	3.58	40.49
"	Donaghadee (Orlock Reservoir)	4.71	2.32	3.00	1.42	2.83	1.11	2.61	3.91	2.06	.17	5.02	3.79	32.95
Antrim	Belfast (Queen's University)	3.07	3.27	2.47	1.44	2.91	1.56	3.17	3.67	2.35	.59	7.15	4.87	36.52
"	Carrickfergus (Copeland)	4.31	2.71	3.67	2.05	2.93	2.03	3.26	4.25	2.67	.52	7.52	5.59	41.51
"	Larne (Sallagh Springs)	3.51	3.26	3.70	2.31	2.79	4.43	2.55	5.93	3.41	.85	8.79	6.64	48.17
"	Ballycastle (Coolgreany)	3.47	3.98	3.27	2.27	1.55	3.78	3.79	2.84	3.29	1.25	9.18	6.65	45.32
"	Ballygrove Airfield	2.47	2.02	2.09	1.22	1.32	2.70	3.31	3.56	2.61	.75	6.05	3.88	31.98
"	Ballymena (Harryville)	2.57	2.76	2.20	1.56	1.45	3.29	3.55	4.94	2.42	1.34	7.29	4.98	39.35
"	Garvagh (Moneydig)	3.57	2.76	2.20	1.56	1.71	3.44	3.79	4.83	2.75	1.61	6.65	5.70	42.96
Londonderry	Coleraine (Ingledene)	4.52	3.66	2.67	1.63	1.44	2.57	3.20	3.99	2.20	1.75	5.64	5.58	37.73
"	Glendra Lodge	3.35	3.36	2.66	1.99	1.44	2.57	3.20	3.99	2.20	1.75	5.64	5.58	37.73
"	Londonderry (Creggan Reservoir)	4.23	3.17	3.73	2.94	3.27	3.18	4.72	8.28	4.00	2.40	9.48	7.76	57.16
"	Castlecaulfield (Parkanaur)	4.15	3.47	3.31	2.67	1.24	2.15	3.49	3.53	2.36	2.08	4.76	5.61	38.82
Tyrone	Omagh (Edenfel)	2.74	2.04	3.27	1.87	2.02	2.82	3.42	5.48	3.72	1.28	6.61	4.85	40.12
"	"	3.52	3.36	3.33	2.02	1.62	2.78	2.94	5.13	3.27	1.89	5.43	4.65	39.94
"	Stion Mills (Sion House)	4.82	3.50	3.12	2.16	1.34	3.04	2.97	4.53	2.38	2.69	4.22	5.92	40.69

Table 8D Monthly Rainfall in 1951 ; the Average, 1881-1915, being taken as 100

County and River Division	Station	Jan.	Feb.	Mar.	April	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
London	2	153	302	176	168	120	57	61	166	141	35	205	75	132
Kent	1	156	282	153	122	128	83	63	229	225	80	158	90	142
"	4	144	326	160	131	113	115	111	208	171	45	175	95	145
Sussex	1	158	253	214	180	126	120	82	257	122	34	266	95	154
"	3	145	277	179	153	143	107	136	183	162	38	143	91	138
Hampshire	1	189	305	226	142	173	72	77	200	168	40	261	84	156
"	8	127	284	181	207	152	30	61	190	176	26	273	70	142
Hertfordshire	3	144	244	174	173	158	56	53	165	117	28	165	60	120
Buckinghamshire	3	152	296	202	199	133	56	69	143	179	34	259	59	140
Oxfordshire	3	170	210	215	159	112	63	57	161	288	31	226	63	136
Northamptonshire	4	129	202	183	174	179	47	36	168	71	27	216	74	120
Cambridgeshire	2	156	186	215	201	197	50	26	147	108	35	145	63	117
Essex	1	134	318	163	180	149	58	36	177	168	30	186	87	132
"	3	104	337	158	170	151	64	132	128	257	53	118	73	136
"	6	114	294	168	181	150	67	101	202	164	33	154	82	133
Suffolk	4	122	204	161	257	118	110	136	104	95	20	144	64	119
"	5	126	221	204	269	125	67	56	131	172	33	170	69	127
Norfolk	3	147	144	208	219	148	79	58	133	127	35	125	55	114
Wiltshire	3	130	310	204	159	173	41	52	186	184	29	333	94	154
"	5	155	237	184	190	154	42	58	162	192	20	254	87	138
Dorset	3	135	254	180	134	157	24	49	211	166	32	215	85	133
"	3	126	200	150	100	136	42	107	186	168	18	260	77	129
Devonshire, S.	5	112	221	176	89	143	43	78	160	220	18	173	70	119
"	6	112	181	161	100	123	55	47	164	178	32	195	75	116
Devonshire, N.	1	146	170	168	198	142	45	47	232	106	33	122	103	123
"	3	143	176	139	150	192	69	109	137	140	25	176	87	124
Cornwall	1	162	148	192	130	197	25	42	159	102	43	108	84	111
"	2	161	169	168	108	148	27	39	154	145	51	160	87	118
"	2	124	140	164	141	141	31	51	141	149	38	140	82	109
"	4	169	158	187	84	147	64	22	180	124	37	158	97	119
Gloucestershire	7	164	178	169	162	142	54	75	177	149	31	227	79	130
Herefordshire	1	95	162	174	106	162	39	21	96	137	29	242	75	109
Shropshire	3	97	168	216	111	131	31	89	114	120	34	243	95	118
"	3	97	129	249	124	162	49	78	117	121	29	219	101	118
Worcestershire	1	110	183	238	160	164	28	43	131	150	35	277	96	129
Warwickshire	1	133	164	224	142	153	100	34	201	95	32	235	75	128
"	4	149	184	269	170	170	49	46	156	187	26	329	103	147
Leicestershire	4	123	172	183	136	164	55	43	181	75	25	217	74	116

Table 8D Monthly Rainfall in 1951 ; the Average, 1881-1915, being taken as 100 (continued)

County and River Division	Station	Jan.	Feb.	Mar.	April	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Lincolnshire .....3	Boston (Black Sluice, Skirbeck) ...	% 202	% 211	% 205	% 175	% 168	% 50	% 49	% 147	% 115	% 32	% 173	% 56	% 122
"4	Skegness (Marine Gardens).....	164	216	183	199	179	60	33	166	104	44	162	40	121
Nottinghamshire ...5	Mansfield (Carr Bank)	86	200	205	77	151	34	27	173	94	25	289	79	116
Derbyshire .....6	Buxton (Terrace Slopes)	117	155	190	126	84	77	72	121	106	24	243	137	123
Cheshire .....3	Birkenhead (Bidston Observatory) .	85	131	225	61	150	28	45	164	95	23	254	131	114
Lancashire, South .3	Manchester (Whitworth Park)	129	110	202	113	82	56	98	128	126	39	245	170	124
" Central .1	Squires Gate (Blackpool Airport) ..	151	120	193	81	136	28	57	119	113	47	241	211	128
" "1	Stonyhurst College	119	114	122	97	57	45	102	104	83	28	209	259	117
" North...5	Garstang (Grizedale Reservoir)	137	131	150	102	71	40	83	92	111	42	188	220	116
Yorkshire, W.R. ...8	Wakefield (Clarence Park)	94	162	162	53	220	33	117	164	149	28	291	81	126
" E.R. ...3	Hull (Pearson Park)	95	146	157	69	233	64	66	182	62	32	147	73	109
" N.R. ...2	Felixkirk (Mount St. John)	91	146	142	78	262	58	112	195	146	55	242	103	135
" "3	York (Museum)	108	143	160	54	186	52	88	228	109	63	252	88	128
" "5	Scarborough	99	135	186	94	226	54	104	224	54	27	166	84	120
" "6	Middlesbrough (Albert Park)	106	142	199	117	223	84	74	209	51	45	168	168	130
" "6	Baldersdale (Hury Reservoir)	97	127	128	142	117	30	36	100	75	25	242	213	116
Northumberland ...3	Newcastle (Leazes Park)	52	138	174	91	181	105	61	173	50	25	224	64	110
"4	Beltingham (High Green)	109	113	105	126	99	55	52	99	89	26	206	104	98
"6	Iliderton (Lilburn Tower Gardens) .	119	143	141	119	159	56	106	125	35	21	212	66	108
Cumberland .....1	Geltsdale	135	94	155	98	81	66	120	84	146	38	223	147	116
"2	Keswick (High Hill)	92	113	99	158	97	78	80	104	207	20	232	183	125
"3	Ravenglass (The Grove)	124	151	141	47	62	40	84	135	166	19	317	149	127
Monmouthshire....3	Abergavenny (Larchfield)	128	205	150	99	127	14	38	128	196	24	258	110	125
Glamorgan .....3	Ystalyfera (Wern House)	138	125	120	135	89	60	30	193	173	25	189	86	115
"5	Cardiff (Penylan)	144	153	130	141	102	27	32	109	176	40	198	70	109
Carmarthenshire ...2	Llanddeusant (Pontcrynfe)	126	149	132	146	105	41	32	159	170	22	212	112	118
Pembrokeshire ....4	Tenby (The Priory)	160	138	155	119	100	41	36	155	123	34	156	85	108
Radnorshire .....1	Birmingham W.W. (Tyrmynydd) ..	112	144	129	160	108	38	51	104	134	23	191	106	110
Montgomeryshire ...5	Lake Vyrnwy (Experimental Station)	119	171	151	176	112	61	76	136	170	32	186	169	132
Merionethshire ....3	Blaenau Ffestiniog (Oakeley Quarry)	118	109	144	126	33	60	61	98	187	22	129	145	105
"5	Aberdovey (Pias Penhelig)	103	114	197	112	89	42	64	147	157	25	143	150	113
Caernarvonshire ...2	Llandudno (Cricknet Ground)	112	172	260	85	174	60	38	121	125	27	211	187	129
Anglesey .....2	Llanerchymedd (Llwydiarth Esgob).	123	174	164	86	129	37	51	133	198	16	173	171	122
Isle of Man .....2	Douglas (Borough Cemetery)	158	97	143	61	156	37	67	133	161	19	162	137	113
Wigtownshire.....3	Port William (Monreith)	140	86	118	56	85	81	83	113	135	16	172	150	107
Dumfriesshire .....3	Dumfries (Crichton Royal Institute)	175	101	97	99	88	53	78	140	152	6	241	172	120
"5	Eskdalemuir Observatory	146	93	108	159	66	77	114	139	186	9	178	135	119
Roxburghshire ....7	Kelso (Floors)	177	119	147	159	149	73	93	88	73	11	236	71	111

Table 8D Monthly Rainfall in 1951 ; the Average, 1881-1915, being taken as 100 (continued)

County and River Division	Station	Jan.	Feb.	Mar.	April	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
		%	%	%	%	%	%	%	%	%	%	%	%	%
Peeblesshire	Stobo Castle	133	128	86	180	127	64	110	132	97	17	238	132	120
Berwickshire	Marchmont House	166	100	118	137	121	44	84	112	62	12	182	43	95
East Lothian	North Berwick Reservoir	164	124	137	169	146	102	127	122	35	8	190	62	110
Midlothian	Edinburgh (Blackford Hill)	147	116	131	175	148	70	124	164	43	19	189	105	118
Lanarkshire	Hamilton W. W. (Townhill)	113	81	81	151	61	105	86	147	112	26	144	133	104
Ayrshire	Colmonell (Knockdolian)	104	88	97	83	79	60	63	139	88	23	157	134	97
"	Glen Afton (Ayr Sanatorium)	118	102	106	142	104	50	69	156	158	20	220	166	122
"	Greenock (Prospect Hill)	96	75	88	112	68	69	93	95	118	36	133	152	99
Renfrewshire	Rothsay (Ardencraig)	132	69	104	103	80	86	93	96	111	52	157	167	108
Buteshire	Morvern (Drimnin)	148	97	92	127	31	63	141	114	111	55	123	139	108
Argyllshire	Lochgilphead (Poltalloch)	133	83	107	97	21	90	127	86	93	69	139	171	107
"	Inveraray Castle Gardens	103	82	85	170	32	70	115	103	110	50	139	150	105
"	Islay (Eallabus)	118	90	107	108	41	73	83	90	93	48	167	139	102
"	Tiree Airport	204	117	90	113	28	67	91	98	102	85	144	139	112
Kinross-shire	Loch Leven Sluice	152	111	118	127	109	120	202	103	88	17	150	108	116
Fifeshire	Leuchars Airfield	171	149	116	121	98	90	166	95	73	7	262	84	118
Perthshire	Loch Dhu	97	69	74	127	56	99	87	132	120	32	143	127	99
"	Grieff (Strathearn Hydro)	117	104	60	162	91	90	98	133	107	22	179	108	106
"	Fincastle House	79	101	69	114	89	86	86	176	110	41	219	119	111
Angus	Montrose (Sunnyside Asylum)	189	137	122	118	70	113	126	137	73	26	270	64	120
Aberdeenshire	Braemar (Bank)	104	169	80	165	72	62	87	127	73	29	209	108	109
"	Dyce (Craibstone)	170	171	109	129	56	113	190	131	52	27	267	67	124
"	Fyvie Castle	141	167	113	195	46	138	143	124	26	40	220	74	116
Morayshire	Fochabers (Gordon Castle)	137	182	130	164	46	140	108	110	26	42	197	86	111
Nairnshire	Nairn (Achareidh)	125	119	78	243	33	94	115	167	30	59	159	145	112
Inverness-shire	Glenshero	97	76	62	210	32	83	98	119	79	38	119	145	98
"	Loch Ness (Garthbeg)	107	80	64	278	37	110	107	210	57	45	94	160	110
"	Loch Quoich (Glenquoich)	91	64	61	124	13	85	119	126	83	46	103	134	90
"	Onich	105	79	80	139	22	86	151	97	122	63	114	147	104
"	Fort William (Teviot)	100	67	56	153	13	83	113	121	134	51	123	150	101
"	Skye (Broadford)	129	69	71	133	17	80	134	96	113	71	95	145	100
"	Skye (Duntulm, Kilmuir)	144	79	69	140	15	84	163	80	86	123	89	147	105
"	Tain (Tarlogie House)	128	72	91	235	52	71	100	169	41	41	158	124	107
Ross and Cromarty	Inverbroom (Glackour)	110	112	81	194	66	57	82	125	60	58	139	146	106
"	Achnashellach	102	81	72	149	20	83	150	111	93	62	86	154	99
Sutherland	Loch More (Achfary)	106	88	94	210	59	132	133	96	64	70	129	114	106
"	Lochinver (Bank House)	106	76	84	180	39	113	111	98	59	93	103	132	100
Caithness	Wick Airport	107	153	161	123	22	46	141	108	58	65	163	79	104

Table 8D Monthly Rainfall in 1951 ; the Average, 1881-1915, being taken as 100 (concluded)

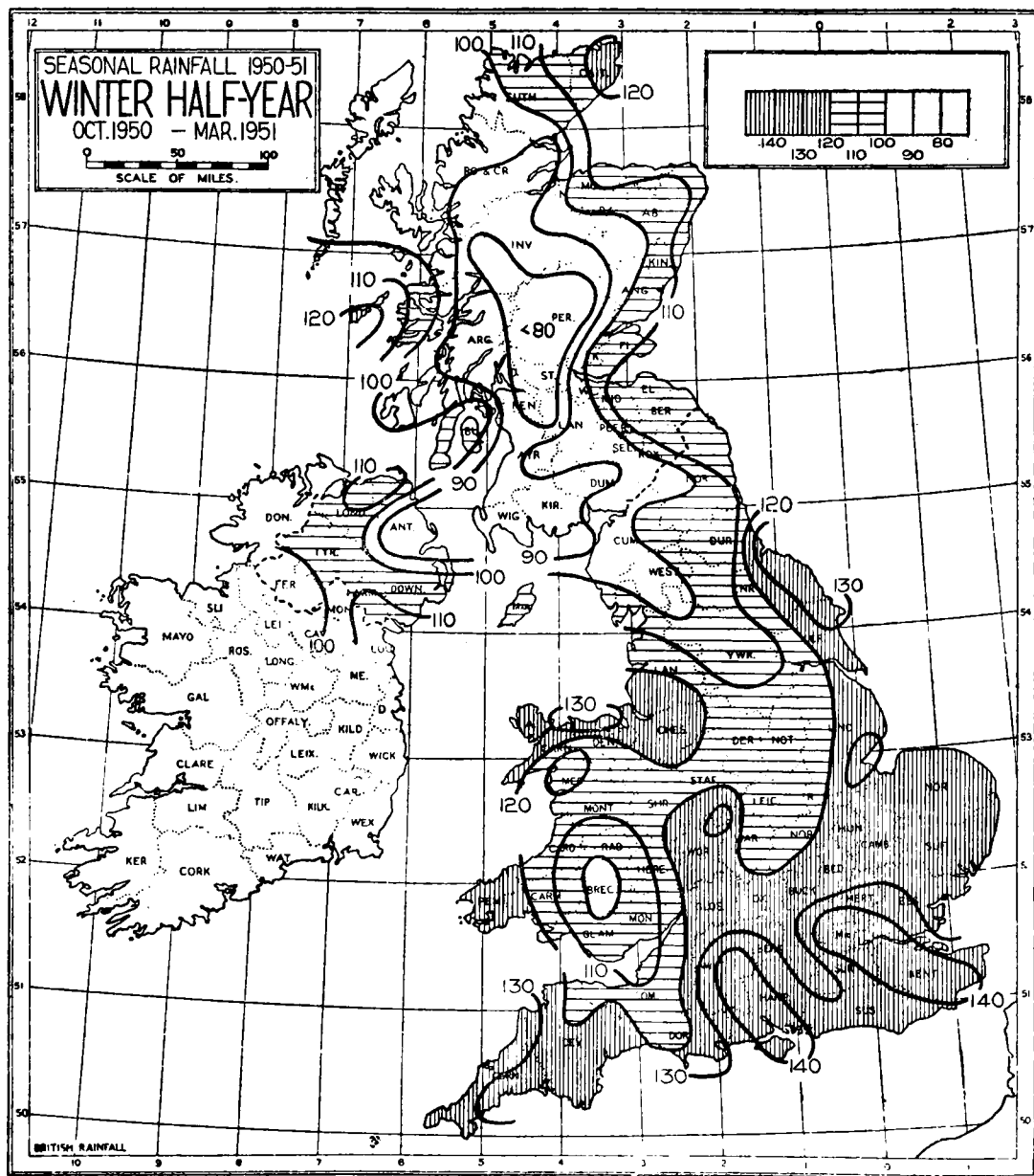
County and River Division	Station	Jan.	Feb.	Mar.	April	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Shetland	Lerwick Observatory	% 122	% 179	% 78	% 192	% 14	% 78	% 173	% 177	% 86	% 63	% 141	% 145	% 123
Fermanagh .....1	Newtownbutler (Crom Castle)	118	118	103	86	62	118	104	118	105	35	111	106	100
Armagh .....5	Armagh Observatory	105	136	118	82	63	84	116	123	77	31	194	137	107
Down .....2	Seaforde	143	139	104	66	138	67	101	111	117	14	181	87	106
Antrim .....5	Aldergrove Airfield	90	84	83	58	59	112	118	99	105	25	187	113	97
"5	Ballymena (Harryville)	96	85	70	59	51	113	104	116	78	36	180	112	95
Londonderry .....3	Garvagh (Moneydig)	131	117	86	67	67	135	117	123	93	46	169	142	111
"5	Londonderry (Creggan Reservoir) .	115	109	103	104	47	76	95	76	72	57	116	128	93
Tyrone .....3	Omagh (Edenfel)	99	113	106	77	63	99	86	120	107	51	143	110	100
England	(General Mean* 60 Stations)	129	192	179	138	148	57	69	160	135	33	210	98	†
Wales	(" " 11 ")	126	150	157	126	106	44	46	135	164	26	186	126	..
England and Wales ...	(" " 71 ")	128	186	176	136	142	55	66	156	140	32	206	103	..
Scotland	(" " 43 ")	129	105	95	150	62	84	115	123	88	42	165	125	..
Northern Ireland	(" " 8 ")	112	113	97	75	69	101	105	111	94	37	160	117	..

* The 'General' values given in the last five rows are obtained by taking the means of the percentage values for the stations. † See Table 10A.

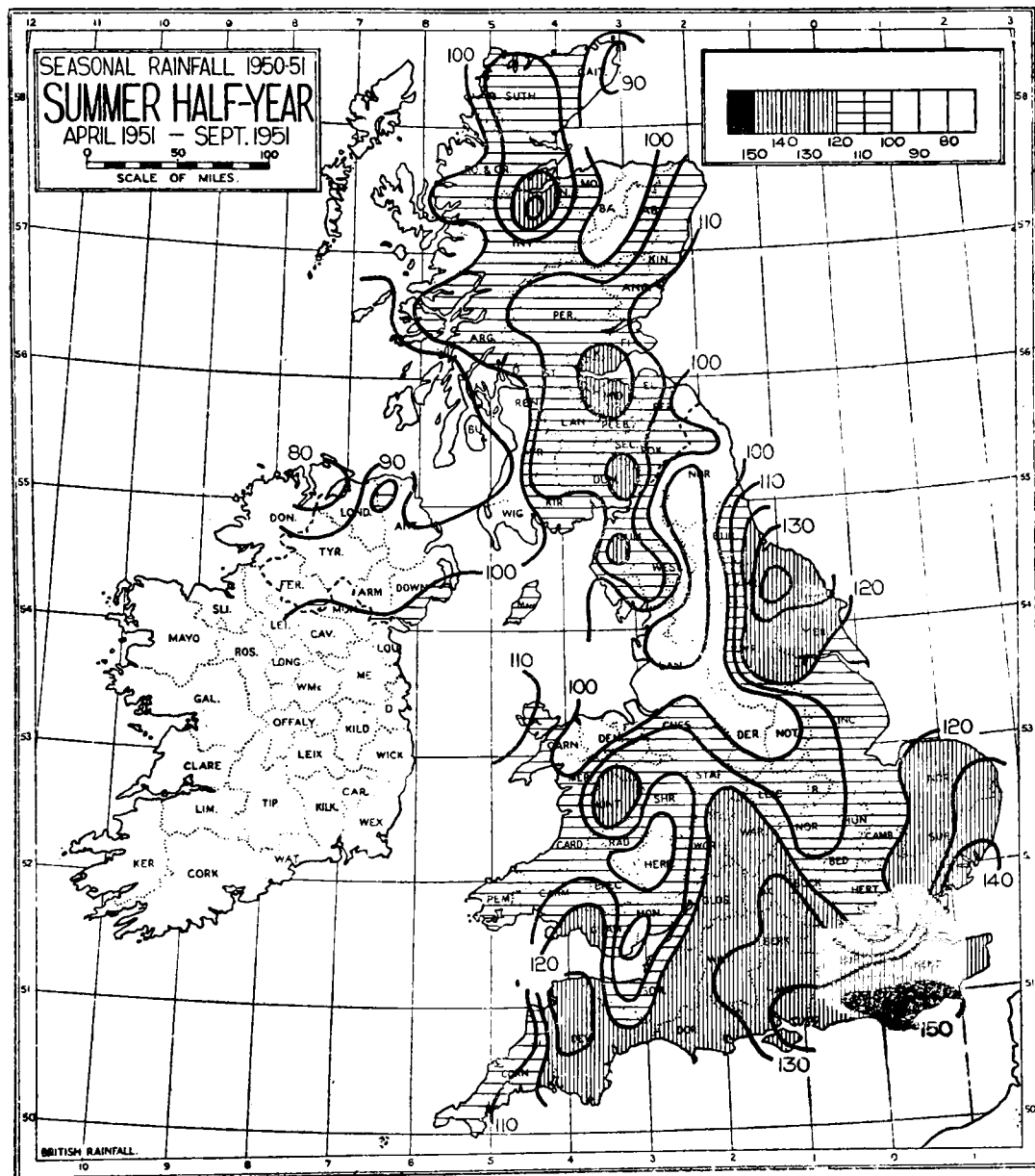
9 Seasonal Rainfall 1950-51

There are definite advantages in considering the rainfall of the winter and summer separately. One defect of the calendar year as a unit of time for rainfall purposes is that the early part of a winter is included in one calendar year and

the later part in another year. Winter rainfall has a special economic importance, for, except in the wettest areas, the summer rainfall is, for the most part, lost by evaporation or absorbed by vegetation.



Rainfall, Winter Half-year, as per cent of average



Rainfall, Summer Half-year, as per cent of average

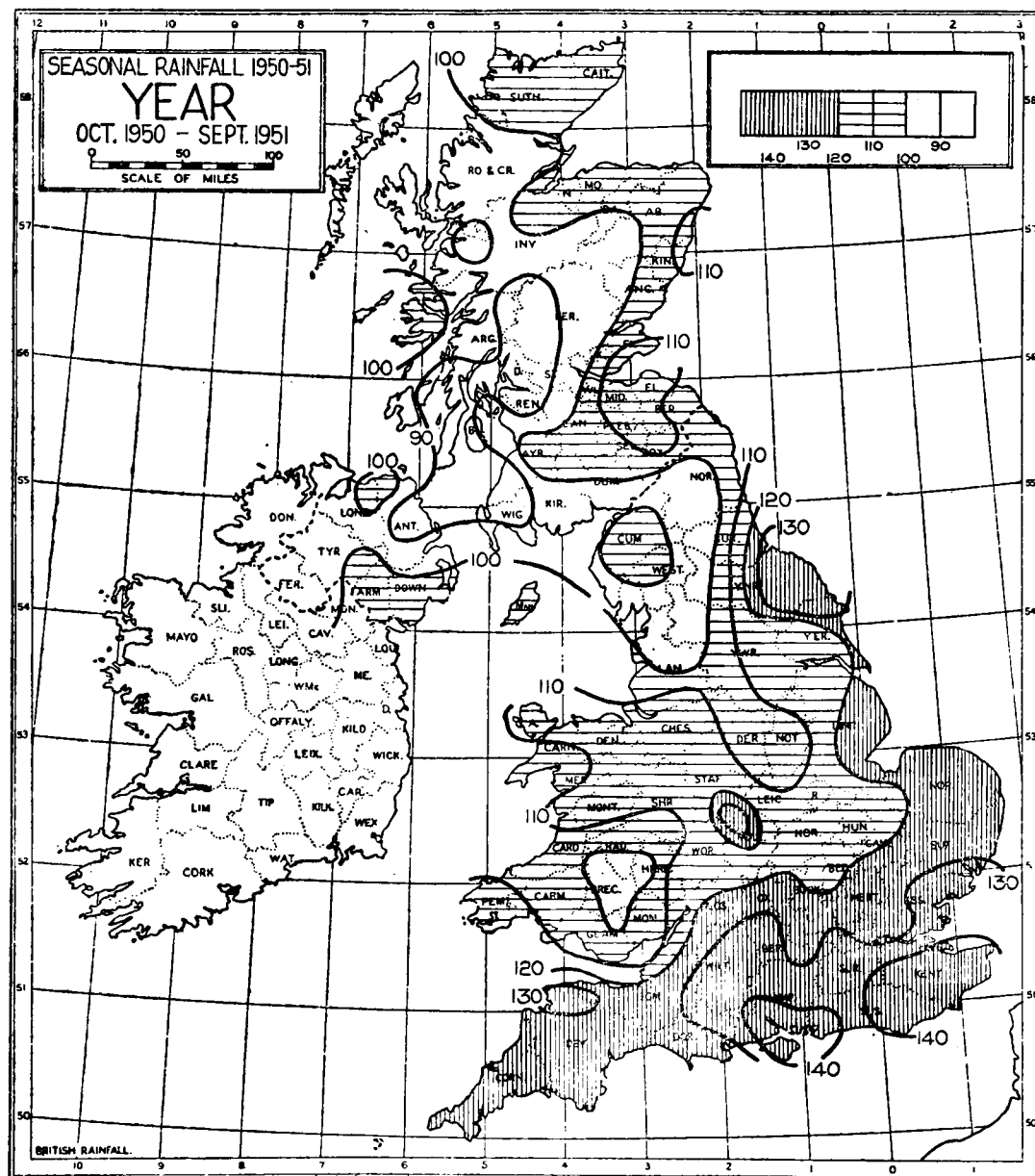
In this section the rainfall of the winter season, October 1, 1950, to March 31, 1951, and of the summer season, April 1, 1951, to September 30, 1951, is dealt with, as well as the rainfall of the whole seasonal year, October 1, 1950, to September 30, 1951. It is usual to associate a summer season with the preceding rather than with the following winter season, since the water required in summer for replenishing streams and for the needs of animal and vegetable life is derived,

in part, from that which has been naturally stored during the previous winter season. One section of *British Rainfall* has been devoted to this subject since the volume for 1908, and three maps and Table 9A, similar to those introduced in that volume, are now reproduced.

Table 9A contains rainfall values for each of these two seasons as percentages of the average fall for the season at each station.

The stations in Table 9A are, as far as

possible, the same as those used in earlier volumes. 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. Seasonal percentage values for the larger divisions of the country are given in Table 9B. In *British Rainfall*, 1926, p. 125, values were given for the general rainfall over England and Wales and Scotland separately back to 1906-07 and the series has been continued in the annual volumes.



Rainfall, Seasonal Year, as per cent of average

Table 9A Seasonal Rainfall, 1950-51, as a Percentage of the Average, 1881-1915

Station†	Winter Oct. 1950- Mar. 1951	Summer Apr. 1951- Sep. 1951	Year Oct. 1950- Sep. 1951	Station†	Winter Oct. 1950- Mar. 1951	Summer Apr. 1951- Sep. 1951	Year Oct. 1950- Sep. 1951
St. Pancras (Camden Square) ...	140	116	128	Abergavenny (Larchfield) ...	113	101	108
Folkestone (Cherry Garden) ...	144	147	145	Ystalyfera (Wern House) ...	100	120	108
Edenbridge (Falconhurst) ...	140	145	142	Cardiff (Penylan) ...	104	99	102
Compton (Compton House) ...	137	149	142	Llanddeusant (Pontcrynfe) ...	107	112	109
Worthing (Beach House Park) ...	130	149	138	Tenby (The Priory) ...	122	100	113
Ventnor (Park) ...	148	140	145	Birmingham W.W. (Tyrmynydd) ...	100	100	100
Sherborne St. John ...	126	134	129	Lake Vyrnwy (Experimental Station)	115	123	118
Royston (Therfield Rectory) ...	126	117	121	Blaenau Festiniog (Oakeley Quarry)	103	97	100
Slough (Upton) ...	144	125	136	Aberdovey (Plás Penhelig) ...	113	106	110
Oxford (Radcliffe Met. Station) ...	128	132	130	Llandudno (Cricket Ground) ...	134	100	119
Wellington (Swanspool) ...	120	109	115	Llanerchymedd (Llwydiarth Esgob)	120	110	116
March ...	122	113	118	Douglas (Borough Cemetery) ...	107	107	107
Hatfield Broad Oak (Barrington) ...	137	123	130	Port William (Monreith) ...	87	94	91
Shoeburyness ...	130	148	139	Dumfries (Crichton Royal Institute)	90	104	96
Dovercourt ...	127	141	134	Eskdalemuir Observatory ...	89	126	104
Lowestoft (Secondary School) ...	122	132	127	Kelso (Floors) ...	118	102	110
Bury St. Edmunds (Westley Hall) ...	126	128	127	Stobo Castle ...	99	118	108
Sandringham House Gardens ...	124	120	122	Marchmont House ...	112	93	103
Porton (C.D.E.E.) ...	145	131	139	North Berwick Reservoir ...	112	115	114
Aldbourn (Manor House) ...	139	129	135	Edinburgh (Blackford Hill) ...	111	123	117
Creech Grange ...	127	126	127	Hamilton W.W. (Townhill) ...	79	111	93
Beaminster (East Street) ...	118	127	122	Colmonell (Knockdolian) ...	86	89	87
Teignmouth (Den Gardens) ...	125	122	124	Glen Afton (Ayr Sanatorium) ...	92	117	102
Cullompton ...	129	113	122	Greenock (Prospect Hill) ...	81	94	87
Ilfracombe ...	128	135	131	Rothsay (Arden Craig) ...	101	96	97
Okehampton (Uplands) ...	121	133	125	Morvern (Drimnin) ...	104	103	104
Bude (School House) ...	138	108	126	Lochgilhead (Poltalloch) ...	90	88	89
Penzance (Morrah Gardens) ...	134	106	123	Inveraray Castle Gardens ...	86	103	93
St. Austell (Poltair Public Gardens)	127	110	120	Islay (Eallabus) ...	97	83	91
Scilly (Tresco Abbey) ...	131	107	122	Tiree Airport ...	122	86	107
Cirencester (Somerford Road) ...	124	126	125	Loch Leven Sluice ...	104	125	113
Vowchurch (Ladywell House) ...	104	92	99	Leuchars Airfield ...	108	109	109
Church Stretton (Sewage Works) ...	118	99	109	Loch Dhu ...	76	106	88
Shrewsbury (Monkmoor) ...	118	107	112	Crieff (Strathearn Hydro) ...	74	114	91
Malvern (Free Library) ...	122	110	116	Fincastle House ...	73	115	91
Leamington Spa (Pump Room Gardens)	116	122	119	Montrose (Sunnyside Asylum) ...	104	109	106
Birmingham (Edgbaston) ...	136	126	131	Braemar ...	89	100	94
Thornton Reservoir ...	110	110	110	Dyce (Craibstone) ...	111	114	112
Boston (Black Sluice, Skirbeck) ...	138	114	126	Fyvie Castle ...	102	110	106
Skegness (Marine Gardens) ...	129	119	124	Fochabers (Gordon Castle) ...	113	97	105
Mansfield (Carr Bank) ...	115	94	105	Nairn (Achareidh) ...	99	110	105
Buxton (Terrace Slopes) ...	119	98	110	Glenshero ...	83	104	91
Birkenhead (Bidston Observatory) ...	126	94	110	Loch Ness (Garthbeg) ...	96	131	110
Manchester (Whitworth Park) ...	128	101	115	Loch Quoich (Glenquoich) ...	80	95	86
Squires Gate (Blackpool Airport) ...	118	91	105	Onich ...	84	106	93
Stonyhurst College ...	110	84	98	Fort William (Teviot) ...	80	108	91
Garstang (Grizedale Reservoir) ...	110	85	98	Skye (Broadford) ...	96	99	97
Wakefield (Clarence Park) ...	109	124	117	Skye (Duntulm, Kilmuir) ...	92	97	94
Hull (Pearson Park) ...	120	118	119	Tain (Tarlogie House) ...	88	111	98
Felixkirk (Mount St. John) ...	118	143	130	Inverbroom (Glackour) ...	95	99	97
York (Museum) ...	110	125	117	Achnashellach ...	87	104	94
Scarborough ...	130	134	132	Loch More (Achfary) ...	100	114	105
Middlesbrough (Albert Park) ...	139	131	135	Lochinver (Bank House) ...	98	99	99
Baldersdale (Hury Reservoir) ...	102	84	94	Wick Airport ...	125	86	107
Newcastle (Leazes Park) ...	108	112	110	Lerwick Observatory ...	117	124	120
Bellingham (High Green) ...	96	85	91	Newtownbutler (Crom Castle) ...	95	101	97
Ilderton (Lilburn Tower Gardens) ...	112	101	107	Armagh Observatory ...	110	95	102
Geltsdale ...	104	99	102	Seaforde ...	106	101	103
Keswick (High Hill) ...	92	122	104	Aldergrove Airfield ...	89	94	92
Ravenglass (The Grove) ...	102	96	99	Ballymena (Harryville) ...	86	90	87
				Garvagh (Moneydig) ...	111	103	107
				Londonderry (Creggan Reservoir)	107	79	104
				Omagh (Edenfel) ...	102	95	98

† For Counties see Table 8D.

The *winter half year* included four months, November 1950, January, February and March, 1951, all with marked excesses above average over England and Wales, while over Scotland only January 1951 gave appreciably more than average. Northern Ireland experienced three wet months, October 1950, January and February 1951, but the excesses in these months only just exceeded the deficiencies in the other three months. Over England and Wales as a whole the last wetter winter was that of 1940-41. Over Scotland each of the three previous winters were wetter than 1950-51 and of the last 16 winters as many as ten were wetter. It will be seen from the map that the rainfall exceeded the average over most of England and Wales, over the east of Scotland and parts of the Western Isles and over a good deal of Northern Ireland. The extreme percentage range was from 73 at Pitlochry, in central Scotland, to 148 at Ventnor.

The *summer half-year* included four months, April, May, August and September which were appreciably wetter than usual over England and Wales; three, April, July and August, over Scotland, and only one, August, over Northern Ireland. Over England and Wales during the previous 18 summers only two, those of 1950 and 1946, were wetter than 1951, while over Scotland eight of the last nine were wetter there. The map shows that more than the average occurred over the greater part of Great Britain and that there

was more than 120 per cent over much of the south and east of England. The percentage range was from 79 at Londonderry, Northern Ireland, to 149 at Compton and Worthing, with 7.63 and 5.60 inches more than the average respectively. The rainfall of the summer of 1951 was not so outstanding in the south of England as that of 1946, when large areas recorded more than 150 per cent and Compton and Bury St. Edmunds as much as 173 and 195 per cent respectively.

For the *seasonal year* the rainfall was more than the average over most of England and Wales, and much of the eastern half of Scotland. Falls of more than 120 per cent were confined to England, mainly the south and east, where between Hampshire and Kent 140 per cent was recorded. The rainfall of the seasonal year, 1950-51, was the largest on record in many parts of this area between Hampshire and Kent since comparable values became available in 1919-20. The percentage range over the country was from 86 at Glenquoich, in Inverness-shire, to 145 at Folkestone and Ventnor. During the previous 14 seasonal years only that of 1949-50 was wetter over England and Wales, while over Scotland there were six wetter seasonal years.

It is of interest to note that over England and Wales during the last ten years the total rainfall has been less than average during the winters, but more during the summers, whereas during the previous decade wet winters and dry summers prevailed.

Table 9b General Values of Seasonal Rainfall, 1950-51

Country	Winter Oct. 1950- Mar. 1951	Summer Apr. 1951- Sep. 1951	Year Oct. 1950- Sep. 1951
	%	%	%
England	124	118	121
Wales	112	106	109
England and Wales	122	116	119
Scotland	98	105	100
Northern Ireland	101	95	98

10 The Total Fall of Rain in 1951

The General Table, which forms Part II of this volume, gives the total rainfall for the year at nearly 5,000 stations in Great Britain and Northern Ireland. As many of these totals as practicable have been plotted on a base map on a scale of 16 miles to an inch. The distribution of rainfall has been shown on the map by isohyetal lines or lines of equal rainfall. The distribution is dominated by the orography of the country and the maps of different years resemble each other in their general features. Differences are noticeable only after detailed examination and comparison. The characteristics of a particular year are brought out better by a percentage map, such as that reproduced as a frontispiece to this volume, on which is shown the percentage ratio of the year's rainfall to the local average. The tints on this map are such that blue denotes regions where the 1951 rainfall exceeded the average for the standard period 1881–1915, while red indicates areas with rainfall below this average. Isopleths on the 1951 map are drawn through places where the values of rainfall were respectively 100, 110, 120, 130, 140, 150 and 160 per cent of the average values. The statistics upon which the map is based are set out in Tables 8D and 10B.

The map reproduced as a frontispiece to this volume shows that nearly the whole of the country had a rainfall above average in 1951. Rainfall was less than average only around Bellingham, the Lammermuir Hills, Greenock, over a large area extending from Skye to Kingussie, the north of Lewis and over two areas in Northern Ireland.

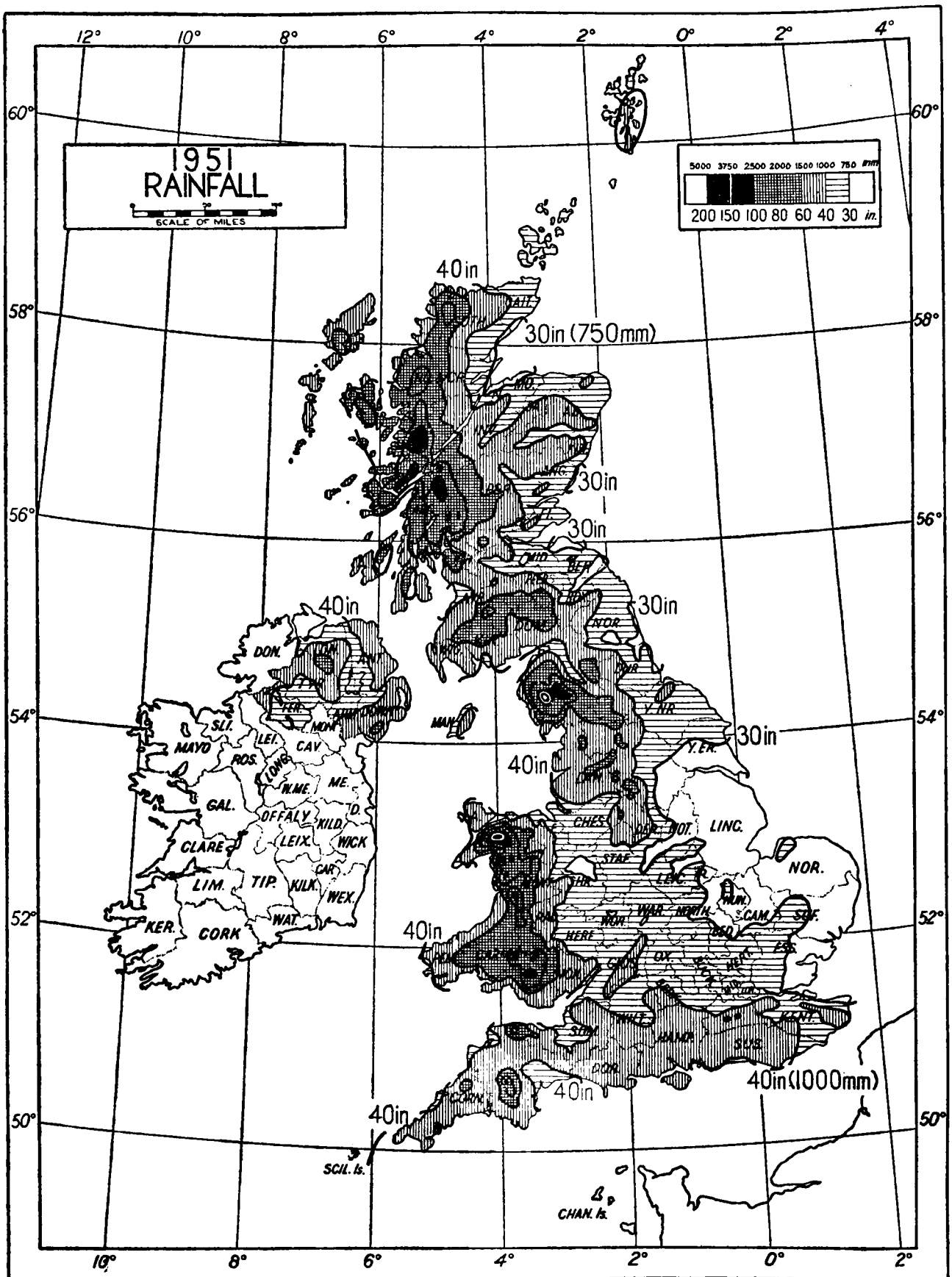
Falls of more than 120 per cent occurred in

Scotland only around Aberdeen and over part of the Southern Uplands, in Wales only in the north-east, but were widespread over England. More than 130 per cent occurred in three main areas: to the west of a line from Chester to Welshpool, from Pateley Bridge to Middlesbrough and over much of south-east England. There were four areas from Wiltshire to Sussex with more than 150 per cent, and Calshot near the Isle of Wight recorded over 160 per cent.

The large area with more than 140 per cent in south-east England is unprecedented. The years 1927 and 1903 gave the most comparable distribution, but in both these years the areas with more than 140 per cent were further north. The year 1951 gave the largest annual total on record at stations in the southern half of Surrey, western half of Sussex, the south of Hampshire, including the Isle of Wight, and the extreme south of Dorset. At the following stations 1951 was the wettest year since the record started in the year indicated:—Surrey, Hascombe (Olivers) 1893; Kent, Edenbridge (Falconhurst) 1864; Sussex, Chilgrove House 1834, Compton House 1881; Horsham (Wimblehurst) 1889; Hampshire, Ventnor 1872, Portsmouth 1890; Dorset, Weymouth (Westham) 1883.

The smallest annual percentage shown in Tables 8D and 10B is 90 at Glenquoich, in the Western Highlands of Scotland, and the largest 156 at Ventnor.

The percentage values of 215 stations are used to derive general values of rainfall for the year over the larger divisions of the country. These values are set out in Table 10A.



**Table 10A General Rainfall, 1951,
compared with average**

Countries	No. of Stations	Average 35 years 1881-1915	1951	
			Per cent	Rainfall
England ...	122	in. 32·67	125	in. 40·9
Wales ...	18	50·14	117	58·8
England & Wales	140	35·23	124	43·7
Scotland ...	63	50·32	109	54·8
Northern Ireland	12	39·66	102	40·4
Whole area ...	215	40·33	118	47·8

Over England and Wales as a whole, 1951 gave 124 per cent of the average rainfall, and since 1869 there have been only five wetter years—1912, 1903, 1882, 1877 and 1872, with 125, 128, 127, 126 and 144 per cent respectively. Over Scotland, with 109 per cent, the total was exceeded as recently as 1948 and 1950 and

it was the fourth consecutive year with more than the average. Over Northern Ireland, with 102 per cent, seven of the previous nine years were appreciably wetter.

The general rainfall of 1951 exceeded that of 1950 by 3·5 inches over England and Wales but was 2·5 inches less than in 1950 over Scotland and 7·4 inches less over Northern Ireland.

The general distribution of the actual rainfall in 1951 as shown on the accompanying map is similar in its main features to that of other years. Falls of less than 30 inches were confined mainly to the east of England between the Humber and Thames Estuary, but they occurred also around Shrewsbury and along parts of the east coast of Scotland. More than 150 inches was recorded on Snowdon and in the English Lake District, where at both Styehad Tarn and Sprinkling Tarn the totals exceeded 200 inches.

Among the largest totals recorded for the year, the following are of interest :—

					<i>In.</i>
England	..	..	Cumberland, Sprinkling Tarn	.. ..	218·00
Wales	..	..	Caernarvon, Snowdon (Delta)	.. ..	173·90
Scotland	..	..	Inverness, Loch Quoich (Kinlochquoich)	..	125·99
Northern Ireland	..		Down, Mourne Mtns. (Lough Shannagh)	..	78·20

Notable among the smallest totals during the year were:—

England	Cambs, Thorney (North House)	23·59
Wales	Flint, Rhyl (Sewage Works)	29·96
Scotland	Ross and Cromarty, Tarbetness	22·20
Northern Ireland ..	Antrim, Aldergrove Airfield	31·88

Table 10B Rainfall of 1951 as Percentage of Average, 1881-1915 *

County	Station	Per cent of Average	County	Station	Per cent of Average
ENGLAND					
Surrey ...	Reigate (Wray Park Road) ...	145	Yorks, W.R.	Skipton (Chelker Reservoir)	118
Kent ...	E. Malling (Research Stn.)	137	"	Harrogate (Harlow Moor Obsy.)	125
" ...	Bromley	140	Yorks, E.R.	Lowthorpe (The Elms) ...	120
Sussex ...	Patching Farm	136	" N.R.	Leyburn (Bolton Hall) ...	141
" ...	Horsham (Wimblehurst) ...	144	"	Guisborough (Lockwood Res.)	131
" ...	Eastbourne (Wilmington Sq.)	138	Durham	Barnard Castle (Bowes Museum)	123
Hampshire	Bournemouth (Vale View) ...	134	"	Durham (Houghall Hort. Stn.)	119
"	Portsmouth (Southsea Common)	141	Northumb.	Hallington (Fawcett) ...	109
"	South Farnborough (R.A.E.)	146	"	Morpeth (Cockle Park) ...	110
Hertford	Harpenden (Rothamsted) ...	129	"	Howick Hall Gardens ...	115
Buckingham	Oving House	125	Cumberland	Borrowdale (Seathwaite) ...	114
Northampton	Kettering (Sewage Works) ...	132	Westmorland	Patterdale Hall	130
Bedford	Woburn (Experimental Farm)	128	"	Rydal (High Close)	119
Cambridge	Cambridge (Botanic Gardens)	121	WALES		
Essex ...	Halstead (The Brewery) ...	130	Glamorgan	Treherbert (Tyn-y-waun) ...	120
Norfolk...	Sprowston	115	Carmarthen	Llanely (Cwmlliedi) ...	113
" ...	Cromer (Howards Hill) ...	119	Pembroke	Pembroke (Stackpole Court)	105
" ...	Thetford (Waterworks) ...	112	Cardigan	Aberporth	119
Wiltshire	Larkhill (School of Artillery)	155	Montgomery	Welshpool (County School)	128
" ...	Marlborough College ...	136	Flint	Bodfari (Nantlys)	118
Dorset ...	Evershot (Melbury House) ...	142	Denbigh	Wrexham (Pack Saddle Res.)	123
Devon, S.	Plymouth (The Hoe) ...	114	SCOTLAND		
" ...	Princetown (H.M. Prison) ...	117	Wigtown	Newton Stewart (Little Barraer)	115
" N.	Torrington (Caynton House)	108	Kirkcudbright	Dalry (Forrest Lodge) ...	120
Cornwall	Newquay (Mount Wise) ...	119	Dumfries	Canonbie (Irvine House) ...	110
"	Falmouth Observatory ...	106	Selkirk ...	Ettrick Manse	119
Somerset	Bath (Henrietta Park) ...	131	Midlothian	Moorfoot Hills (Rosebery)	119
"	Street (Millfield)	125	"	West Calder (Addiewell) ...	111
"	Milverton (Spring Grove) ...	114	Ayr ...	Prestwick	104
Gloucester	Cheltenham (Montpellier Gdns)	124	Renfrew	Paisley W.W. (Back Th'lymuir)	108
Hereford	Ross-on-Wye	123	Argyll ...	Carradale (Torrisdale Castle)	104
Shropshire	Shifnal (Hatton Grange) ...	129	" ...	Loch Eck (Ben More) ...	98
Stafford	Longton (The Meir) ...	131	" ...	Colonsay	110
Worcester	Stourport (Lincombe Lock)	122	Perth ...	Glengyle	99
Warwick	Ryton-on-Dunsmore ...	134	" ...	Perth (Wellshill Cemetery) ...	111
Lincoln	Spalding (Pode Hole) ...	116	Angus ...	Kirriemuir (Lintrathen) ...	115
" ...	Cranwell Airfield	126	Aberdeen	Lumphanan	115
" ...	Revesby Reservoir	119	Banff ...	Banff	116
" ...	Lincoln (Skellingthorpe Hall)	122	" ...	Ballindalloch	110
" ...	Brigg (Wrawby Road) ...	103	Inverness	Inverness (Culduthel Res.) ...	109
" ...	Cleethorpes (Kings Parade)	113	"	Arisaig House	102
Nottingham	Nottingham (The Castle) ...	121	Sutherland	Cape Wrath	105
Cheshire	Northwich (Hunts Lock) ...	119	NORTHERN IRELAND		
Lancs, C.	Wigan W.W. (Worthington)	130	Down ...	Waringstown (The Forge) ...	104
" N.	Barrow-in-Furness (Gas Wks.)	116	Antrim ...	Belfast (Queen's University)	106
"	Morecambe	112	Londonderry	Glenedra Lodge	100
Yorks, W.R.	Sheffield (Weston Park) ...	121	Tyrone ...	Sion Mills (Sion House) ...	104
"	Goole	128			
"	Huddersfield (Oakes) ...	134			

* See also Table 8D, pp. 66-69.

11 Evaporation and Percolation in 1951

The purpose of this section is to bring together certain groups of data which have some bearing on the subsequent history of the water which reaches the surface as precipitation. These data, derived from measurements of evaporation, percolation and drainage, are unfortunately of limited value for two reasons. The network of observing stations is in the first place very sparse. Secondly, each type of observation has its own special problems which make it difficult to relate the small-scale experimental measurements with the corresponding large-scale processes in nature. Any interpretation of the data must therefore be undertaken with caution and with careful attention to differences between the conditions of observation and the natural conditions occurring over wide and varied areas.

The *evaporation gauges* in use are square tanks sunk in the ground, and the evaporation measured is that from a free water surface. A description of the standard gauge and of the procedure followed in measuring evaporation appeared in *British Rainfall* 1939 and in earlier volumes. Of the 15 stations for which data are available (Table 11B), 13 have the standard gauge, though 2 of these project 6 inches above the ground instead of the standard 3 inches; the gauges at the other 2 stations are smaller than the standard. Problems associated with this method of measuring evaporation are of three kinds:

(i) The difficulty of the measurement itself, i.e. of obtaining an observation which is valid for such a gauge in its particular locality.

(ii) The considerable doubt as to how far measurements from a small tank can be satisfactorily related to the amount of natural evaporation from large bodies of water.

(iii) The problem of relating evaporation from a free water surface to that which occurs from other natural surfaces, in particular from areas of bare soil, or from vegetated tracts of country for which transpiration by plants is the most important process.

The problems have been considered in various ways in efforts to extend the usefulness of the data obtained from evaporation gauges. But it is well to bear in mind an important basic limitation, coming under heading (i), that in order to obtain the amount of water added to the tank by precipitation, a rain-gauge must be satisfactorily exposed on the same site. This imposes the condition that the site must not be seriously over-exposed, and for this reason there can never be complete evaporation data of this type for localities subject to strong winds.

The distribution of *percolation gauges* is even sparser than that of evaporation gauges and the instruments have not been standardized. In essentials such a gauge consists of a vertical core passing through and below the soil, separated by an impermeable wall from its environment, but representative of it, and therefore as far as possible not disturbed from its natural state. Part of the precipitation which falls on the exposed face of the core evaporates from the soil, or reaches the atmosphere again through the transpiration of any crop growing on the gauge. The remainder percolates to the base of the core, where the instrument is completed by a suitable vessel for collecting the water to be measured.

It has been reasonably suggested that with a bare soil surface the core should go down at least 20 inches, and with a cropped surface at least 20 inches below the greatest depth of rooting of the crop, but this condition is not

always observed. Where a gauge is shallow a restriction is imposed on the action of the soil or the roots of the crop, so that the difference between rainfall and percolation does not attain the maximum which is possible under the given external conditions. This difference, referred to as calculated evaporation (Table 11c), is not immediately comparable, even when correctly measured, with the evaporation observed from an evaporation gauge. For much of the time there is no approach to the condition of a free water surface, and during prolonged dry periods the core of the gauge may become so dried out that little or no evaporation (or transpiration) is possible. In dry years calculated evaporation falls short of a tank measurement to a very marked degree, especially when the driest months coincide with the warmest. Moreover, though the calculated evaporation can be safely used for a complete calendar year, since the core will normally be saturated both at the beginning and the end of the period, it cannot be used in the same way for individual months (or for mean values for a particular month) because of the large variations which are possible in the amount of water stored in the core at different times of the year. A percolation gauge is subject to the same limitation as an evaporation gauge in that a rain-gauge must be satisfactorily exposed on the same site. Data are available for 10 gauges at 4 different stations (Table 11c).

Six instruments, referred to collectively as *drainage gauges*, have been set up at Prescott, Lancashire, and Lake Vyrnwy, Montgomeryshire, under the authority of the Engineer, Liverpool Corporation Waterworks. The two gauges at Prescott and two of the four at Lake Vyrnwy are virtually percolation gauges as described above, except that the cores are limited to the depth of the "productive soil", 11 inches at Prescott and 9 inches at Lake Vyrnwy. In each of them the column of soil is supported by fine woven wire mesh on a funnel-shaped concrete base, from which a vertical pipe leads to a glass collecting vessel in a chamber underneath. The gauges are

referred to as *seepage gauges* (Table 11d), and at both Prescott and Lake Vyrnwy one has a surface which is kept bare and weeded, while the other is under the original growth of grass, cut when necessary to maintain a height of about 2 inches.

The other two instruments at Lake Vyrnwy are referred to as *percolation gauges* (Table 11d), following the usage of the responsible authority, but they differ from those described by this term above in that an attempt is made to reproduce two stages in the flow of underground water. The first stage corresponds with that reproduced in the seepage gauge (with a grassed surface). For the second stage 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. This soil face is lower than the bottom of the seepage column and the resultant drainage flows out through a pipe fixed just below the soil surface at the top of the percolation column. It is then collected and measured, the result being expressed in inches depth of water (with allowance for the fact that the collecting area consists of two exposed surfaces).

These two percolation gauges (or combined seepage-percolation gauges) were designed to simulate the processes which operate in the formation of a spring; both are constructed in the same way and give records in close agreement. It seems doubtful whether a natural spring can be represented on such a small scale, and it has been noted that the quantity of water flowing through the pipe fixed at the top of the percolation column is much the same as that which leaves the base of the seepage column, as measured by the single-stage seepage gauge. Even if the difference between the two amounts could be considered significant it would be difficult to define its physical meaning, although when these experiments were designed this difference was intended to show any evaporation from ground-water discharge.

These drainage gauges are subject to the same

limitation as evaporation and percolation gauges, since the satisfactory determination of rainfall is always a necessary part of the observations. At Prescot and Lake Vyrnwy all six instruments have their exposed surfaces level with the surroundings, and the rim of the cast iron cylinder enclosing the core projects in each case 1 inch above the ground. The rain-gauges used for comparative readings are also sunk in the ground with their rims 1 inch above the surface, and the amounts of rainfall recorded can be expected to be somewhat greater, during most falls, than those which would be obtained with a gauge at the normal setting (rim 1 foot above the ground). Such a difference is likely because of in-splashing with the rain-gauge at the lower level and has been confirmed at Lake Vyrnwy, although precaution is taken to avoid in-splashing, by the provision of felt around the gauge. With the drainage gauges it may be supposed that in-splashing is more or less balanced by out-splashing, so that it is arguable that comparison with a rain-gauge set normally might be preferable. This assumption is made for the percolation gauges grouped in Table 11c.

A further point with regard to all these data is that the observations from evaporation, percolation and drainage gauges may be truly representative, at best, for only a small area near the immediate site. With the last two types of measurement this circumstance must be especially emphasized. There can be considerable variations in soil and sub-soil conditions within short distances, and where the percolation or drainage gauge carries a crop the representative nature of the readings

may also depend on the vigour of its growth in comparison with that of similar neighbouring crops. Moreover a percolation or drainage gauge cannot be constructed to provide any representative allowance for surface run-off which is very often a factor of some importance when considering any large natural surface.

Data for 1951.

Monthly and annual values of evaporation, as recorded at 15 stations in Great Britain, are given in Table 11b. The list of stations is the same as in 1950 except that the record for Amlaird Filters is not available.

For the year as a whole temperature and sunshine did not differ much from the average but some of the spring and summer months were sunny (April, May and June in Scotland; April, June and July in England and Wales). There were also some warm spells, and the mean evaporation for all 15 stations was slightly higher than the long-period average. The annual total for Ardsley, however, was the lowest since records began in 1901 and that at Lower Laithe was the lowest since 1931. At other stations the departures from average, whether positive or negative, were not remarkable.

Evaporation at Camden Square (London). Table 11a gives the monthly and annual extremes of evaporation over the 67 years 1885-1951. There are three changes from the Table for 1950, namely the two largest values in August and October, and the smallest (an excess of condensation over evaporation) for February. It is to be noted that the August value exceeded even that of August 1947, though the month was not very warm or sunny.

Table 11A Evaporation at Camden Square (London)

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
<i>Average</i>													
1885-1919	·10	·25	·66	1·51	2·43	2·91	2·97	2·33	1·38	·62	·25	·09	15·50
<i>Monthly Extremes 1885-1951</i>													
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Largest (in.)	·26	·64	1·22	2·48	3·25	4·36	4·86	4·24	2·38	1·26	·43	·32	21·58
Year	{ 1903 1949 }	1895	1945	1949	1901	1950	1949	1951	1906	1951	{ 1888 1945 }	1913	1949
Smallest (in.)	c·24	c·18	·16	·85	1·56	1·70	1·44	1·56	·68	·26	·02	c·14	12·60
Year	1948	1951	1947	1920	1898	1909	1888	1941	1896	1949	1892	1948	1888

NOTE : In the Table " c " indicates an excess of condensation over evaporation.

Table 11b Evaporation in 1951

List of Stations	County	Observer	Particulars of Tank			
			Height above		Side	Capacity
			Ground	Sea Level		
			ft. in.	ft.	ft. in.	Gals.
Camden Square	London	Royal Meteorological Society	0 3	111	6 0	450
Kew Observatory	Surrey	Meteorological Office ...	0 3	18	6 0	450
Rye (R.A.F. Station) ...	Kent	Meteorological Office ...	0 3	12	6 0	450
Otterbourne	Hampshire	J. Hawksley, Esq.	0 3	112	6 0	450
Rothamsted... ..	Hertfordshire	Lawes Agricultural Trust ...	0 3	420	6 0	450
Ormesby St. Michael ...	Norfolk	Gt. Yarmouth Waterworks...	0 3	21	6 0	450
Bartley Reservoir	Warwickshire	C.A. Risbridger, Esq., M.I.C.E.	0 3	611	6 0	450
Revesby Reservoir	Lincolnshire	D. H. Ball, Esq.	0 6	124	6 0	450
Southport	Central Lancashire ...	The Corporation	0 3	37	3 0	112
Ardsley Reservoir	Yorkshire W.R.	Wakefield Corp'n. Waterworks	0 3	392	6 0	450
Lower Laithe Reservoir ...	" "	Keighley Corp'n. Waterworks	0 6	772	6 0	450
Harrogate	" "	D. G. Davies, Esq., M.I.C.E.	0 3	549	6 0	450
Lake Vyrnwy (Exp'l Stn.)...	Montgomeryshire	Liverpool Corp'n. Waterworks	0 3	995	6 0	450
Wrexham	Denbighshire	S. E. Ashmore, Esq.	0 3	275	4 0	300
Talla Water	Peeblesshire	Edinburgh Waterworks ...	0 3	904	6 0	450

1951	Camden Square	Kew	Rye	Otterbourne	Rothamsted	Ormesby St. Michael	Bartley	Revesby	Southport
	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>
January	c·02	·26	·25	c·26	·20	·18	·36	·07	c·10
February	c·18	·28	·62	c·26	·58	·30	·21	·37	·08
March	·22	1·04	1·12	·91	1·30	·82	·64	·65	·38
April	1·50	2·36	2·54	2·07	2·35	1·58	1·68	1·66	1·33
May	2·08	2·83	2·98	2·62	2·65	2·17	2·25	1·78	2·04
June	4·12	4·57	4·02	3·70	4·42	2·78	3·11	2·38	3·04
July	4·06	4·23	4·17	3·68	4·01	2·56	2·96	2·50	2·97
August	4·24	3·45	2·69	2·80	2·79	1·94	2·33	2·05	1·93
September	2·12	2·06	1·59	1·35	1·75	1·45	1·42	1·24	1·50
October	1·26	1·00	·92	1·07	1·13	·89	·69	·63	·72
November	·19	·61	·24	·73	·65	·53	·33	·28	·32
December	·04	·45	c·11	·38	·25	·24	·33	·05	·25
Year	19·63	23·14	21·03 ...	18·79	22·08	15·44	16·31	13·66	14·46
Average 1908-42 ... ..	...	...	...	19·71	...	17·26	17·19	...	15·82
Difference ... ..	...	...	...	—·92	...	—1·82	—·88	...	—1·36

1951	Ardsley	Lower Laithe	Harrogate	Lake Vyrnwy	Wrexham	Talla Water	Mean of 15 records	Average 1908-1942
	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>	<i>in.</i>
January	·31	·14	·08	·23	·06	c·18	·11	·14
February	·44	c·14	·30	·46	·41	c·09	·23	·29
March	·45	·41	·36	·31	·99	·22	·65	·79
April	1·06	1·80	2·33	1·83	2·25	·95	1·82	1·62
May	1·33	1·84	2·91	2·13	2·57	2·19	2·29	2·53
June	2·36	2·76	3·66	2·73	3·49	2·95	3·34	3·07
July	2·36	2·41	3·13	3·05	3·76	2·07	3·19	2·98
August	1·77	1·89	2·78	2·22	2·60	1·20	2·45	2·44
September	1·68	1·34	2·10	1·50	1·79	1·00	1·59	1·59
October	·97	·59	·72	·67	·96	·55	·85	·84
November	·57	c·39	1·08	·69	·65	c·26	·41	·34
December	·32	c·53	·65	·95	·35	c·20	·23	·15
Year	13·62	12·12	20·10	16·77	19·88	10·40	17·16	16·78
Average 1908-42	17·59	15·10	19·53	...	...	...	...	...
Difference	—3·97	—2·98	+·57	...	...	...	+·38	...

NOTE: In the Table "c" indicates an excess of condensation over evaporation.

Percolation gauges. In Table 11c the data for 10 percolation gauges are given; the list of stations is the same as in 1950. In 1951 the mean calculated evaporation was 15.95 inches compared with the mean loss from 15 evaporation tanks of 17.16 inches. This difference may probably be accounted for by the dry and relatively warm spells when the evaporation gauges would be giving high readings, whilst the percolation gauges would be to a large extent dried out. At each station there was more rainfall but less evaporation than in 1950, which suggests that the distribution of rainfall was more uneven, rainy periods with considerable percolation and relatively little evaporation alternating with dry periods when evaporation was not great owing to drying out.

At *Farlington* the percolation gauges gave totals which ranged from 26.17 inches through the 24-inch gauge to 22.94 inches through the 48-inch gauge, corresponding to losses by evapo-transpiration of 16.13 inches and 19.36 inches respectively. There was little percolation through any of the gauges from May to October, and this period of six months accounted for about 80 per cent of the month-by-month loss measured by the 48-inch gauge. It would in fact account for a greater percentage of the year's evaporation since some of the precipitation received during the first four months would be evaporating from the gauge from May onwards, and the condition of the core at the end of October would have been, in 1951, very dry.

At *Rothamsted* the difference between the calculated evaporation obtained from the 20-inch gauge and that from the 60-inch gauge was, as usual, very small, suggesting that a 20-inch depth for a bare soil percolation gauge gives a close approach to the true value. The greatest differences between the two gauges were in summer when the greater holding capacity of the 60-inch gauge appeared to permit a rather greater amount of evaporation. The smaller differences in the winter half-year were mostly of opposite sign, repeating the

pattern sometimes observed in earlier years, and suggesting perhaps a lag effect rather than any real differences in the actual losses.

The two gauges at *Fleam Dyke* differ in the nature of their exposed faces, one being bare soil and the other grass, but the difference in the annual totals was this year not very great. It is most significant, perhaps, that in the wetter summer months the grassed gauge was able to use the whole of the precipitation while the bare soil gauge permitted appreciable percolation. The differences in the winter months may again be in part due to a lag effect, particularly in the early months of 1951, during which the soil would still be to some extent affected by the wet November of 1950. At any rate there was greater percolation through the bare soil gauge than the grassed gauge in November 1950, and conversely in each subsequent month up to April 1951.

At *Harrogate* there was some percolation in all months, a usual feature. The rainfall was very much greater than in 1950 and the calculated evaporation was rather less, in keeping with the remarks above about the uneven distribution of precipitation, especially during the summer months. There is again an indication of a definite lag, since the percolation for November exceeded the large rainfall amount. As more than a third of the October rainfall occurred during the last three days of the month, and the end of November was relatively dry, this is probably in large measure a short-term lag; on the other hand the very wet August and the additional contribution of September may also account for a part of the November difference.

Drainage gauges. The 1951 data for the drainage gauges at Prescot and Lake Vyrnwy, supplied by the Engineer, Liverpool Corporation Waterworks, are set out in Table 11d. In 1951 as in 1950 there was more seepage through the turfed soil than the bare at Prescot, a reversal of the usual relationship observed since 1943. The amounts of calculated evaporation for the year as a whole were not

significantly different from those in 1950, though the rainfall was appreciably greater. The explanation may again be looked for in the distribution of dry and wet periods (which in general do not correspond at all well with the arbitrary calendar months, so that the totals quoted in the Table are not a fully

reliable guide). At Lake Vyrnwy the rainfall was not appreciably greater than in 1950, and the calculated evaporation though rather less was perhaps not significantly so. The greater evaporation at Prescott coupled with much smaller rainfall than at Lake Vyrnwy again comes out very strikingly.

Table 11D Drainage Observations in 1951

1951	Prescot, Lancashire			Lake Vyrnwy, Montgomery				
	Rainfall	Seepage* Gauges		Rainfall	Seepage* Gauges		Percolation† Gauges	
		Bare Soil	Turfed Soil		No. 1 Bare Soil	No. 2 Turfed Soil	No. 3 Grass covered over chalk	No. 4
	in.	in.	in.	in.	in.	in.	in.	in.
January	3.70	3.44	3.04	8.35	7.52	7.71	7.84	7.76
February	2.37	1.92	1.83	8.32	8.33	8.19	7.55	7.80
March	5.00	3.63	4.01	6.80	6.62	6.61	6.31	6.56
April	1.97	.54	.94	5.70	4.69	4.92	4.91	4.81
May	3.23	.95	1.24	3.70	2.25	2.32	2.17	2.21
June	1.02	.05	.00	2.05	.47	.15	.13	.13
July	2.43	.01	.09	2.90	.57	.31	.02	.02
August	5.60	1.79	1.68	7.35	5.26	5.05	5.13	5.28
September ..	3.91	.84	1.03	6.48	5.41	5.54	5.42	5.26
October	1.09	.11	.27	1.89	1.29	1.41	1.30	1.33
November ..	9.00	7.31	7.99	11.20	10.79	11.09	10.77	10.79
December ..	5.67	5.23	5.54	12.70	12.03	12.30	12.23	11.96
Year	44.99	25.82	27.66	77.44	65.23	65.60	63.78	63.91
Soil Evaporation ..	..	19.17	17.33	..	12.21	11.84	13.66	13.53

* 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.

M.O. 565a.

METEOROLOGICAL OFFICE, AIR MINISTRY

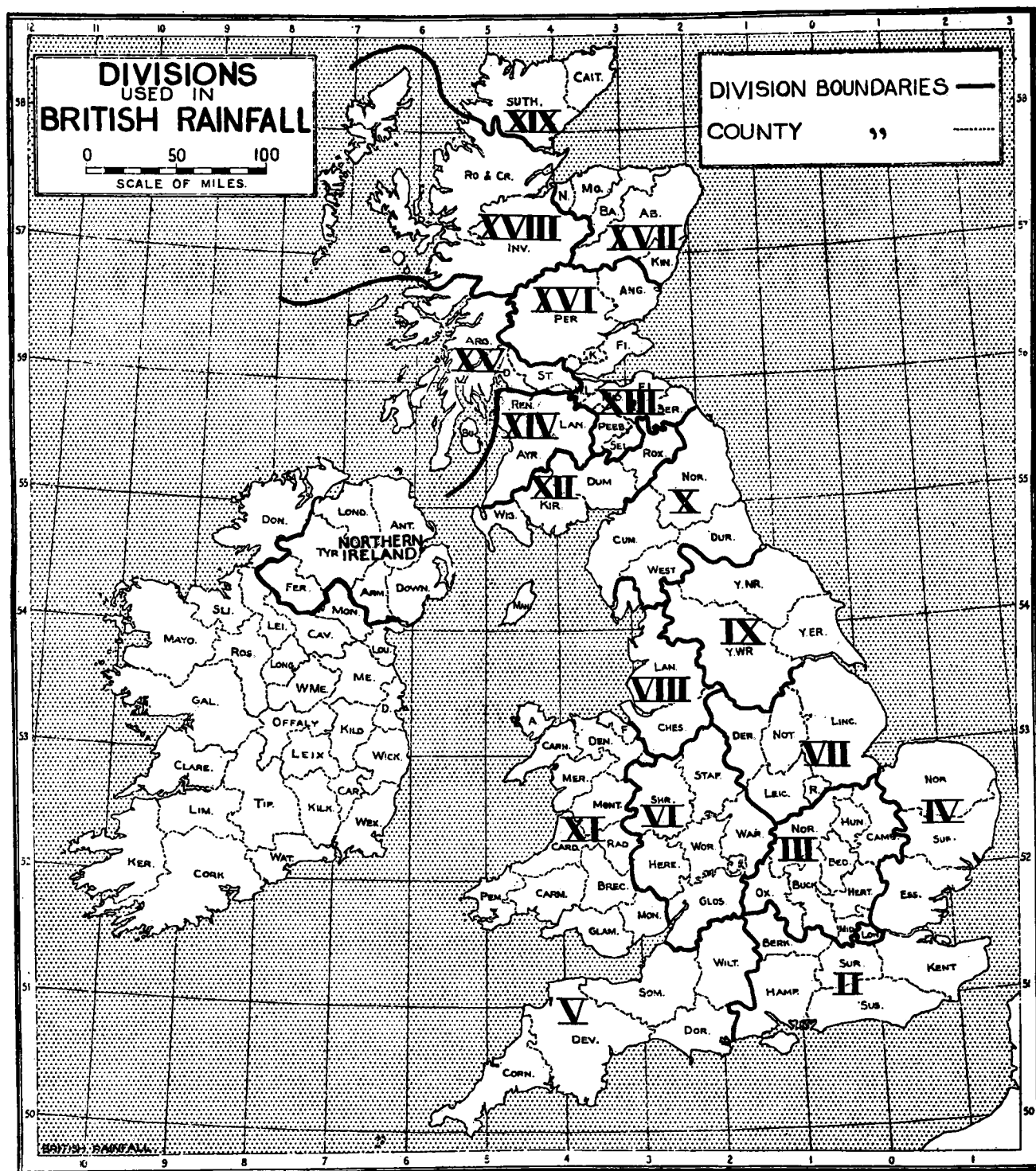
BRITISH RAINFALL ORGANIZATION

BRITISH RAINFALL, 1951

PART II

General Table of
TOTAL RAINFALL IN 1951
AT STATIONS IN GREAT BRITAIN AND
NORTHERN IRELAND WITH THE NAMES OF
THE OBSERVERS OR OTHER AUTHORITIES
FOR THE OBSERVATIONS





General Table of Total Rainfall in 1951

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 facing this page.

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.*, "Godalming (Eashing)" means Eashing, near Godalming. There is an exception where the position of stations on open moors can be related better to a waterworks 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 printed in ordinary type if they are either the mean of the annual values for the standard period 1881 to 1915, or, with shorter records, if they have been reduced by accepted methods to the standard period. In such cases all the available information has been used in the computation of the averages, means for stations with short records being weighted to the standard period 1881 to

1915 by comparison with nearby stations with records complete from 1881 to date. Averages determined by authorities other than the Meteorological Office are printed in italics, since they may subsequently be revised. The average is also given in italics if it is the mean for twenty or more years other than the standard period or if the mean has been weighted to some other period. Averages for the standard period of 35 years 1881 to 1915, are always preferred for entry in the table.

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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England and Wales

DIVISION I—LONDON (Area 117 sq. mi.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of Rim above Ground		Height of Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
1.—THAMES. Right Bank Tributaries. 67 sq. mi.									
BERMONDSEY									
D Southwark Park	London County Council ...	5	1	0	9	24.4	31.09	183	127
LAMBETH									
D Brockwell Park	(+A) London County Council ...	5	1	0	144	23.8	33.02	184	134
D Brixton Hill Reservoir	Metropolitan Water Board	5	1	0	121	23.9	32.72	180	145
BATTERSEA									
d Battersea Park	London County Council ...	5	1	0	13	23.2	32.60	159	140
WANDSWORTH									
D Streatham (Conyers Road)	Metropolitan Water Board	5	1	7	113	23.3	31.71	163	137
D Streatham Hill Reservoir	Metropolitan Water Board	5	1	0	202	23.3	32.91	175	143
D Putney Heath Reservoir	(+A) Metropolitan Water Board	5	1	0	184	...	33.14	201	144
D Streatham (Furzedown Rec. Ground)	H. W. Tee, Esq., C.E. ...	5	1	6	89	24.7	36.67	183	143
D Southfields (Coronation Gardens)	H. W. Tee, Esq., C.E. ...	5	1	6	37	23.6	31.29	188	130
d Dulwich (Belair)	J. J. Heasman, Esq. ...	5	1	0	150	...	34.05	167	122
CAMBERWELL									
D Nunhead Reservoir	Metropolitan Water Board	5	1	0	175	...	30.87	173	132
DEPTFORD									
D Telegraph Hill	London County Council ...	5	1	0	155	...	31.27	178	131
D Waterworks	Metropolitan Water Board	5	1	0	20	23.0	31.12	156	130
GREENWICH									
D Deptford Pumping Station	(+A) London County Council ...	8	2	8	13	22.4	31.07	171	132
D ROYAL OBSERVATORY	Astronomer Royal ...	8	0	5	149	23.5	32.53	197	135
LEWISHAM									
D Catford Hill (Exbury Road)	Rev. T. R. Price, M.A. ...	8	2	0	66	...	31.09	176	133
D Forest Hill Reservoir	(+A) Metropolitan Water Board	5	1	0	339	...	33.55	179	132
WOOLWICH									
d §Eltham (High Street)	(+A) Metropolitan Water Board	5	1	0	245	23.2	31.89	...	...
2.—THAMES. Left Bank Tributaries. 50 sq. mi.									
KENSINGTON									
D Holland House... ..	Mr. P. B. Rintoul ...	5	1	0	68	23.9	30.80	174	140
D Campden Hill Reservoir	Metropolitan Water Board	5	1	0	138	24.5	30.75	177	141
D KENSINGTON PALACE	(+A) Ministry of Works, for M.O.	5	1	0	80	24.2	31.96	191	140
HAMMERSMITH									
D Pumping Station	(+A) London County Council ...	5	6	0	19	23.2	30.58	191	143
FULHAM									
D Bishop's Park	(+A) Borough Engineer ...	5	1	4	15	22.6	32.03	186	141
CHELSEA									
d Physic Garden	Curator ...	5	1	0	20	23.4	29.82	184	137
WESTMINSTER									
D Western Pumping Station	(+A) London County Council ...	8	1	9	16	...	29.51	173	137
D Buckingham Palace	Mr. A. J. Cole ...	5	8	0	35	23.5	32.09	174	139
D ST. JAMES'S PARK	(+A) Ministry of Works, for M.O.	8	1	0	27	22.4	33.66	200	149
ST. MARYLEBONE									
D REGENT'S PARK... ..	Ministry of Works, for M.O.	5	1	0	129	...	31.91	175	141
HAMPSTEAD									
D Kidderpore Reservoir	Metropolitan Water Board	5	1	0	328	...	35.19	182	150
D OBSERVATORY	(+A) Hampstead Scientific Society (E. L. Hawke, Esq., M.A.)	8	1	0	450	...	34.68	199	151
D Golders Hill Park	London County Council ...	5	1	0	350	26.2	35.70	194	146

§ Turf wall round gauge.

DIVISION I—LONDON—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of Rim above Ground		Ground above Sea Level		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
2.—THAMES. Left Bank Tributaries—(contd.).		in.	ft.	in.	ft.	in.	in.		
ST. PANCRAS									
D CAMDEN SQUARE (+A)	Royal Meteorological Soc.	5	1	0	110	24·5	32·19	187	138
STOKE NEWINGTON									
D New River Filter Beds	Metropolitan Water Board	5	1	0	101	23·1	32·91	178	150
D New River Res. (Lordship Rd.) (+A)	Metropolitan Water Board	5	1	0	105	23·5	32·66	184	144
HACKNEY									
D Clapton Pond (+A)	Borough Engineer	5	1	0	68	22·8	33·50	190	138
FINSBURY									
d New River Head (+A)	Metropolitan Water Board	5	1	0	95	...	32·39	...	...
BETHNAL GREEN									
D Victoria Park	London County Council ...	5	1	0	43	23·1	34·84	170	144
POPLAR									
D Isle of Dogs (Island Gardens)... ..	London County Council ...	5	1	0	18	21·9	29·07	177	132
D Old Ford Pumping Station	Metropolitan Water Board	5	0	6	618	22·9	31·91	182	133
D Old Ford (Penstock House)	London County Council ...	8	0	10	39	22·4	29·02	168	129
WOOLWICH									
D Barking Outfall	London County Council ...	5	0	10	24	20·8	29·67	173	128

DIVISION II—SOUTH-EASTERN COUNTIES

SURREY. (Area, 725 sq. mi.)

1.—ARUN. 45 sq. mi.									
D Chiddingfold (Chiddingfold House) ...	L. J. E. Hooper, Esq. ...	5	0	9	200	31.0	47.05	201	157
D Godalming (Burgate)	Major J. Godman	5	1	0	320	...	46.70	202	164
2.—MEDWAY. 50 sq. mi.									
D East Grinstead (Lockeridge)	Lt.-Col. J. F. Forbes, D.S.O.	5	1	0	320	31.6	43.68	182	151
D Dormans Park (Chartham Park)	I. D. Margary, Esq. ...	5	1	0	270	31.2	45.26	205	147
D Dormans Park (Yew Lodge)	Mrs. I. D. Margary ...	5	1	0	260	30.6	45.83	191	154
D Lingfield (Wembury Park)	C. W. Wheeler, Esq. ...	5	1	0	211	...	42.98	194	146
D Lingfield (Sewage Works) ... (+A)	Godstone R.D.C.* ...	5	1	0	155	28.2	39.67	193	142
D Limpsfield (Red Lane Farm)	Capt. B. Crewdson ...	5	1	0	281	...	40.54	233	164
D Limpsfield & Oxted Sewage Works (+ A)	Godstone R.D.C.* ...	5	1	0	236	...	40.71	205	154
M Limpsfield (Kent Hatch Res.)... ..	East Surrey Water Co.	5	1	0	664	...	39.83	...	...
D Godstone (Ouborough)	J. V. Rank, Esq. ...	5	1	6	400	30.7	44.70	238	153
3.—THAMES. Darent. 22 sq. mi.									
D Westwood (Pumping Station)	East Surrey Water Co.	5	1	0	418	28.5	41.87	204	162
D Warlingham Park Hospital	Croydon Corporation ...	8	1	0	600	32.0	39.12	205	148
D Addington (Hares Bank Pump. Stn.)	Croydon Corporation ...	8	1	0	331	28.4	39.76	210	150
D Addington (Abbotswood)	H. C. Hawkins, Esq. ...	5	0	11	460	...	38.01	193	144
D ADDINGTON Hills Reservoir	Croydon Corporation ...	8	1	0	472	27.9	39.21	192	141
4.—THAMES. Wandle. 71 sq. mi.									
D Kingswood (Margery Hall Res.)	Sutton District Water Co.	5	1	0	691	30.2	45.64	201	161
d Kingswood (The Chase)	H. J. Gosney, Esq. ...	5	1	0	550	...	45.97	214	160
Woldingham Reservoir		5	1	0	841	32.9	44.25	...	...
D Caterham Reservoir	East Surrey Water Co.	5	1	0	704	32.5	44.24	199	162
D Caterham (Alderstead Heath)... (+A)	Coulson & Purley U.D.C.*	5	1	0	577	31.4	44.72	217	163
D Chelsham & Woldingham W.W.	East Surrey Water Co.	5	1	0	478	32.5	42.67	204	157
D Caterham (White Knobs Way)	Miss V. K. Isaac ...	5	1	0	500	...	45.45	219	169
D Banstead (Burgh Heath Res.)	Sutton District Water Co.	5	1	0	582	30.8	41.26	198	152
D Chipstead (How Green Res.)	Sutton District Water Co.	5	1	0	528	31.1	42.37	200	158
d Coulson (The Vale)	H. E. W. Hollobone, Esq.	5	1	6	318	...	42.97	194	157
d Kenley (Refuse Disposal Works)	Surveyor	5	1	0	286	29.7	45.79	...	...
D Kenley (Pumping Station)	East Surrey Water Co.	5	1	0	275	29.0	41.21	188	152

* Per Surrey County Council.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground above Sea Level		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.		ft.				in.	in.
SURREY—(contd.).									
4.—THAMES. Wandle—(contd.).									
D Woodcote Park Golf Club ...	(+A) Coulsdon & Purley U.D.C.*	5	1	0	450	28.1	39.53	208	154
d Banstead Mental Hospital ...	Engineer-in-Charge ...	5	4	8	410	...	41.85	188	153
D Purley (Selcroft Road) ...	late E. W. Finch, Esq. ...	5	1	0	400	28.7	39.17	193	147
D Purley (Woodcote Valley Road) ...	C. Stuart Bailey, Esq. ...	5	1	0	310	29.5	40.05	200	153
D Purley (Pumping Station) ...	East Surrey Water Co. ...	5	1	0	214	29.3	40.70	196	149
D Sanderstead ...	M. J. Rawlinson, Esq. ...	5	1	0	408	...	40.61	204	146
D Purley (Pampisford Road) ...	C. Knight, Esq. ...	5	0	6	250	...	39.94	194	150
D Sanderstead (Beechwood Road) ...	G. M. Davies, Esq....	5	1	0	320	...	40.54	189	149
D CROYDON Airport ...	(+A) Meteorological Office ...	5	1	0	201	26.7	36.49	189	141
D Croydon (Cromham Valley Road) ...	F. A. Reynolds, Esq. ...	5	1	0	350	...	38.86	180	146
D Carshalton (Pumping Station) ...	Surveyor, U.D.C. ...	5	1	0	84	25.9	34.81	179	143
D Beddington (Sewage Farm) ...	Croydon Corporation ...	5	1	0	129	24.5	36.45	191	138
D Beddington Park ...	(+A) Borough Council* ...	5	1	0	108	24.1	36.56	186	146
d Beddington Corner (Millgreen Rd.) ...	Messrs. G. Miller & Sons ...	5	1	3	77	...	37.86	179	146
D Thornton Heath (Grange Park Road) ...	A. R. Pearce, Esq. ...	5	1	0	287	...	34.60	187	143
D Mitcham (London Road) ...	(+A) Mitcham Borough Council*	5	0	11	62	22.6	34.25	199	139
D Wimbledon (Durnsford Rd.) ...	(+A) T. Webster, Esq., C.E.* ...	5	1	0	58	22.6	32.77	199	144
5.—THAMES. Mole & c. 229 sq. mi.									
D HORLEY (Worth Park Nurseries) ...	F. M. Gurteen, Esq. ...	5	1	0	195	...	43.26	195	149
D Horley (Tinsley Sewage Works) (+A)	A. J. W. McIntosh, Esq. ...	5	1	0	210	...	42.86	193	149
D Horley (Yew Trees) ...	Miss M. Macleod ...	5	1	0	180	...	41.05	190	149
D Dorking (Bramerton) ...	Rev. James F. Twist ...	5	1	0	300	32.1	48.06	202	165
D Dorking (Cliftonville) ...	E. W. Pollard, Esq., B.Sc. ...	8	1	6	300	...	46.37	180	138
D Ranmore (Denbies) ...	Mr. S. C. Westbrook ...	5	1	0	620	...	48.07	197	163
D Dorking (Pixham Lane S. Wks.) (+A)	Dorking U.D.C.* ...	5	1	0	138	29.8	44.06	199	160
D Earlswood (Sewage Farm) ...	(+A) G. G. Sanderson, Esq., C.E.*	5	1	6	196	27.2	40.96	199	155
D Redhill (London Road) ...	East Surrey Water Co. ...	5	1	0	270	28.4	41.39	208	156
D Reigate (Wray Park Road) ...	W. J. MacAndrew, Esq. ...	5	1	0	330	29.8	43.19	195	160
D Reigate (Castle Grounds) ...	G. G. Sanderson, Esq., C.E.	5	2	0	320	29.3	40.53	194	154
D Bletchingley (South Park Farm) ...	Major U. H. Lambert ...	5	1	4	340	28.7	41.75	195	158
D Merstham (Gatton Point) ...	C. F. Bull, Esq. ...	5	1	0	300	29.2	41.61	215	156
D MICKLEHAM (Juniper Hall) ...	C. Promotion Field Studies ...	5	1	0	179	...	41.83	197	152
D Effingham Reservoir ...	East Surrey Water Co. ...	5	1	0	363	29.3	43.49	...	...
D Headley Reservoir ...	East Surrey Water Co. ...	5	1	0	629	32.0	44.92	196	158
D Merstham (Merstham Lodge) ...	J. F. E. Goad, Esq. ...	5	0	11	500	...	46.95	227	168
D Headley (The Hurst) ...	Mrs. Lyall ...	5	1	0	420	30.6	44.52	199	164
D Leatherhead (Elmer Softening Wks.)...	East Surrey Water Co. ...	5	1	0	168	...	41.02	196	149
D Fetcham (Home Farm) ...	W. H. E. Rivett, Esq. ...	5	1	0	164	...	41.63	191	157
D Leatherhead (Thorncroft Manor) ...	Brit. Elec. & Allied Industries	5	1	0	108	...	41.42	232	150
d Leatherhead (Tyrrells Wood) ...	E. H. Cutbill, Esq. ...	5	1	0	410	...	42.31	...	...
D Tadworth ...	Mrs. Blaxland ...	5	1	4	600	31.7	47.25	230	185
D Tadworth (Pumping Station) ...	Banstead U.D.C. ...	5	1	0	405	...	41.97	209	155
d Ashted (Park Lane) ...	G. R. Crompton, Esq. ...	8	1	0	318	...	41.06	207	157
D Leatherhead (Sewage Works) (+A)	F. J. Southam, Esq.* ...	5	1	0	104	25.9	38.87	192	152
D Epsom (Downs Road) ...	T. N. Young, Esq., M.B.E.	5	1	0	400	...	41.50	208	150
D Cobham (Towngate) ...	E. Boughton, Esq. ...	5	1	0	160	...	36.54	196	137
D Epsom College ...	S. A. Weare, Esq. ...	8	1	6	300	26.9	39.70	213	144
D Cobham (Sewage Works) ...	Esher U.D.C. ...	8	1	0	71	...	34.66	199	135
D Banstead Grange ...	Mrs. Powell ...	5	0	10	390	...	42.37	191	151
D Epsom (Sewage Farm) ...	Surveyor* ...	8	1	0	125	...	39.53	207	151
D Epsom (Waterworks) ...	T. N. Young, Esq., M.B.E.	5	1	0	150	...	40.09	210	144
D Whiteley Village ...	Whiteley Homes Trust ...	8	3	4	190	24.3	33.45	213	143
D Claygate (Hertslets) ...	N. C. Armitage, Esq. ...	5	1	0	106	23.8	31.76	211	137

* Per Surrey County Council.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above Ground	Ground above Sea Level				·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SURREY—(contd.).									
5.—THAMES. Mole & c.—(contd.).									
D Sutton (Waterworks) ...	... Sutton District Water Co.	5	1	0	161	25·4	36·35	189	146
D Sutton (Sewage Works) ...	(+A) N. H. Michell, Esq., C.E.*	5	1	0	99	24·7	35·00	189	138
D Epsom (Ruxley Lane S. Wks.) ...	(+A) Surveyor* ...	5	1	6	76	23·2	34·53	182	138
D Weybridge (Weyland S. Wks.) ...	(+A) Walton & Weybridge U.D.C.*	5	1	0	50	22·8	33·17	202	134
D Esher (Sewage Works) ...	(+A) Esher U.D.C. ...	5	2	0	44	...	32·05	199	141
d Esher (Penlea) ...	... P. W. Partridge, Esq. ...	5	0	11	35	...	32·44	...	130
D Worcester Park (Sewage Wks.) ...	(+A) N. H. Michell, Esq., C.E.*	5	1	0	68	24·4	35·99	192	137
D Old Malden (Sports Ground) ...	(+A) Malden & Coombe B.C.* ...	5	0	8	64	24·3	35·35	179	141
D Morden Hall ...	(+A) R. W. North, Esq., C.E.* ...	5	1	2	117	...	34·77	188	135
D Surbiton (Seething Wells) ...	... Met. Water Board ...	5	0	10	34	24·5	34·00	193	143
D Surbiton (Sewage Disp. Wks.) ...	(+A) Borough Engineer* ...	5	1	0	51	23·1	31·92	187	135
D West Molesey (Walton Works) ...	... Met. Water Board ...	5	1	0	35	23·1	31·76?	198	138
D New Malden (Sewage Wks.) ...	(+A) Malden & Coombe B.C.* ...	5	0	10	51	22·8	30·26	189	135
D New Malden (High Drive) ...	... Mrs. Ben. G. Brame ...	5	1	0	60	24·1	33·32	197	146
D New Malden (Acacia Grove) ...	... A. C. Josling, Esq. ...	5	1	0	50	...	33·36	211	138
D Kingston (Canbury Gardens) ...	(+A) G. C. Stedman, Esq.,* ...	5	1	0	25	22·7	31·58	192	133
D Merton Park (Mostyn Road) ...	... A. T. Bench, Esq. ...	5	1	0	55	...	35·53	198	139
D Merton (Joseph Hood Rec. Ground) ...	... R. W. North, Esq., C.E. ...	5	1	0	48	23·5	34·43	197	145
D Raynes Park (Cottenham Park P.S.) ...	... T. Webster, Esq., C.E.* ...	5	1	0	50	23·9	32·79	197	134
D New Malden (Kingston Vale) ...	(+A) Malden & Coombe B.C.* ...	5	1	1	47	...	33·80	190	145
D Richmond (Terrace Gardens) ...	... G. Humphreys, Esq. ...	5	1	3	29	23·5	32·38	189	145
D East Sheen (Cemetery) ...	(+A) Barnes Corporation* ...	5	0	10	88	22·4	32·34	190	147
D KEW OBSERVATORY ...	(+A) Meteorological Office ...	8	1	0	18	23·8	30·05	185	135
D Barnes (Barn Elms) ...	... Metropolitan Water Board ...	5	1	0	16	22·9	31·39	188	140
6.—THAMES. Wey. 236 sq. mi.									
D Shottermill (Sewage Works) ...	(+A) Surveyor* ...	5	1	7	381	35·2	52·16	224	168
D Haslemere (Church Hill) ...	... T. M. Shewell, Esq. ...	5	1	0	520	...	55·22	215	170
D Hindhead (Waterworks) ...	... Wey Valley Water Co. ...	5	1	0	839	34·5	51·15	209	163
D Churt (Firdown) ...	... W. E. Livock, Esq. ...	5	1	0	490	...	48·92	199	164
d Cranleigh (Lambwood) ...	... Cranleigh Water Co. ...	5	0	10	300	...	48·17	198	171
D Cranleigh (Sewage Works) ...	... Surrey County Council ...	5	1	0	154	...	44·32	201	162
D Hascombe (Olivers) ...	... Miss F. C. Musgrave ...	5	1	2	361	31·7	48·58	202	167
D Hascombe (Winkworth Hanger) ...	... J. H. Wenham, Esq. ...	5	1	0	430	...	46·37	197	162
d Witley (King George V Sanatorium) ...	... Dr. J. V. Hurford ...	5	1	0	305	30·7	45·09	...	160
D Ewhurst (Copse Hill) ...	... Mr. A. P. Clow ...	5	1	6	670	...	46·54	196	169
d Ewhurst (Coneyhurst) ...	... Mrs. M. D. Hollowood ...	8	0	9	600	...	46·61	...	...
D Ewhurst (Woolpit) ...	... F. Butterick, Esq. ...	5	1	0	600	32·3	48·61	205	169
d Godalming (Munstead Heath) ...	... Mrs. M. M. Hodson ...	5	1	0	550	30·3	43·10	170	153
D Godalming (Ockford Pumping Stn.) ...	... Engineer and Manager ...	8	1	0	152	...	44·39	200	157
d Milford (Kennel Moor) ...	... G. S. Sansom, Esq., D.Sc. ...	5	1	0	180	...	45·06	...	...
D Godalming (Kingscote) ...	... Rev. F. P. Synge ...	5	2	0	280	...	43·02	213	160
D Godalming (Borough Road P.S.) ...	... Engineer and Manager ...	8	1	0	120	28·7	42·21	201	164
D FARNHAM (ROWLEDGE) ...	... D. H. Gordon, Esq. ...	5	1	0	300	...	43·96	208	161
D Farnham (Little Park) ...	... Major G. A. Moxon ...	5	1	0	400	...	43·31	184	153
D Holmbury St. Mary (Feldemore) ...	... Mr. W. E. Hobday ...	5	2	0	500	32·0	50·83	189	168
D Peaslake (Southcote) ...	... J. S. Moffat, Esq. ...	5	1	0	420	33·1	50·47	211	175
D Abinger Common (Furzen Wood) ...	... Major E. J. Lugard, D.S.O. ...	5	1	0	555	31·0	46·60	211	164
D Shere (Combe End) ...	... B. R. Warren, Esq. ...	8	1	3	294	...	47·07	188	166
D Shalford (Unstead Sewage Works) ...	... Borough Surveyor ...	5	1	6	120	...	45·87	203	162
D Shalford (The Hutch) ...	... Capt. G. C. Pentland ...	5	1	2	180	...	43·85	204	159
d Farnham (Wrecclesham) ...	... Mrs. Sotherby ...	8	1	0	360	...	41·32	...	...
D Farnham (West Street) ...	... Capt. A. M. H. Fergus ...	5	1	0	230	...	43·53	199	158
D Farnham (Sewage Works) ...	... Engineer & Surveyor ...	5	1	0	245	...	45·53	187	164

* Per Surrey County Council.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SURREY—(contd.).									
6.—THAMES. Wey—(contd.).									
d Seale (Binton Cottage) ...	... J. R. Colyer, Esq. ...	5	1	0	310	...	43·86	197	180
D Chilworth (Braunston) ...	... E. Ramsay, Esq. ...	5	0	11	170	...	43·71	209	153
D FARNHAM (Castle Street) ...	... A. C. Hunt, Esq. ...	5	1	0	256	...	40·90	199	156
d Puttenham (Berthorpe) ...	... Miss R. Tuckwell ...	5	1	0	350	28·3	42·25	...	...
D Farnham (Beechwood) ...	... Mrs. K. M. Lewis ...	5	1	0	275	...	40·34	179	158
D Guildford (Onslow Village) ...	... C. O. Hunt, Esq. ...	5	0	9	300	...	41·19	202	154
D Guildford (Avonmore Avenue) ...	... Mrs. M. H. Fulk ...	5	1	0	184	...	42·68	199	160
D Guildford (Boxgrove School) ...	... Capt. V. H. Holroyd, F.R.G.S. ...	5	1	0	200	...	38·92	191	153
D Guildford (Joseph's Road) ...	(+A) Borough Surveyor* ...	5	1	2	98	25·0	38·24	185	152
D Guildford (Burpham) ...	... V. B. Longhurst, Esq. ...	5	1	0	105	...	39·13	204	160
d West Clandon Quarry ...	... Agric. Contractors Ltd. ...	8	1	0	...	...	40·98	...	...
D West Clandon ...	... J. Dalrymple, Esq., C.E. ...	8	1	0	319	28·5	43·13	204	162
East Horsley (Ethandown) ...	... Basil D. Tims, Esq. ...	5	0	9	280	...	43·71	...	...
D Pirbright (Bakersgate) ...	... The Hon. Charles J. L. Lyle ...	5	1	0	120	...	39·55	194	159
D Old Woking (The Gresham Press) ...	... Unwin Bros. Ltd. ...	5	1	0	50	...	35·37	202	155
D Woking (The Grange) ...	... Miss M. E. Wilson ...	5	1	0	81	...	37·20	194	155
d Old Woking (Sewage Works) ...	... Woking U.D.C. ...	5	1	0	76	24·9	34·54	195	149
D Woking (Council Offices) ...	(+A) Woking U.D.C. ...	5	1	0	132	25·0	34·85	188	151
D Woking (Percy Street) ...	... J. Dalrymple, Esq., C.E. ...	8	1	0	100	...	34·04	...	...
d Woking (Goldsworth Road Depot) ...	... Woking U.D.C. ...	5	1	0	96	25·3	36·04	...	...
D Byfleet (WISLEY R.H.S. Gardens) ...	... Director ...	8	1	0	150	24·1	34·73	188	140
D Wisley (Outfall Works) ...	... Woking U.D.C. ...	5	1	0	53	24·5	34·28	186	149
D West Byfleet (County Sec. School) ...	... R. T. Elvidge, Esq. ...	5	1	0	90	...	35·54	194	142
d West Byfleet (Scotland Bridge) ...	... Woking U.D.C. ...	5	1	0	67	...	35·17	...	...
D Addlestone ...	... W. V. Davies, Esq., C.E. ...	8	1	0	46	24·0	33·49	193	142
D Weybridge (Oil Mills) ...	... A. Whittet & Co. Ltd. ...	5	1	0	36	23·7	35·91	178	157
D Walton-on-Thames (Waterworks) ...	... West Surrey Water Co. ...	5	1	4	33	23·0	32·75	188	147
7.—THAMES. Bourne. 55 sq. mi.									
D Chobham (West End) ...	... F. A. Walter, Esq. ...	5	1	0	150	25·8	40·24	208	153
D West Byfleet (N. Zealand Golf Club) ...	Secretary ...	5	1	7	100	...	34·14	199	153
d Bagshot ...	... J. Waterer, Sons & Crisp, Ltd. ...	5	0	11	270	...	39·46	179	148
D Windlesham (Woodside) ...	... A. R. F. Bosman, Esq. ...	5	0	11	250	...	37·94	188	146
d Weybridge (Veterinary Lab.) ...	... Director ...	5	1	0	56	...	32·32	...	...
D Weybridge (St. George's College) ...	... Rev. C. K. Bryant ...	5	1	0	46	...	33·82	181	139
d Chertsey (Long Cross) ...	... Lord Brabazon of Tara ...	5	1	6	150	...	34·80	...	...
D Chertsey ...	... W. V. Davies, Esq., C.E. ...	8	1	0	42	23·3	34·30	216	140
D Chertsey (Abbey Meads) ...	... J. Dalrymple, Esq., C.E. ...	5	0	9	53	23·0	31·17	183	135
D Chertsey (Lyne Farm Sewage Works) ...	... Surrey County Council ...	5	1	0	93	...	31·97	201	145
D Egham (Englemede) ...	... Major Ramsay Feilden ...	5	1	4	265	...	35·26	160	142
D Egham (Waterworks) ...	... S.W. Suburban Water Co. ...	5	1	0	54	...	34·38	178	137
8.—THAMES. Loddon. 17 sq. mi.									
D Frimley (Pumping Station) ...	... Mid-Wessex Water Co. ...	5	1	7	213	...	38·30	188	153
D Camberley (Sewage Works) ...	... Surrey County Council ...	5	1	0	198	26·4	38·36	191	150
KENT. (Area, 1,532 sq. mi.)									
1.—ROTHER & C. 217 sq. mi.									
D RYE (R.A.F. Station) ...	(+A) Meteorological Office ...	5	1	0	12	...	35·50	180	136
D Brookland (Poplar Hall) ...	... Major J. R. Ainslie, B.Sc. ...	5	2	0	12	...	35·75	188	131
D Wittersham (Mount Pleasant) ...	... N. Lang-Smith, Esq. ...	8	1	0	200	...	40·94	195	161
D Stone (Huggets Farm) ...	... G. L. Billson, Esq. ...	5	1	0	140	...	39·17	182	147
D Dymchurch (Slieve Truim) ...	... D. Hamill Morton, Esq. ...	5	1	0	9	...	35·72	178	141

* Per Surrey County Council.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
		in.	ft.	in.	ft.	in.	in.		
KENT—(contd.).									
1.—ROTHER & C.—(contd.).									
d Sandhurst (Field Green) ...	J. L. Tweedie, Esq. ...	8	1	0	199	...	38·08	...	...
D Kenardington (The Firs) ...	Cmdr. F. H. Lyon, D.S.O. ...	5	1	2	65	...	35·56	194	150
d Tenterden (East Hill) ...	Urban District Council ...	5	0	8	179	...	36·76	166	141
D Hythe ...	Borough Surveyor ...	5	1	1	0	28·0	40·50	198	150
D Hythe (Seabrook Road) ...	C. R. Lilburn, Esq. ...	5	1	6	0	...	34·22	182	147
D Hythe (Sandling Park) ...	Major A. E. Hardy ...	8	1	0	260	...	40·42	183	154
D Bonnington Rectory ...	D. W. J. Sampson, Esq. ...	5	1	0	45	...	34·59	184	142
D Saltwood (Cylinder) ...	Miss M. Lethbridge ...	5	1	0	230	...	39·59	181	150
D FOLKESTONE (The Leas) ...	(+A) Borough Engineer ...	5	1	0	128	28·6	34·16	188	141
D Folkestone (Cherry Garden) ...	Folkestone W.W. Co. ...	5	1	6	230	29·1	41·39	195	156
D Alkham (Lower Standen) ...	Folkestone W.W. Co. ...	5	1	0	250	...	43·13	196	160
D DOVER (Waterloo Crescent) ...	Borough Engineer ...	5	1	0	19	28·2	38·30	186	152
d Dover (Waterworks) ...	Borough Engineer ...	5	1	0	200	...	38·24	161	142
D Dover (Buckland) ...	Guy Mannering, Esq. ...	8	1	6	50	...	42·04?	181	144
D DOVER (ROYAL MILITARY SCHOOL) ...	Headmaster ...	5	1	0	402	...	42·28	199	155
2.—STOUR & C. 386 sq. mi.									
D LYMPNE Airport ...	(+A) Meteorological Office ...	5	1	0	346	26·7	36·11	189	143
D Lyminge (Elham Valley W.W.) ...	Philip Harris, Esq. ...	5	1	6	445	...	41·36	186	159
D Elham (Ottinge) ...	S. G. Holmans, Esq. ...	5	1	9	300	...	45·29	187	154
D Ashford (Gas Works) ...	L. G. Kimmins, Esq. ...	5	1	0	125	...	37·36	194	151
D Ashford ...	Headley Bros., Ltd. ...	5	1	0	190	...	40·66	214	167
D Ashford (Albert Road) ...	A. E. Brounger, Esq. ...	5	1	0	185	...	39·39	200	150
D Ashford (Belmore) ...	J. W. Kennard, Esq. ...	5	1	0	200	...	38·15	190	149
D Dover (Martin Mill Pump. Station) ...	W. A. Parker, Esq. ...	5	1	0	287	...	42·81	184	144
D WYE (S. E. Agricultural College) ...	Principal ...	5	1	0	164	...	38·59	187	146
D Waldershare Park Gardens ...	Mr. J. Beer ...	8	1	0	250	33·2	45·65	195	166
D Charing (Egerton) ...	G. L. Wall, Esq. ...	5	1	0	300	...	35·02	199	152
d Charing (Pett Place) ...	J. E. Hosking, Esq. ...	5	1	0	300	...	41·10	173	155
D Deal & Walmer Waterworks ...	W. Mantle, Esq. ...	5	1	0	110	28·0	36·14	195	144
D Barham (Old House) ...	L. S. Osmaston, Esq. ...	5	0	9	175	...	39·64	197	155
D Barham (Pumping Station) ...	W. A. Parker, Esq. ...	5	1	0	173	...	41·26	191	151
D Nonington (Red Tiles) ...	C. G. W. Lewis, Esq. ...	5	1	0	140	...	36·03	190	146
d Worth (Upton House) ...	Miss Mary Napier ...	5	1	0	32	27·7	36·07	174	147
D Wingham (Margate W.W.) ...	Superintendent ...	5	1	0	138	28·7	39·55	188	145
D Canterbury (Harbledown) ...	W. Norris, Esq. ...	5	1	0	155	...	30·33	168	134
D Harbledown (Willowdown) ...	A. D. M. Hilton, Esq. ...	5	1	0	100	...	33·91	176	134
D Canterbury (London Road) ...	Miss B. Spillett ...	5	1	0	66	28·7	30·99	184	140
D Canterbury (Sewage Works) ...	Manager ...	5	1	6	15	27·5	34·24	195	140
D Ash (Corking Farm) ...	R. F. Neame, Esq. ...	5	1	0	50	...	30·08	163	136
D Elmstone (Court Farm) ...	J. B. Henderson, Esq. ...	5	1	0	28	...	31·67	175	140
D RAMSGATE (East Cliff) ...	Borough Engineer ...	8	1	0	80	...	27·93	162	135
D MANSTON Airfield ...	(+A) Meteorological Office ...	8	1	0	154	...	27·75	183	124
D Broadstairs (Grange Road) ...	C. Saunders, Esq. ...	5	1	0	159	...	27·77	185	130
D Broadstairs (Pierremont Park) ...	Surveyor ...	5	1	9	127	23·7	29·96	206	130
d Broadstairs (Stone House) ...	H. Biggs, Esq. ...	5	1	3	100	...	28·30	...	134
d MARGATE ...	Town Clerk ...	5	1	0	51	22·8	27·77	157	120
3.—SWALE & C. 167 sq. mi.									
D THROWLEY (Newlands Farm) ...	Thomas Neame, Ltd. ...	5	1	0	493	...	40·49	194	149
D Selling (Perry Cottage) ...	F. Ivo Neame, Esq. ...	5	1	5	320	...	39·01	164	147
D Selling (Luton) ...	F. Ivo Neame, Esq. ...	5	4	9	300	30·4	36·43	172	141
D Sittingbourne (Torry Hill) ...	D. Leigh Pemberton, Esq. ...	5	1	0	497	...	39·30	186	151
D Newnham (Pumping Station) ...	W. A. Parker, Esq. ...	5	1	0	107	...	33·96	182	139
D Faversham Waterworks ...	Engineer and Manager ...	8	1	0	132	...	30·81	202	132
d Ospringe (Queen Court) ...	Shepherd Neame Ltd. ...	8	1	3	50	...	34·12	(162)	(143)

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of Rim above Ground	Height of Ground above Sea Level			Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
KENT—(contd.).									
3. SWALE & C.—(contd.).									
D Ospringe (Lorenden) ...	Messrs. G. W. Finn & Sons	5	1	6	175	...	32.86	165	137
D Sittingbourne (Highsted W.W.) ...	Sittingbourne U.D.C.	5	1	7	138	...	37.19	179	139
D SITTINGBOURNE ...	Kent Farm Institute	5	1	0	225	...	37.28	181	143
D Faversham (Sewage Disp. Works)	Engineer and Manager	8	1	0	22	...	32.28	199	138
D Whitstable (Green Lees) ...	W. H. Wetherell, Esq.	5	1	0	125	...	33.71	202	129
d Teynham (Newgardens) ...	Mrs. Honeyball	5	1	5	30	24.5	34.62	...	...
d Milton Regis (Sewage Works)	Sittingbourne U.D.C.	5	0	8	8	...	32.48	177	136
D WHITSTABLE (Westmeads Rec. Grd.)	Urban District Council	5	1	0	9	...	29.52	164	117
Herne Bay (Waterworks) ...	J. Roberts, Esq.	5	1	0	125	22.8	28.21	...	...
D HERNE BAY (St. Anne's Home)	Urban District Council	5	1	0	21	...	26.85	165	121
D Eastchurch (Barnland) ...	A. A. Beal, Esq.	5	1	0	180	...	25.44	162	126
4.—MEDWAY. 506 sq. mi.									
D GOUDHURST (Bedgebury Forest) ...	Forestry Commission	5	1	0	290	...	42.75	210	152
D Goudhurst (Bedgebury Park Gdns.)	Mr. E. G. Arnold	5	1	0	280	...	44.29	200	155
d Scotney Castle ...	E. W. Hussey, Esq.	5	2	0	200	...	40.40	164	136
D Cranbrook (Little Glassenbury)	late J. I. Stirling, Esq.	5	0	10	360	...	42.69	178	142
D TUNBRIDGE WELLS (Calverley Park)	Medical Officer of Health	5	1	0	351	...	38.90	193	144
D Pembury (Waterworks) ...	H. P. Bishop, Esq., C.E.	5	1	0	197	...	39.95	180	149
D Edenbridge (Falconhurst) ...	Hon. Mr. Justice Talbot	5	1	6	375	30.7	44.62	197	143
D Edenbridge (Stonewall Park) ...	Lt.-Col. E. R. Meade-Waldo	5	1	1	344	...	44.28	185	153
D Penshurst Place ...	Lord De L'Isle and Dudley	5	1	6	120	...	41.88	192	146
D Headcorn (Great Tong) ...	A. E. A. Day, Esq.	5	1	0	110	...	33.05	173	134
D Hildenborough (Gables) ...	E. E. Roper, Esq.	5	1	0	159	...	40.45	178	156
D Hildenborough (Hollanden House)	C. H. Scott, Esq.	8	1	0	99	...	41.71	170	126
Hildenborough (Old School Cottage)	J. S. Roper, Esq.	5	1	0	270	...	41.56	...	...
D East Peckham (Woodbine) ...	W. H. Pearson, Esq.	8	1	0	47	...	32.83	162	135
D Chart Sutton (Amberfield Farm)	Hernden Farms Ltd.	5	1	0	350	...	33.83	173	143
D Lenham (Lenham Court) ...	Major W. T. Pitt	5	0	9	354	...	37.31	189	155
D Langley (Rumwood Court) ...	Mr. H. Parsons	5	1	9	354	...	35.49	179	148
D Lenham ...	D. F. Tysoe, Esq.	5	1	6	400	...	38.41	185	146
d Sevenoaks (River Hill) ...	Major D. M. Rogers	5	1	0	500	30.0	43.16	160	147
D Maidstone W.W. (Barming) ...	C. H. Harden, Esq., C.E.	5	1	4	247	...	35.37	176	145
D Maidstone (Mill Street) ...	S. F. Dixon, Esq.	8	6	0	37	...	35.57	192	147
D Bearstead (Thurnham P.S.) ...	W. A. Parker, Esq.	5	1	0	107	...	38.96	190	149
D Maidstone (Brenchley Gardens)	S. F. Dixon, Esq.	5	0	9	49	...	33.69	171	142
D WEST MALLING Airfield ... (+A)	Meteorological Office	5	1	0	309	...	34.96	182	140
D EAST MALLING (Research Station)	Director	8	1	0	132	26.1	35.81	194	140
D Maidstone (Boxley Road) ...	A. O. Mead, Esq.	5	0	10	230	...	34.01	181	139
D Maidstone (Allington Lock) ...	Mr. A. H. Reed	5	1	0	20	...	33.06	168	138
D Aylesford (Forstal Pumping Stn.)	C. H. Harden, Esq., C.E.	5	1	4	20	...	34.53	190	139
D Wrotham (Borough Green) ...	Major Noel Thomas, M.B.E.	5	1	0	300	...	38.61	213	152
D Trottiscliffe (Pumping Station)	W. A. Parker, Esq.	5	1	8	250	...	38.30	183	143
D Maidstone W.W. (Boxley) ...	C. H. Harden, Esq., C.E.	5	1	0	319	...	34.71	168	133
D Hartlip (Matts Hill Pumping Stn.)	A. E. Watkins, Esq., B.Sc.	5	1	0	225	...	37.95	164	137
D Chatham (Woolmans Wood) ...	A. E. Watkins, Esq., B.Sc.	5	3	0	470	...	36.72	163	140
d Halling (Pumping Station) ...	W. A. Parker, Esq.	5	1	0	75	...	36.06	160	139
d Chatham (Nashenden P.S.) ...	A. E. Watkins, Esq., B.Sc.	5	0	9	125	...	35.27	162	139
D Chatham (Luton W.W.) ...	A. E. Watkins, Esq., B.Sc.	5	3	0	88	...	34.25	180	137
D Gillingham (Sewer Plant) ...	Borough Engineer	5	1	0	238	...	34.30	182	135
D Cuxton (Pumping Station) ...	Cuxton Water Committee	5	1	0	87	...	35.32	177	145
D Rainham (Motney Hill) ...	J. B. Harvey, Esq.	5	1	0	28	...	30.07	162	124
D Strood (Waterworks) ... (+A)	City Surveyor	5	1	0	112	22.9	32.91	191	137
D Frindsbury (Shornells) ...	F. J. Talbot, Esq.	5	1	3	50	23.5	32.79	186	140
d Higham (Forge Lane) ...	E. N. M. Wadman, Esq.	5	1	0	200	...	33.24	161	133

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1951		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
KENT—(contd.).									
5.—THAMES. Darent & c. 256 sq. mi.									
d Westerham Town	Metropolitan Water Board	5	1	0	380	...	43·39	...	...
D Westerham Hill (Pumping Station) ...	Metropolitan Water Board	5	1	0	539	...	43·16	195	162
D Sundridge (Pumping Station) ...	Metropolitan Water Board	5	1	0	270	...	40·75	187	148
d Sevenoaks (Oak Lane)	E. H. Evans, Esq. ...	8	1	6	428	...	43·68	...	...
d Tatsfield (Betsoms Hill)	Metropolitan Water Board	5	1	0	820	...	43·47	...	...
w Seal (Oak Bank Reservoir)	E. H. Evans, Esq. ...	8	1	3	548	...	40·92	...	...
D Sevenoaks (Cramptons Rd. P.S.) ...	E. H. Evans, Esq. ...	8	1	0	222	...	41·18	192	150
w Seal (St. Lawrence Reservoir)	E. H. Evans, Esq. ...	8	1	3	665	...	40·69	...	...
D Seal (Kemsing Pumping Station) ...	E. H. Evans, Esq. ...	5	1	3	292	...	41·95	190	150
d Knockholt (Kent Waterworks) ...	Metropolitan Water Board	5	1	0	785	29·9	45·69	...	...
D Biggin Hill Airfield	Meteorological Office ...	5	1	0	560	...	40·31	188	144
D Wrotham (Fairseat Manor)	A. E. D. Anderson, Esq. ...	5	0	11	700	...	42·44	182	153
D Downe (Down House)	Dr. O. J. R. Howarth, O.B.E.	5	1	1	560	...	43·86	190	159
D Shoreham (Highfield)	Sir Herbert B. Cohen, Bart.	5	0	9	650	...	44·40	183	159
D West Wickham (Pumping Station) ...	Metropolitan Water Board	5	1	0	240	...	36·18	182	143
D Eynsford (Pumping Station) ...	Metropolitan Water Board	5	1	2	131	...	39·69	183	145
w Farningham (Dunbrae)	Bertram Grey, Esq. ...	5	1	0	230	...	38·37	...	...
D Orpington (Kent Waterworks) ...	Metropolitan Water Board	5	0	7	220	...	36·07	197	145
D Orpington (Park Avenue)	A. R. A. Griffin, Esq. ...	5	1	0	550	...	35·41	189	145
D West Wickham (Woodland Way) ...	D. A. Worthington, Esq. ...	5	1	0	325	...	37·18	204	143
D Longfield (Hartley)	Hartley Water Committee	5	1	0	270	...	36·96	181	145
d Crockenhill (Wested Farm)	A. T. Miller, Esq. ...	5	1	6	331	...	35·59	...	...
D Orpington (Chislehurst Road) ...	J. S. Powell, Esq. ...	5	1	0	272	...	34·29	186	141
D Cobham (Crossways)	Mrs. A. M. Marsh ...	5	3	0	320	...	35·50	184	139
D Nurstead (Downs Road W.W.) ...	Gravesend & Milt'n W.W.Co.	8	1	0	164	...	34·89	190	138
D BROMLEY	Borough Engineer ...	5	1	0	213	24·2	34·00	181	142
D Bromley (Bishops Avenue)	G. H. Franey, Esq. ...	8	1	0	190	...	34·60	195	146
D Beckenham (Croydon Road) ... (+A)	Borough Engineer ...	8	1	0	110	...	33·40	189	142
D Penge (Recreation Ground)	Surveyor ...	5	1	1	122	24·6	33·39	173	135
D Anerley (Oakfield Road)	Miss S. Stannard ...	5	1	5	180	...	34·49	196	135
D Chislehurst (Scadbury Park)	Maj. J. Marsham-Townshend	5	1	0	240	24·6	33·30	205	150
D Chislehurst (Camden Park Road) ...	G. C. Hawkins, Esq. ...	5	1	0	300	...	33·79	184	143
D Bromley (Henville Road)	W. M. Smith, Esq., M.B.E.	5	0	8	230	...	31·12	188	134
d Southfleet (Hook Place Farm) ...	J. J. Barker, Esq. ...	5	1	0	100	...	31·68	...	...
D Wilmington (Orchard Way)	P. Stone, Esq. ...	5	1	0	115	...	30·12	177	137
D WILMINGTON (Glasshouse Dem. Stn.)	Kent Education Committee	5	1	0	212	...	31·89	189	135
d Southfleet (Kent Waterworks) ...	Metropolitan Water Board	5	1	0	82	...	31·16	181	131
D Gravesend (Southfields School) ...	J. M. Evans, Esq. ...	5	0	10	110	...	31·22	208	138
D Wilmington (Kent Waterworks) (+A)	Metropolitan Water Board	5	1	5	25	...	30·53	181	139
D DARTFORD (Central Park) ... (+A)	Borough Engineer ...	5	1	0	17	...	28·24	193	136
d Stone (Stone House Hospital) ...	G. Jones, Esq. ...	5	1	2	115	...	29·83	160	126
D Bexleyheath (Danson Park) ... (+A)	Surveyor ...	5	1	0	164	...	31·61	164	134
D Erith (Sewage Works)	Erith U.D.C. ...	5	1	0	13	...	29·33	179	134
d Higham (Waterworks)	Engineer and Manager ...	8	1	0	141	...	35·73	155	131
D Erith (Crossness)	London County Council ...	5	1	8	26	20·8	27·25	158	137
SUSSEX. (Area, 1,458 sq. mi.)									
1.—LAVANT & C. 175 sq. mi.									
D Sidlesham (Council School)	Headmaster ...	5	1	0	15	...	40·07	173	149
D BOGNOR REGIS (Waterloo Square) ...	Town Clerk ...	8	1	0	24	25·9	40·41	178	145
D Bognor Regis (Albert Road)	W. L. Guernonprez, Esq.	8	1	0	17	26·3	40·66	195	150
D CHICHESTER (BIRDHAM)	S. A. Searle, Esq. ...	5	1	0	16	...	41·43	168	144

§ Turf wall round gauge.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			above	Sea	Level			or	or
			Ground	Level				more	more
		in.	ft.	in.	ft.	in.	in.		
SUSSEX—(contd.).									
1.—LAVANT & C.—(contd.).									
D Merston (Abelands) ...	The Hon. Sybil Hood ...	5	0	9	24	28·8	41·76	183	152
D Bosham (Cobnor) ...	Major S. W. P. Beale ...	5	0	10	8	27·7	43·33	188	157
D Thorney Island Airfield ...	Meteorological Office ...	5	1	0	11	...	37·95	179	142
D Chidham (Chidmere) ...	H. L. Baxendale, Esq. ...	5	1	0	14	27·4	41·42	180	152
d Bosham (Council School) ...	Headmaster ...	5	0	6	14	27·2	42·53	173	149
D Chichester (Apuldram) ...	S. J. K. Eames, Esq. ...	5	0	10	14	27·9	39·27	185	150
D Chichester (Kingsham Farm) ...	Director of Agriculture ...	5	1	0	35	29·0	41·47	185	152
D Chichester (West Street) ...	Dr. W. Dick ...	5	1	0	40	28·3	41·73	185	153
D Chichester (County Hall) ...	D. Farr, Esq. ...	5	1	0	40	29·1	42·24	185	155
D TANGMERE Airfield ...	(+A) Meteorological Office ...	5	1	0	50	...	41·42	181	148
D Arundel (West Walberton) ...	P. A. Bissett, Esq. ...	5	1	0	90	...	44·41	199	157
d Chichester (Funtington Pumping Stn.)	A. N. Burgess, Esq. ...	5	1	0	112	...	45·21?	(192)	(155)
D Emsworth (Stansted Park) ...	The Earl of Bessborough ...	5	1	1	140	...	45·94	202	158
D West Dean Park ...	W. H. Lines, Esq. ...	5	1	0	190	36·4	53·98	200	160
D Chilgrove House (Lawn) ...	Col. C. F. W. Dimond ...	5	1	0	266	35·0	56·59	198	159
d Compton (Compton House) ...	Miss K. B. Langdale ...	5	1	0	263	36·6	56·33	196	174
2.—ARUN. 285 sq. mi.									
D LITTLEHAMPTON (Met. Station) ...	Clerk to the U.D.C. ...	5	1	0	19	26·2	38·11	190	139
D Worthing (Ferring) ...	Dr. L. S. F. Woodhead ...	5	1	0	26	...	40·38	190	142
D Angmering (Elmhurst) ...	Miss M. Orme ...	5	0	10	44	27·1	42·14	192	151
D Patching Farm ...	Michael Drewitt, Esq. ...	5	1	0	180	30·8	41·85	181	146
D Arundel Castle ...	The Duke of Norfolk ...	5	1	0	106	31·3	45·60	191	155
D South Harting (Rose Croft) ...	A. A. Cooper, Esq. ...	5	1	0	230	...	57·31	192	172
D Storrington (Greyfriars) ...	Major J. R. Abbey ...	5	1	0	250	35·6	50·72	185	157
Bignor ...	Major G. B. Hill, O.B.E. ...	5	1	0	175	37·3	55·68	...	...
D Pulborough (Parham) ...	R. E. Whitaker, Esq. ...	5	1	6	98	33·6	50·96	221	166
D Pulborough (Bignor Park) ...	The Viscountess Mersey ...	5	1	3	75	...	55·44	208	165
D Petworth (Barlavington Farm) ...	J. A. G. Bragg, Esq. ...	5	0	9	181	...	56·69	203	168
D Pulborough (Codmore Hill) ...	A. Newnham, Esq. ...	5	1	0	165	32·0	43·50	206	155
D Petworth (Byworth) ...	Col. B. J. M. Bebb, C.B.E. ...	5	1	0	160	...	53·34	189	162
D Byworth (Edgehill) ...	W. H. Boniface, Esq. ...	5	1	0	100	...	54·29	196	158
D Midhurst (June Lane) ...	H. R. Amore, Esq. ...	5	1	0	135	33·2	51·02	208	156
D Rogate (Fyning) ...	H. W. A. Bodkin, Esq. ...	5	1	0	230	31·2	49·65	205	166
Rogate (Fyning Combe) ...	J. Gore, Esq., C.V.O. ...	5	0	8	420	...	52·11	...	...
D Fernhurst (Research Station) ...	Plant Protection Ltd. ...	8	1	0	229	...	50·93	210	162
D Kirdford (Hills Green) ...	L. Baker, Esq. ...	5	1	0	150	27·8	43·28	187	157
D Liss (Clayton Court) ...	Head Gardener ...	5	1	0	480	35·2	56·42	210	176
D Liss (Hill Brow) ...	F. W. Beckford, Esq. ...	5	1	0	500	35·8	52·09	235	167
D Horsham (Whites Bridge) ...	N.W. Sussex Water Board ...	5	1	0	157	30·9	42·69	194	157
D Lower Beeding (The Warren) ...	Miss Reed ...	5	0	10	430	31·6	47·65	203	169
D Horsham (Tower Hill) ...	Mrs. Charles Marsh ...	5	1	0	220	28·3	38·07	198	143
D Horsham (Sewage Disposal Works) ...	J. P. Ridd, Esq., B.Sc., C.E. ...	8	1	0	120	29·3	40·19	195	151
D Horsham (Rushams Road) ...	A. H. Wickersham, Esq. ...	5	1	0	140	...	42·01	195	161
D Horsham (Windyridge) ...	R. A. West, Esq. ...	5	1	0	260	...	41·90	196	161
D Horsham (Wimblehurst) ...	Miss E. M. Allcard ...	5	1	0	195	30·0	43·27	192	166
D Horsham (North Parade) ...	G. N. Slyfield, Esq. ...	5	1	0	166	...	42·68	185	149
D Rudgwick (Swaynes) ...	S. D. Secretan, Esq., J.P. ...	5	0	11	121	26·7	40·72	203	159
D Rusper (The Nunnery) ...	Sir Cecil J.B.Hurst, G.C.M.G. ...	5	1	6	260	30·8	44·94	210	163
3.—ADUR & C. 237 sq. mi.									
D WORTHING (Beach House Park) (+A)	Medical Officer of Health ...	5	1	0	25	27·5	37·98	184	146
D Goring-by-Sea (Highdown Tower) ...	Col. F. C. Stern ...	5	1	0	100	...	38·73	180	151
D Brighton (Ovingdean) ...	L. H. B. Woodhead, Esq. ...	8	1	0	161	...	38·63	184	142

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SUSSEX—(contd.).									
3.—ADUR & C.—(contd.).									
D BRIGHTON (Old Steyne) ...	F. N. Green, Esq., C.E. ...	5	1	0	32	28.1	35.23	174	129
D Hove (Goldstone Crescent) ...	Guy Michell, Esq. ...	5	0	8	150	...	39.81	189	148
D Hove (Radinden Manor Road) ...	M. Talbot Pritchett, Esq. ...	5	1	2	180	...	39.70	192	147
D Brighton W.W. (Goldstone Bottom) ...	F. N. Green, Esq., C.E. ...	8	1	0	142	...	37.24	193	147
D Brighton W.W. (Lewes Road) ...	F. N. Green, Esq., C.E. ...	8	3	8	139	29.9	40.30	194	143
D Brighton W.W. (Shoreham) ...	F. N. Green, Esq., C.E. ...	8	1	8	9	29.2	41.78	198	158
D Brighton W.W. (Mile Oak) ...	F. N. Green, Esq., C.E. ...	8	1	0	166	...	42.00	189	150
D Brighton W.W. (Race Hill Res.) ...	F. N. Green, Esq., C.E. ...	8	1	0	456	31.6	43.33	203	154
D Brighton W.W. (Balsdean Res.) ...	F. N. Green, Esq., C.E. ...	5	1	0	399	...	42.06	189	138
D Brighton W.W. (Balsdean P.S.) ...	F. N. Green, Esq., C.E. ...	5	1	0	188	...	43.44	191	137
D Brighton W.W. (Falmer) ...	F. N. Green, Esq., C.E. ...	8	1	0	200	32.1	42.95	198	147
D Findon (North End) ...	Mrs. B. H. Madge ...	5	1	0	211	...	48.18	196	160
D Findon (Steep Lane) ...	T. G. Judge, Esq. ...	8	3	0	200	...	44.88	181	157
D Brighton W.W. (Patcham) ...	F. N. Green, Esq., C.E. ...	5	1	0	205	31.8	39.82	185	146
D Hassocks (Newtimber Place) ...	The Countess Buxton ...	5	0	8	100	...	46.43	191	156
D Hassocks (The Croft) ...	Miss M. J. Taylor ...	5	1	0	200	35.6	51.21	201	159
D Henfield (Townmead) ...	Miss H. Dixon Brown ...	5	1	0	100	31.7	44.28	183	154
D Hurstpierpoint (Brundall) ...	R. E. Toombs, Esq. ...	5	1	0	140	...	46.37	199	152
d Partridge Green (Lloyds Croft) ...	W. U. P. Morgan, Esq. ...	5	1	2	25	...	40.06	...	...
D West Grinstead (Knepp Castle Gdns.)	Capt. W. R. Burrell ...	5	3	6	50	...	44.12	216	162
D Horsham (Sedgewick Park) ...	Rt. Hon. Lord Rotherwick ...	5	1	0	280	...	41.85	194	153
D Slinfold (Elmhurst Farm) ...	Elmhurst Fmg. & Trdg. Co. ...	5	0	10	200	29.7	44.87	196	160
4.—OUSE. 224 sq. mi.									
D Seaford (Newlands) ...	Capt. T. Manning, C.B.E. ...	5	1	0	150	28.6	41.25	175	147
D SEAFORD ...	Surveyor ...	5	1	0	45	...	40.73	170	140
D Newhaven (Poverty Bottom W.W.) ...	F. B. Lumsden, Esq. ...	8	2	6	48	28.8	40.90	176	142
D Lewes W.W. (Kingston) ...	Borough Water Engineer ...	8	1	3	11	34.6	45.83	188	149
D Lewes (The Avenue) ...	R. Shanks, Esq. ...	5	1	0	130	...	42.41	183	145
d Newick (Piltown) ...	Miss A. M. Pinnock ...	5	1	8	150	30.2	44.86	...	...
D Uckfield (County Sec. School) ...	H. F. Pearmain, Esq., M.A. ...	5	1	3	157	...	44.35	201	142
d Piltown (Ringwood) ...	Capt. Stanley Pott ...	5	1	3	120	...	39.17	...	154
D Haywards Heath (Abbotts Leigh) ...	C. Hales, Esq., J.P. ...	5	1	0	250	...	45.82	194	159
D Haywards Heath (Paddock Hall Rd.) ...	Chas. Holman, Esq. ...	5	1	0	260	...	47.76	202	156
D Lindfield (Backwoods Lane) ...	A. D. Hickley, Esq. ...	5	1	0	160	...	45.16	185	154
D Horsted Keynes (Holy Well P.S.) ...	W. H. Ashmole, Esq. ...	8	1	8	124	31.5	46.52	195	156
D Horsted Keynes (Cinder Hill) ...	L. A. Wood, Esq. ...	5	1	0	300	...	48.06	203	154
D Horsted Keynes (Birch Grove) ...	Miss Fyfe ...	5	1	0	400	31.4	47.73	222	167
D Balcombe (Lullings) ...	Mrs. M. Holland ...	5	1	0	348	34.8	52.21	212	167
D Balcombe (Waterworks) ...	W. H. Ashmole, Esq. ...	8	1	0	467	33.9	47.06	197	156
D Balcombe (Highley Manor) ...	Mr. B. T. Brooks ...	8	1	6	420	34.2	51.56	228	166
d Worth Priory ...	Rev. A. M. Bell ...	5	1	0	480	33.2	45.03	...	...
5.—CUCKMERE & C. 189 sq. mi.									
D Eastbourne (Grange Road) ...	R. G. Lorton, Esq. ...	5	1	0	26	...	40.89	176	136
D EASTBOURNE (Wilmington Square) ...	Medical Officer of Health ...	5	1	0	20	30.7	42.47	181	140
D Eastbourne (Summerdown Road) ...	A. C. Fraser, Esq. ...	5	1	0	122	...	43.59	178	141
d Eastbourne (Mayfield Place) ...	Miss M. A. Ash ...	8	1	0	50	31.4	44.45	...	...
D Friston (Water Tower) ...	Eastbourne Waterworks ...	5	1	0	389	...	46.42	191	144
D Friston ...	Eastbourne Waterworks ...	8	1	0	104	30.8	45.25	198	151
D Jevington ...	Eastbourne Waterworks ...	8	1	0	274	31.7	49.44	191	149

§ Turf wall round gauge.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SUSSEX—(contd.).									
5.—CUCKMERE & C.—(contd.).									
D Litlington	Eastbourne Waterworks ...	8	1	0	19	30.5	44.40	175	145
D Pevensey (Pumping Station) ...	Hailsham R.D.C. ...	5	1	0	12	27.0	43.82	167	137
D Pevensey Bay (Pumping Station)	Hailsham R.D.C. ...	5	1	0	7	27.0	42.16	175	135
D Polegate (Sewage Works) ...	Hailsham R.D.C. ...	5	1	0	36	...	50.13	199	155
D POLEGATE (Winfield Farm) ...	A. E. Moon, Esq. ...	5	1	0	35	...	48.68	192	140
D Bexhill (The Gorseway) ...	W. W. Hughes-D'Aeth, Esq.	5	1	0	...	...	43.15	197	145
D Bexhill (Pebsham Lane) ...	Mrs. C. A. Bishop ...	5	1	0	40	...	39.67	211	144
D BEXHILL (Egerton Park) ...	Bor. Council (H. J. Sargent)	8	1	0	12	26.3	40.00	175	141
D HASTINGS (White Rock) ...	Town Clerk ...	5	1	0	149	28.7	36.87	174	147
d St. Leonards (Filsham W.W.)	Water Engineer (Hastings)	5	1	0	37	27.3	36.97	...	...
D Hailsham (Magham Down) ...	E. M. Bear, Esq. ...	5	1	0	90	28.4	42.95	190	150
D Hellingly (Amberstone) ...	Eastbourne Waterworks ...	5	1	2	29	...	43.82	192	146
D Hellingly (Hospital) ...	Medical Superintendent ...	5	0	7	140	...	44.47	195	157
D Hazards Green (Pumping Station)	Bexhill Waterworks ...	5	1	7	74	26.0	38.62	186	149
D Hastings (Newgate) ...	Water Engineer ...	8	1	0	243	27.5	38.67	184	148
D Hastings (Clive Avenue) ...	A. D. Moon, Esq. ...	5	1	0	328	...	43.81	199	152
D Hastings (Halton Reservoir) ...	Water Engineer ...	5	1	0	294	28.6	41.09	179	151
D Battle (Crowhurst Park) ...	Mr. H. Thompsett ...	8	1	0	440	...	45.58	193	158
D Cowbeech (Pumping Stetion)...	Bexhill Waterworks...	5	1	7	100	...	41.99	183	151
D Horam (Coxlow) ...	Major E. Harrison ...	5	1	0	260	29.7	43.72	182	160
D Heathfield (Birchford Farm) ...	Mrs. D. Hook ...	5	1	0	358	...	46.53	194	158
D Heathfield (Cross-in-Hand) ...	C. Birnstingl ...	5	1	0	305	...	48.94	214	163
6.—ROTHER. 194 sq. mi.									
D Icklesham	Kent River Board ...	8	1	0	140	...	41.42	181	153
D Hastings (Fairlight Reservoir)	Water Engineer ...	5	1	0	513	29.3	39.31	169	139
D Hastings (Fairlight, Machico)	E. J. Watts, Esq. ...	5	1	0	100	27.6	38.84	197	149
D Battle (Oakhurst Road) ...	A. G. Culmer, Esq. ...	5	1	6	275	...	46.82	192	153
D Brede (Pumping Station) ...	Water Engineer (Hastings)	5	1	0	26	28.3	41.95	191	161
D SEDLESCOMBE (Rectory) ...	Rev. G. N. Martin ...	5	1	0	170	...	44.63	192	149
D Udimore (The Wick) ...	Major R. P. Mair ...	8	1	0	92	28.9	42.23	177	148
D Playden (Scots Float) ...	Kent River Board ...	5	0	10	14	...	40.19	174	149
D Brightling Park ...	T. P. Tew, Esq. ...	5	1	0	545	34.1	50.25	204	159
D Brightling (Bleak House) ...	T. W. C. Terry, Esq. ...	5	1	0	550	...	49.23	202	161
D Robertsbridge (Darvell Hall San.)	Medical Superintendent ...	5	3	0	100	29.1	47.26	186	155
d Peasmarsh (Woodside) ...	T. G. J. Binnie, Esq. ...	5	1	0	100	30.1	44.69	...	154
D Burwash (Bateman's) ...	C. W. Parish, Esq. ...	5	1	0	50	...	49.01	195	148
D Iden (Havencroft) ...	J. N. Baker, Esq. ...	5	0	10	134	...	39.47	191	150
D Rye (Iden) ...	Admiral Sir Aubrey Smith	5	1	0	150	...	37.04	181	138
D Hawkhurst (BODIAM) ...	A. Guinness, Son & Co., Ltd.	5	1	0	71	...	45.68	189	144
D Hurstgreen (Bellhurst Farm) ...	C. C. Langer, Esq. ...	5	0	6	275	...	41.65	196	159
D Northiam (Great Dixter) ...	Mrs. Lloyd ...	5	1	0	209	29.5	41.06	188	140
D Burwash (Crowhurst Bridge) ...	Heathfield Dist. Water Co.	5	0	11	97	...	43.19	180	152
D Mayfield (Cranesden) ...	Sir Frederick Godber ...	5	1	0	345	...	44.53	190	153
D Ticehurst (Stonegate) ...	W. J. Wheeler, Esq. ...	5	1	0	230	32.6	46.55	204	158
7.—MEDWAY. 117 sq. mi.									
D Rotherfield (Horsegrove Farm)	F. W. Shaw, Esq. ...	5	1	0	528	35.3	50.79	200	153
D Crowborough (Jarvis Brook) ...	Crowborough Water Co. ...	5	1	0	325	35.0	51.80	200	157
D Jarvis Brook (Salters) ...	Gp. Capt. J. Hunnard ...	5	1	6	400	...	48.63	197	155
D Crowborough (Harecomb) ...	J. Robertson, Esq. ...	5	1	0	680	34.8	48.07	202	157
d Crowborough (The Beacon) ...	A. R. Allcroft, Esq. ...	5	1	0	796	36.7	51.35	...	...
D Hartfield (Beechcroft)...	Miss E. A. Foyster ...	5	1	0	370	34.5	49.49	233	156
D West Hoathley (Duckyls) ...	Mrs. Craven Moore ...	5	1	0	600	...	50.36	190	168

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

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		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SUSSEX—(contd.).									
7.—MEDWAY—(contd.).									
D Forest Row (Park Road) ...	J. R. Coulthard, Esq. ...	5	4	6	300	...	52.75	171	149
D East Grinstead (Standen) ...	Miss H. M. Beale ...	5	0	7	450	...	44.66	170	153
D Frant (Henley Gardens) ...	Colonel J. Benskin ...	5	1	0	440	32.2	46.07	192	145
d Frant (Eridge Castle) ...	Mr. G. A. Funnell ...	5	1	0	400	34.3	49.28	...	...
D Crawley Down (Grange Hill) ...	Miss L. T. A. Buckley ...	5	0	6	450	32.7	52.60	219	159
8.—THAMES. Mole. 27 sq. mi.									
D Crawley (Broadfield) ... (+A)	A. J. W. McIntosh, Esq. ...	5	1	0	300	...	48.47	207	165
D Worth (Worth Lodge) ...	Miss M. C. Nix ...	5	1	0	340	31.6	46.61	211	157
D Crawley (County Oak Sew. Wks.) (+A)	A. J. W. McIntosh, Esq. ...	5	1	0	210	...	44.87	199	152
D Crawley (The Beeches) ...	M. Longley, Esq. ...	8	1	0	220	31.2	46.27	197	154
9.—THAMES. Wey. 10 sq. mi.									
HAMPSHIRE. (Area 1,627 sq. mi.)									
1.—ISLE OF WIGHT. 150 sq. mi.									
D Ventnor (St. Lawrence) ...	Fraser Parkes, Esq. ...	5	0	9	100	...	41.29	181	145
D Ventnor (Steephill Cove) ...	C. W. Lale, Esq. ...	5	1	0	8	...	41.57	185	146
D VENTNOR Park ...	Surveyor ...	5	1	0	445	29.5	46.02	185	153
D SHANKLIN ...	Sandown & Shanklin U.D.C. ...	5	1	0	180	...	48.55	189	154
D Brighstone (Pitt Place Cottage) ...	Mr. J. Higgins ...	5	1	8	500	27.7	40.59	168	137
D SANDOWN (Sandham Gardens) ...	Sandown & Shanklin U.D.C. ...	5	1	0	13	30.9	41.82	172	147
D Sandown (Adgestone) ...	R. H. Adams, Esq., C.E. ...	5	1	0	9	...	45.21	186	147
D The Needles Golf Club ...	Mrs. G. E. Newnham ...	5	1	0	340	27.5	42.23	173	146
D Freshwater (Pumping Station) ...	Engineer in Charge ...	8	1	3	5	28.8	42.62	168	147
D FRESHWATER (West Wight School) ...	Headmaster ...	8	1	0	40	...	42.07	182	144
D NEWPORT (Recreation Ground) ...	Borough Engineer ...	5	1	0	60	32.9	46.73	187	148
D Binstead (The Quarry) ...	F. H. Crimp, Esq. ...	5	2	0	60	...	47.29	197	164
D RYDE (Esplanade Gardens) ...	Borough Publicity Dept. ...	5	1	0	13	29.0	46.01	192	153
D Ryde (Wootton County School) ...	A. J. Blundell, Esq. ...	5	1	0	20	...	47.09	180	145
D §Cowes W.W. (Broadfields) ...	Isle of Wight W. Bd. ...	5	1	0	150	29.8	48.54	185	150
2.—STOUR. 37 sq. mi.									
D BOURNEMOUTH (Vale View) ... (+A)	Corporation ...	5	1	0	139	31.5	42.16	182	147
D Bournemouth (Rothesay Road) ...	Dr. D. N. Seth-Smith ...	5	0	8	180	...	44.39	191	147
D Bournemouth (East Avenue) ...	J. E. Hewitt, Esq. ...	5	1	0	143	28.6	43.41	183	140
D Christchurch (Air Compression Stn.) ...	Borough Surveyor ...	5	1	3	0	...	38.21	172	135
D Christchurch (Hurn Court) ...	The Earl of Malmesbury ...	8	1	2	23	32.2	44.01	...	...
3.—EAST AVON & C. 114 sq. mi.									
D Christchurch (Harrow Lodge) ...	R. C. Bacon, Esq. ...	8	1	0	135	31.3	46.11	187	149
d Ringwood (Avon Tyrrell) ...	Forestry Commission ...	5	1	0	230	...	46.35	...	...
D Ringwood (Bisterne) ...	Major J. D. Mills ...	8	1	2	45	30.9	48.43	177	149
D Ringwood (Hangersley) ...	Col. E. G. St. Aubyn, D.S.O. ...	5	0	9	200	...	45.79	198	159
D RINGWOOD (Hightown) ...	Miss M. A. M. Penrose, B.Sc. ...	8	1	0	250	...	46.61	202	162
D Ringwood (Grey Friars) ...	Miss H. Christy ...	5	1	0	50	28.4	48.38	200	148
D Ringwood (Linwood) ...	Miss R. M. Haines ...	5	1	0	138	32.0	48.34	205	156
D Fordingbridge (Dockens) ...	E. W. Poore, Esq. ...	8	1	0	140	31.1	43.53	185	135
D Fordingbridge (Furze Hill) ...	G. G. Smith, Esq. ...	5	0	5	150	...	46.82	204	163

§ Turf wall round gauge.

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

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		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
HAMPSHIRE—(contd.).									
4.—TEST & SOLENT. 551 sq. mi.									
D Milford-on-Sea (Farlights) ...	Mrs. F. W. Brown ...	5	1	0	50	...	42.25	178	154
d Lymington (Stanley Road) ...	E. A. Robins, Esq. ...	5	1	0	5	...	43.29	167	154
D New Milton (Ashley County School)	Headmaster ...	5	0	8	110	30.7	43.70	181	153
d Sway (Gordleton) ...	W. F. Wright, Esq. ...	5	1	6	102	29.7	46.27	...	...
D Lymington ...	Borough Engineer ...	5	1	0	57	...	45.23	172	148
d Exbury ...	L. N. de Rothschild, Esq. ...	5	1	0	80	29.2	43.42	...	142
D Brockenhurst (County School)	Headmaster ...	5	1	0	43	...	45.60	179	150
D CALSHOT... .. (+A)	Meteorological Office ...	8	1	0	8	...	42.38	180	146
D Burley (Anderwood Cottage) ...	Forestry Commission ...	5	1	0	135	...	49.59	203	151
D Hythe (Butts Ash Lane) ...	Miss J. M. Baker ...	5	1	0	130	30.6	48.13	218	154
d Lyndhurst (Deerleap Nursery)	Forestry Commission ...	5	1	2	85	...	48.19	...	...
d Bartley (The Nurseries) ...	J. B. Browne ...	5	1	0	25	32.0	50.96	...	148
D SOUTHAMPTON (East Park) ...	Director, Ordnance Survey	5	1	0	64	30.9	45.20	193	157
D Southampton (Regents Park) ...	D. J. P. Kendall, Esq. ...	5	1	0	60	...	43.53	189	158
D Southampton (South Hill Reservoir)...	J. Hawksley, Esq., O.B.E. ...	5	1	0	200	30.8	42.86	182	157
D Romsey (Embley Gardens) ...	A. White, Esq. ...	5	1	0	130	30.3	45.77	200	159
D Romsey (Timsbury P.S.) ...	J. Hawksley, Esq., O.B.E. ...	5	1	0	99	29.8	43.05	191	154
D Hursley (Merdon Manor) ...	Sir George Cooper, Bart. ...	5	1	0	360	...	46.69	201	164
D Sparsholt (Garstons) ...	Mrs. Simpson ...	5	1	3	350	...	49.72	194	162
D Stockbridge (Houghton Lodge) ...	Col. R. C. O. Parker, O.B.E., T.D.	5	1	0	112	30.5	43.04	196	162
D Crawley (Chilbolton Down) ...	G. W. S. Beale, Esq. ...	8	1	2	350	31.0	45.11	188	161
D Stockbridge (LECKFORD Estate)	General Manager ...	5	1	0	385	...	44.31	189	154
D Sutton Scotney (Wonston Manor)	J. H. Gray, Esq. ...	5	1	0	233	...	42.53	210	164
D Andover (Sewage Works) ...	Borough Surveyor ...	8	1	0	180	28.9	38.26	199	159
D Andover (Waterworks) ...	Borough Surveyor ...	8	1	0	205	...	38.36	186	148
d Overton ...	Dr. J. Knaggs, A.R.C.S., F.I.C.	5	1	0	240	...	45.60	...	...
D St. Mary Bourne (Bournside)	Mrs. H. F. M. Boys, B. Sc.	5	1	1	300	29.4	40.40	202	155
D Worting (Manydown Park) ...	Col. A. S. Bates, D.S.O. ...	5	1	0	415	30.2	44.88	205	164
D Whitchurch (Dunley Manor) ...	Sir Alfred Herbert ...	5	1	0	500	30.8	43.25	194	160
D Linkenholt Manor ...	R. Dudley, Esq. ...	5	1	0	700	32.5	46.00	178	154
5.—ITCHEN & SPITHEAD. 422 sq. mi.									
D South Hayling (Loridge) ...	D. S. Bird, Esq. ...	5	0	10	10	...	41.25	170	145
D Gosport ...	Borough Surveyor ...	8	0	9	30	28.8	43.68	183	151
D PORTSMOUTH (Southsea Common)	Medical Officer of Health ...	5	1	0	7	27.7	39.24	181	146
D Portsmouth (Eastney) ...	City Engineer ...	8	1	0	12	25.3	36.73	177	140
D South Hayling (County School)	H. J. Earney, Esq. ...	5	1	6	10	...	38.16	170	145
D Farlington (Pumping Station)	Portsmouth Water Co. ...	5	1	0	78	28.5	42.22	190	155
D Farlington (Reservoirs) ...	Portsmouth Water Co. ...	5	1	0	117	...	42.30	190	156
D Farlington (Filter Works) ...	Portsmouth Water Co. ...	5	1	0	157	27.9	42.03	190	155
D Havant (Portsmouth W.W.) ...	Portsmouth Water Co. ...	5	1	0	25	27.2	41.31	183	156
D Fareham (West Street) ...	N. E. Neville, Esq. ...	5	1	0	41	...	45.61	189	157
d Fareham (Maindell W.W.) ...	Engineer & Surveyor ...	8	1	6	36	...	47.72	223	162
D Southwick (Pinsley Lodge) ...	Portsmouth Water Co. ...	5	1	0	150	29.6	46.39	...	...
d Woolston Depot ...	Engineer and Surveyor ...	5	5	8	13	30.0	42.96	174	153
D Idsworth (Water Tower) ...	Portsmouth Water Co. ...	5	1	0	202	31.0	49.07	...	...
d Idsworth Quarry ...	Agricultural Contractors Ltd	5	1	0	320	...	50.25	...	...
D Southwick (Upper Beckford Farm)	Portsmouth Water Co. ...	5	1	0	112	30.8	46.24	...	...
D Southampton (Portswood) ...	Borough Engineer ...	5	1	10	10	29.7	42.27	195	157
D Botley (Horticultural Exper. Stn.)	W. F. Cheal, Esq. ...	5	0	8	70	...	40.28	196	160
D Botley (Uplands Farm) ...	Wilmot H. Yates, Esq. ...	5	1	0	60	31.5	41.11	...	...
D Curdridge (Sunnyside) ...	W. S. J. Cooke, Esq. ...	5	0	9	95	30.7	46.32	207	161
D Catherington Reservoir ...	Portsmouth Water Co. ...	5	1	0	428	34.2	52.86	...	...
D Swanmore (Holywell House) ...	Mrs. M. Portal ...	5	1	6	180	32.2	47.86	192	167
D Hambledon (Whitedale) ...	Portsmouth Water Co. ...	5	1	0	223	34.0	47.06	...	...

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground		Sea Level				
		in.	ft.	in.	ft.	in.	in.		
HAMPSHIRE—(contd.).									
5.—ITCHEN & SPITHEAD—(contd.).									
D Soberton (Mislingford) ...	Gosport W.W. Co. ...	5	1	0	136	31.7	48.87	191	162
D Droxford (Upper Swanmore) ...	H. Gadsby, Esq. ...	5	1	0	312	...	49.17	221	165
D Bishops Waltham (Wintershill Hall) ...	Mr. E. A. Roberts ...	...	1	0	300	...	46.18	191	154
D Otterbourne (Kingfisher Lodge) ...	Major T. T. Phelps ...	5	0	10	80	...	46.04	195	161
D Otterbourne (Waterworks) ...	J. Hawksley, Esq., O.B.E. ...	5	1	0	113	30.7	46.53	211	165
D Twyford (Pumping Station) ...	J. Hawksley, Esq., O.B.E. ...	5	1	0	139	31.1	48.53	196	164
D Twyford (Stonelea) ...	Capt. G. Jenson ...	5	0	8	120	...	41.02	180	154
D WINCHESTER (Recreation Ground) ...	Medical Officer of Health ...	5	1	0	121	...	44.18	194	157
D Winchester (Bereweke Road) ...	J. L. St. John ...	5	1	0	225	...	45.71	211	155
D Winchester (Christ Church Road) ...	F. E. Box, Esq. ...	8	1	0	180	...	44.31	209	155
D Winchester (Beaconsfield House) ...	F. B. Heathcote Wride, Esq. ...	8	1	6	228	...	46.59	211	159
D Ovington Rectory ...	Rev. H. L. Atkins ...	5	1	0	221	33.2	48.47	199	161
D Bishop's Sutton ...	H. C. Mills, Esq. ...	5	1	0	260	...	48.30	187	164
D Itchen Abbas (Chilland) ...	W. J. Arnold, Esq. ...	5	1	6	200	30.5	43.98	209	164
D Itchen Abbas (The Down House) ...	Mrs. E. G. Saville ...	8	1	0	200	...	39.75	179	136
D Ellisfield Manor ...	H. Hoare, Esq. ...	5	1	0	635	...	49.03	217	169
D Alresford (Lower Lanham) ...	C. H. Hayter, Esq. ...	5	1	0	400	...	46.96	213	168
6.—ARUN. 82 sq. mi.									
d Liss (Kippences) ...	Rev. W. L. de B. Thorold ...	5	0	9	250	33.3	52.65	199	168
D Liss (Hawkley Hurst) ...	T. Clive Davies, Esq. ...	5	0	11	422	37.7	54.53	229	173
Greatham (Manor House) ...	Capt. A. F. Coryton, J.P. ...	5	1	9	260	32.5	49.23	...	...
7.—THAMES. Wey. 92 sq. mi.									
D East Tisted (Rotherfield Park) ...	Col. J. B. Scott ...	5	1	0	555	37.1	55.10	227	173
D Selborne (The Wakes) ...	Mrs. Bibby ...	5	1	0	400	35.3	55.53	210	169
D Alton (Treloar Orthopaedic Hospital) ...	Secretary ...	5	1	6	350	...	49.13	197	167
D Kingsley (Sleaford) ...	M. Nimmo, Esq. ...	5	1	0	220	...	44.37	216	160
D Alton (Waterworks) ...	Engineer and Surveyor ...	5	1	0	440	...	48.21	206	171
D ALICE HOLT LODGE ...	Forest Research Station ...	5	1	0	378	...	44.25	200	159
8.—THAMES. Loddon. 164 sq. mi.									
w Swainshill ...	Mid-Wessex Water Co. ...	5	1	7	550	...	47.15	...	...
D LONG SUTTON ...	Lord Wandsworth College ...	5	1	0	479	28.2	46.55	195	157
D Basingstoke (Upton Grey House) ...	Mr. H. W. Kinge ...	5	1	0	400	27.7	43.24	193	164
D Aldershot (Waterworks) ...	Mid-Wessex Water Co. ...	5	1	0	251	27.0	42.29	195	158
D Aldershot Reservoirs ...	Mid-Wessex Water Co. ...	5	1	0	393	27.2	40.86	205	158
D Odiham (Mill House) ...	W. M. Dean, Esq. ...	5	1	0	241	26.0	40.54	187	154
D Odiham (Sewage Works) ...	Hartley Wintney R.D.C. ...	5	0	10	240	26.5	40.08	186	154
D Greywell (Pumping Station) ...	Mid-Wessex Water Co. ...	5	1	0	263	26.3	41.78	205	157
d Basingstoke (Chequers Road) ...	N. R. Grover, Esq. ...	5	1	0	270	...	43.60	196	165
D Hook (Nately Hatch) ...	R. C. Mallock, Esq. ...	5	1	0	328	26.7	41.78	202	163
D Fleet (King's Road) ...	A. C. Allen, Esq. ...	8	1	0	230	...	43.30	196	162
d Fleet (Quillets) ...	S. H. Langton, Esq. ...	5	1	0	300	25.4	39.23	168	150
D Sherborne St. John ...	A. G. Willis, Esq. ...	5	2	2	260	29.0	41.05	188	160
d Hartley Wintney (Warren Heath) ...	Hartley Wintney R.D.C. ...	5	1	0	226	25.8	36.95	190	147
D Hartley Wintney (S.D. Works) ...	Hartley Wintney R.D.C. ...	5	1	0	180	...	37.70	202	157
D SOUTH FARNBOROUGH (R.A.E.) (+A) ...	Meteorological Office ...	8	1	0	226	26.1	38.16	190	150
D Winchfield (Elvetham Park) ...	Mr. T. J. Brownjohn ...	8	1	0	217	26.8	37.84	198	141
D BRAMLEY (Ordnance Depot) ...	Deputy Commander, R.E. ...	5	1	0	196	...	39.19	187	154
D Heckfield (Park Corner) ...	Mr. W. Smith ...	5	1	2	257	24.6	38.69	218	160
9.—THAMES. Kennet. 65 sq. mi.									
D Kingsclere (Isle Hill) ...	C. E. Harvard, Esq. ...	5	1	6	500	...	44.64	203	165
D Highclere (Quarry Wood) ...	Miss E. K. Field ...	5	1	7	400	...	39.55	195	149
D Highclere (Horris Hill) ...	T. H. F. Morton, Esq. ...	5	1	0	390	...	40.47	204	151
d Kingsclere (N. Sydmonton House) ...	Lt.-Col. Kingsmill, D.S.O. ...	5	1	2	350	...	39.44	183	148
D Silchester House ...	T. M. Hartley, Esq. ...	5	1	0	305	25.0	35.70	196	145

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of Rim above Ground	Height of Ground above Sea Level			Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
BERKSHIRE. (Area, 722 sq. mi.)									
1.—TEST. 2 sq. mi.									
2.—THAMES. Bourne. 15 sq. mi.									
D Sunninghill (Blacknest P.S.) ...	Surveyor, Windsor R.D.C.	8	1	0	130	26.0	37.48	195	149
D Sunninghill (Titnesh Farm) ...	Lt.-Col. J. N. Horlick, M.C.	5	0	9	220	27.0	37.71	196	152
3.—THAMES. Loddon & c. 162 sq. mi.									
d Wellington College ...	R. Moss, Esq., M.A., B.Sc.	5	1	0	290	26.4	34.82	176	144
D Beech Hill (Waveney) ...	Miss D. Page-Roberts	5	1	0	220	...	33.44	190	148
d Broadmoor Institution ...	Medical Superintendent	5	1	0	300	27.6	35.97	174	156
D Wokingham (Bucks Copse) ...	Borough Surveyor	5	1	0	174	24.7	33.05	193	142
D Wokingham (Sindlesham House) ...	Mr. W. Balcombe	5	4	0	200	25.4	35.51	190	146
D Wokingham, (Reading Road) ...	P. Chandler, Esq.	5	1	0	182	...	34.92	195	142
D Wokingham (Winnersh Nursey) ...	J. T. Adams, Esq.	5	1	0	180	...	32.53	190	144
D Earley (Wokingham Road) ...	J. T. Adams, Esq.	5	1	0	150	...	35.32	201	146
D Warfield (Jealott's Hill) ...	Imperial Chem. Industries	5	1	0	220	25.8	35.70	200	154
D READING (SEED TRIAL GROUNDS) ...	Martin A. F. Sutton, Esq.	5	1	0	141	...	33.10	179	142
d Twyford (Beenham's Heath) ...	Mid-Wessex Water Co.	5	1	0	136	...	34.06	...	...
D Windsor (Bolton Road) ...	B. B. Summers, Esq.	5	1	0	80	...	34.19	195	150
D Windsor (Royal Gardens) ...	Head Gardener	5	1	1	88	24.9	35.05	201	150
D Twyford (Hare Hatch) ...	J. Waterer, Sons & Crisp, Ltd.	5	1	0	180	...	39.22	197	168
D Wargrave (Piggott School) ...	Clement C. Bush, Esq.	5	1	0	150	...	34.35	184	152
D Wargrave (The Thatched House) ...	Mrs. E. Sharp	5	1	0	200	...	36.55	214	158
D Maidenhead (Shopperhangers Rd.) ...	G. Stow, Esq.	5	1	6	180	...	33.08	200	143
D Maidenhead (Sewage Wks.) ... (†A)	Borough Engineer	5	1	0	81	...	32.80	202	141
Pinkney's Green (Tweed Cottage) ...	R. P. Lord, Esq.	5	1	0	240	26.7	34.68	...	...
D Maidenhead (Boulter's Lock) ...	Thames Conservancy	5	1	6	82	...	33.62	215	153
D Hambleton Lock ...	Mr. T. E. Wise	5	2	0	105	27.0	38.48	222	157
4.—THAMES. Kennet & c. 224 sq. mi.									
D Hurley (Hall Place Farm) ...	Min. of Agr. & Fish.	...	0	10	296	...	35.61	198	149
D Inkpen (New Mill) ...	G. C. Goodhart, Esq.	5	1	5	485	32.5	43.96	197	150
D Newbury (Greenham Common) ...	A. A. Lawrence, Esq.	5	1	5	500	...	41.36	192	168
D Mortimer (Grazeley Green) ...	P. L. D'E. Skipwith, Esq.	5	1	0	200	26.1	38.24	192	148
d Brimpton (Stonehouse) ...	F. L. Hadden, Esq.	5	1	0	350	27.5	(39.44)	...	...
D Hungerford Park ...	Mrs. A. G. Turner	5	0	10	400	...	41.03	187	153
D Newbury (Gloucester Road) ...	L. Giles, Esq.	5	2	0	250	...	39.08	196	154
D SHINFIELD (University Hort. Farm) ...	Prof. R. H. Stoughton, D.Sc.	5	1	0	200	...	35.12	195	151
D WOOLHAMPTON (Douai Abbey) ...	The Abbot	5	1	0	370	...	35.87	192	146
d Aldermaston (Beenham Hill) ...	H. Langford Lewis, Esq.	5	1	0	250	...	35.01	...	...
D Bucklebury Place ...	P. C. Bicknell, Esq.	5	1	0	409	...	36.12	191	149
D Reading W.W. (Bath Road) ...	O. Kean, Esq., C.E.	5	1	0	217	24.4	34.83	206	154
D Reading (Forbury Gardens) ...	K. H. Thorpe, Esq.	5	1	0	143	24.9	34.21	193	149
D READING (University) ...	Prof. A. Austin-Miller	5	1	0	152	...	35.30	191	147
D Reading (Caversham Lock) ...	Thames Conservancy	5	1	0	123	...	33.76	197	153
D Caversham (St. Peter's Hill) ...	J. A. Sargent, Esq.	5	1	6	210	25.0	35.01	183	151
D Chieveley (Priors Court) ...	Mr. S. F. Tuffley	5	1	0	403	...	36.90	198	157
D Peasemore House ...	Mrs. E. Brown	5	1	6	400	...	35.40	199	153
5.—THAMES. Ock & c. 319 sq. mi.									
D Stanford Dingley (Dingley Hill) ...	C. O. Lowsley, Esq.	5	1	3	400	...	38.01	186	155
D Reading (Englefield) ...	H. A. Benyon, Esq.	5	1	0	175	27.4	36.80	199	157
D Bradfield (Pumping Station) ...	Mid-Wessex Water Co.	5	1	0	174	...	36.34	185	147
d Yattendon (Yattendon Court) ...	J. F. N. Grange, Esq.	8	2	4	360	...	36.00	...	...
D Moulsoford (The Old Vicarage) ...	Miss B. J. Abbott	8	1	3	170	...	36.83	198	142
d Wantage (Lockinge Estate Office) ...	Capt. J. H. Lane Fox	5	1	1	400	27.8	37.54	170	152
D Cholsey (School House) ...	W. D. Campbell, Esq.	5	0	10	150	...	35.62	213	151
D †Cholsey (Bow Bridge) ...	Frank K. Weedon, Esq.	5	1	0	151	24.9	33.75	199	154

† Station moved from Wallingford (Winterbrook) in October.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			.01 in. or more	.04 in. or more
		in.	ft.	in.	ft.	in.	in.		
BERKSHIRE—(contd.).									
5.—THAMES. Ock & c.—(contd.).									
D Wallingford (Wantage Road) ...	A. Tame, Esq. ...	5	1	0	184	...	31.78	185	139
D Wallingford (Style Acre) ...	A. L. Morphew, Esq. ...	5	1	4	200	25.2	33.04	198	134
D Didcot (Sewage Works) ...	Wallingford R.D.C. ...	5	0	9	170	...	32.95	214	151
D Faringdon (Shellingford House) ...	Mrs. K. Marshall ...	5	...	...	275	...	33.80	191	154
d Abingdon (Sewage Works) ...	Borough Surveyor ...	8	1	0	170	22.8	30.76	199	143
D Abingdon (The Firs) ...	Miss M. R. Challenor ...	5	1	3	180	23.7	32.02	190	152
D Abingdon (Christ's Hospital) ...	F. Lewis, Esq. ...	5	1	0	190	...	31.31	186	149
D Abingdon (Frlford Heath) ...	R. A. Langford, Esq. ...	5	1	0	240	...	30.46	187	146
D ABINGDON Airfield ...	(+A) Meteorological Office ...	5	1	0	210	...	30.49	187	141
D Abingdon (Sandford Lane, S.W.) ...	D. Madley, Esq. ...	8	1	5	220	...	30.59	189	151
D Abingdon (Wootton Waterworks) ...	Borough Surveyor ...	5	1	0	265	...	32.19	187	149
D Boars Hill (Blackthorn) ...	A. C. Pilkington, Esq. ...	5	1	0	410	25.6	32.27	205	153
D Oxford (Kennington Nursery) ...	Forestry Commission ...	5	1	0	350	24.7	31.58	190	144
D Eynsham (Swinford Pumping Station) ...	H. H. Crawley, Esq., C.E. ...	5	1	0	203	...	31.43	184	144

DIVISION III—SOUTH MIDLAND COUNTIES

MIDDLESEX. (Area 232 sq. mi.)

1.—THAMES. Colne & Brent. 185 sq. mi.

D Weybridge (Shepperton Lock) ...	Thames Conservancy ...	5	1	0	41	23.1	35.01	199	147
D Littleton (Queen Mary Reservoir) ...	Metropolitan Water Board ...	5	1	0	44	23.0	33.99	192	149
D HAMPTON (Waterworks) ...	Metropolitan Water Board ...	5	1	0	39	22.7	30.05	194	132
D Kempton (Waterworks) ...	Metropolitan Water Board ...	5	1	0	40	22.6	29.44	176	137
D Hampton (Refuse Disposal Works) ...	L. G. Hamlin, Esq. ...	5	1	1	60	...	30.44	207	141
D Staines (Pumping Station) ...	Metropolitan Water Board ...	5	1	0	55	...	32.74	187	154
D Staines Reservoir (West Side) ...	Metropolitan Water Board ...	5	1	0	53	23.8	34.22	188	157
D Isleworth (Mogden Works) ...	(+A) C. B. Townend, Esq., C.E. ...	5	1	0	33	...	30.53	191	140
D Longford (Perry Oaks Disp. Works) ...	C. B. Townend, Esq., C.E. ...	5	1	0	77	...	31.71	180	150
d Hounslow (Pawnall Gardens) ...	P. W. Miller, Esq. ...	5	1	6	70	...	31.22	202	146
D Hounslow (Berkeley Avenue) ...	J. E. Cacutt, Esq. ...	5	1	0	80	...	32.49	196	144
D FELTHAM (LONDON AIRPORT) ...	(+A) Meteorological Office ...	5	1	0	80	...	31.82	188	139
D Sipson (Hollycroft) ...	R. R. Robbins, Esq. ...	5	1	0	94	22.5	34.42	202	153
D Kew Bridge (Waterworks) ...	Metropolitan Water Board ...	5	1	0	36	24.1	32.29	179	143
d Chiswick (Town Hall) ...	Borough Engineer ...	8	1	4	27	23.3	32.09	...	...
D Hanwell ...	(+A) Middlesex County Council ...	5	1	9	36	24.5	31.05	197	148
D Hayes ...	H. J. Harley, Esq. ...	8	1	0	120	...	31.90	200	146
D Ealing (Hanger Hill Reservoir) ...	Metropolitan Water Board ...	5	1	0	206	24.7	32.36	182	146
D Willesden Reservoir ...	Metropolitan Water Board ...	5	1	0	167	25.6	35.99	199	143
D Willesden (Stonebridge Park) ...	Borough Engineer ...	5	5	9	100	...	36.40	186	152
D NORTHOLT Airport ...	Meteorological Office ...	5	1	0	131	...	31.83	179	137
d Greenford (Whitton Drive) ...	R. M. Eadie, Esq. ...	5	1	0	152	...	33.93	...	147
D Wembley (Town Hall) ...	Borough Engineer ...	5	1	0	187	...	30.59	194	142
D Harrow (Oakhurst) ...	A. Gardner, Esq. ...	5	1	3	295	24.2	33.79	196	146
D Harrow (Eastcote Lane) ...	D. M. Woodman, Esq. ...	5	1	4	175	...	31.90	191	141
D Brent Reservoir ...	(+A) Docks & Inland Waterways ...	5	1	3	138	...	32.22	190	140
D Rayners Lane (High Worple) ...	R. H. Daw, Esq. ...	5	1	0	153	...	32.23	204	143
D Ruislip ...	(+A) Middlesex County Council ...	5	1	6	142	...	32.48	183	144
D Harrow (Headstone Road) ...	S. Hyla Greves, Esq. ...	5	1	0	208	...	35.41	220	151
D Hendon (Council Depot) ...	A. O. Knight, Esq., C.E. ...	8	1	0	157	...	33.13	189	149
D Finchley (Church End) ...	Sister Marie Jacques ...	5	0	8	296	...	33.03	191	137
D Ruislip Reservoir ...	Ruislip-Northwood U.D.C. ...	5	1	3	170	...	34.41	220	152
D PINNER (Hillcrest Avenue) ...	P. R. Hands, Esq. ...	5	1	0	170	...	33.14	207	144
D WEALDSTONE (Kodak Works) ...	Kodak Ltd. ...	5	1	0	175	...	34.30	210	150
D Northwood (Briarwood Drive) ...	C. C. Legge, Esq. ...	5	1	0	150	...	33.52	173	139
D Northwood (Ravenswood) ...	M. T. Allen, Esq. ...	5	2	0	365	...	34.32	187	149
d Edgware (M.C.C. Depot) ...	(+A) Middlesex County Council ...	5	0	9	179	25.8	31.44	181	141

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
MIDDLESEX—(contd.).									
1.—THAMES. Colne & Brent—(contd.).									
D Stanmore	(+A) Harrow U.D.C.	5	0	7	281	...	34·03	190	149
D Edgware (Francklyn Gardens)	A. R. Bill, Esq.	5	1	0	250	...	32·64	193	137
D Mill Hill (Barnet Way)	Major N. G. Brett-James	5	0	10	308	...	35·72	189	154
d Barnet (Old Fold View)	Capt. C. E. Mills	5	1	0	350	...	34·25	...	...
D Potters Bar (Parkfield School)	Headmaster	5	1	3	400	27·1	32·95	224	159
D Potters Bar (Sewage Disposal Works)	Engineer and Surveyor	5	1	0	260	...	30·91	190	147
2.—THAMES. Lea. 47 sq. mi.									
D Crouch End (Priory Park)	Hornsey Borough Council... ..	5	1	0	118	25·8	34·15	187	150
D Hornsey (High Street)	Metropolitan Water Board	5	1	0	107	24·9	33·31	183	146
D Harringay (Wightman Rod)	Hornsey Borough Council... ..	5	1	0	90	...	34·07	186	150
D Muswell Hill (Council Nurseries)	Hornsey Borough Council... ..	5	1	0	209	26·1	34·91	190	153
D Finchley (Avenue House)	P. M. Spencer, Esq., C.E.	5	0	11	278	26·3	36·94	176	154
D Palmers Green (Broomfield Pk.) (+A)	J. T. W. Peat, Esq.	8	1	6	136	24·7	34·27	178	147
D Enfield (Sewage Works)	Engineer & Surveyor	5	1	3	43	...	32·90	182	145
D SOUTHGATE (Oakwood Park)	(+A) Borough Engineer	5	1	0	220	...	32·37	190	144
D Ponders End (Pumping Station)	Metropolitan Water Board	5	1	0	45	23·3	31·33	175	144
D New Barnet (Gloucester Road)	J. W. Green, Esq.	5	1	0	250	...	33·85	183	127
D Enfield (Southbury Road)	Metropolitan Water Board	5	1	0	148	24·7	32·72	188	147
D East Barnet (Ashurst Road)*	E. N. Lettin, Esq.	5	1	0	254	...	34·91	197	151
D Enfield (Whitewebbs Park)	Engineer & Surveyor	5	1	2	120	...	31·51	172	144
D Waltham Cross (Sewage Works)	Cheshunt U.D.C.	5	1	0	61	22·6	32·60	179	135
HERTFORDSHIRE. (Area 635 sq. mi.)									
1.—THAMES. Thame. 10 sq. mi.									
D Tring (Pendley Manor)	D. E. Vallance, Esq.	5	1	0	420	28·4	36·78	215	159
2.—THAMES. Colne & Brent. 199 sq. mi.									
D Batchworth Heath (Bathend)	H. H. Annetts, Esq.	5	1	0	364	...	34·29	207	153
d Bushey Heath (California Lane)	Miss C. C. Cooper	5	1	0	550	26·0	31·96	...	...
D Bushey Heath Reservoir	Colne Valley Water Co.	5	1	3	520	...	31·27	189	143
w Totteridge (West Lodge)	P. D. Walker, Esq.	5	1	4	410	26·9	33·57	...	...
d Totteridge (Great Bushey Drive)	J. Monger, Esq.	5	0	11	250	...	35·33	...	...
D Batchworth (Pumping Stn.)	L. F. Hobbs, Esq., C.E.	5	1	2	156	...	33·93	196	146
D Watford (Pinner Road)	M. H. K. Irwin, Esq.	5	1	0	290	...	34·57	178	153
D Croxley Green (Hill Cottage)	B. P. Waller, Esq.	5	1	0	240	...	33·88	199	147
D Chorleywood (Berry Lane)	M. B. King, Esq.	5	1	0	230	...	34·86	194	143
D Barnet (Sewage Works)	(+A) E. Scott, Esq., C.E.	5	1	0	295	...	34·27	221	155
D Boreham Wood (Furzehill Road)	H. T. Court, Esq.	5	1	0	302	...	35·02	194	140
w Elstree (Aldenham Reservoir)	Colne Valley Water Co.	5	1	0	330	...	33·89	...	...
D Watford (Aldenham Road)	Colne Valley Water Co.	5	4	6	204	25·6	32·30	187	145
D Watford (Waterworks)	L. C. Kimberlin, Esq., C.E.	8	2	10	170	25·9	34·61	208	155
D Heronsgate (Waterfield House)	Miss J. M. Richardson	5	1	0	390	...	35·73	192	157
D Aldenham (C. of E. School)	L. W. Stratton, Esq.	5	1	0	298	...	32·46	182	139
D Watford (Callowland)	K. C. Rees, Esq.	5	1	0	250	...	33·21	197	131
D Garston (Building Res. Stn. Site B)	Director	5	1	0	230	...	33·04	184	146
D Garston (Building Research Stn.) (+A)	Director	5	1	0	250	...	33·51	196	144
D Kings Langley (Fir Tree Cottage)	Miss H. M. Toms	5	1	0	278	28·1	37·31	192	147
M Kings Langley (Ruckler's Lane)	L. H. Dennett, Esq.	5	1	0	264	...	36·94	...	...
D North Mimms (Pumping Station) (+A)	Barnet District Water Co.	5	1	0	254	...	32·14	186	145
D Hemel Hempstead (Apsley Mills)	J. Dickinson & Co. Ltd.	24	1	4	268	27·9	35·55	196	149
D Boxmoor (Moorlands)	L. W. Swainson, Esq.	5	1	0	300	...	37·31	...	...
D Colney Heath (Tyttenhanger P.S.)	Barnet District Water Co.	5	1	0	241	25·7	31·66	197	146
d St. Albans (Hill End Hospital)	Controller	5	1	0	295	25·1	34·71	...	149
D St. Albans (Stonecross P.S.)	L. W. Ball, Esq.	5	1	6	420	...	34·08	184	154
D ST. ALBANS (Oaklands)	Hertfordshire Inst. of Ag.	5	1	0	272	24·9	32·38	186	149

* Moved from Cockfosters (Norrays Road) in March

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
HERTFORDSHIRE—(contd.).									
2.—THAMES. Colne & Brent—(contd.).									
D St. Albans (Gorhambury) ...	Head Gardener ...	5	1	0	432	27·9	34·87	162	137
D Hatfield (Pumping Station) ...	Barnet District Water Co. ...	5	1	0	340	24·7	33·48	190	147
D Berkhamsted (Rossway) ...	Maj. A. G. N. Hadden-Paton ...	5	1	3	400	...	40·94	211	166
D Berkhamstead (Lagley) ...	Mrs. F. W. Johnston ...	5	1	0	400	...	36·42	187	154
D Berkhamsted (Amersfort) ...	W. S. Cohen, Esq. ...	5	1	0	510	...	34·92	177	158
D Berkhamsted (Frithesden Copse) ...	H. V. Gray, Esq. ...	5	1	0	550	...	38·41	181	147
D Tring (Cowroast Lock) ...	Docks & Inland Waterways ...	5	1	0	390	28·4	36·20	185	153
D Tring (New Ground P.S.) ...	Bucks Water Board ...	5	1	0	432	...	36·14	196	154
d Harpenden (West Common Way) ...	R. Meldrum, Esq. ...	5	1	0	420	...	35·39	...	156
D § Harpenden (ROTHAMSTED) ...	Lawes Agricultural Trust ...	5	1	0	420	...	34·41	200	156
D Harpenden (Rothamsted) ...	Lawes Agricultural Trust ...	5	1	0	420	27·3	34·01	203	153
D Harpenden (Rothamsted) ...	Lawes Agricultural Trust ...	72 × 87	0	0	420	28·6	35·98	212	157
D Markyate (Waterworks) ...	I. Wilson, Esq. ...	5	1	0	538	...	36·47	189	150
3.—THAMES. Lea. 340 sq. mi.									
D CHESHUNT (Experimental Station) ...	Director, Exp. Research Stn. ...	5	1	0	83	...	32·99	189	142
d Cheshunt (Cemetery) ...	Cheshunt U.D.C. ...	5	0	11	160	...	33·20	...	...
D Cheshunt Yard ...	Metropolitan Water Board ...	5	1	0	100	24·1	33·34	200	140
D Cheshunt (Darnicle Hill Pumping Stn.) ...	Metropolitan Water Board ...	5	1	0	250	26·2	32·98	191	144
D Hatfield (Clarke's Road) ...	C. A. Barnes, Esq. ...	8	1	0	270	...	32·59	204	145
D Broxbourne (Broxbournebury) ...	Mr. D. Cake ...	5	1	0	140	...	32·19	223	143
D Hoddesdon ...	H. F. Hayllar, Esq. ...	5	3	0	130	23·7	30·45	188	140
d Hoddesdon (Fielde's Weir) ...	Metropolitan Water Board ...	5	0	8	95	23·7	32·18	215	158
D Haileybury College ...	Headmaster ...	8	1	0	270	24·8	33·02	211	150
D EASTWICK LODGE FARM ...	Harlow Develop. Corpn. ...	5	1	3	160	...	29·02	199	139
d Hertford (Cole Green) ...	Lee Conservancy Catchm. Bd. ...	5	1	0	240	...	32·41	179	154
D Welwyn Garden City (Sewage Wks.) ...	Engineer & Surveyor ...	5	1	0	246	24·7	32·73	198	150
D Hertford (Sewage Works) ... (+A)	Metropolitan Water Board ...	5	1	0	123	23·3	32·22	187	146
D Ware (Red House) ...	Metropolitan Water Board ...	5	1	0	105	23·5	31·86	192	141
D Ware (Grammar School) ...	Headmistress ...	5	1	2	118	23·6	34·97	192	168
D Ware (Chadwell Spring) ...	Metropolitan Water Board ...	5	1	0	140	24·2	31·11	186	134
d Wheathampstead (Water End Ho.) ...	Countess Reventlow ...	5	1	0	255	...	36·40	...	...
D Blakesware ...	Lee Conservancy Catchm. Bd. ...	5	0	9	230	...	33·23	212	153
D Welwyn (Sewage Works) ...	C. B. Borthwick, Esq., C.E. ...	8	0	11	260	...	34·50	197	155
D Welwyn (Codicote Lodge) ...	Head Gardener ...	5	1	0	340	25·8	30·45	...	...
D Much Hadham (Moor Place) ...	R. C. Norman, Esq. ...	5	1	0	270	...	34·70	195	144
D Bishop's Stortford (Castle Mound) ...	Engineer & Surveyor ...	5	1	0	224	...	31·99	190	138
D Breachwood Green School ...	S. J. Simpson, Esq. ...	5	1	0	489	...	32·27	184	147
d Breachwood Green (Oxford Road) ...	Surveyor, Hitchin R.D.C. ...	8	1	0	480	...	33·48	...	...
D Bishop's Stortford (Dunmow Rd.) ...	H. J. Holmes, Esq. ...	5	1	1	290	...	32·47	197	143
d Little Hadham (Hadham Hall) ...	Herts County Council ...	5	1	0	338	...	32·70	...	...
D Knebworth Park ...	Stevenage Development Corp. ...	5	1	0	378	...	32·98	191	150
D Bragbury End ...	Stevenage Development Corp. ...	5	1	0	320	...	32·09	187	146
D Stevenage (Broomen Green) ...	Stevenage Development Corp. ...	5	1	0	307	...	32·91	185	136
D Hitchin (Preston Hill Farm) ...	F. H. Maybrick, Esq. ...	5	1	0	484	25·2	31·22	183	142
d Braughing (Upp Hall) ...	Lady Brodie Henderson ...	5	1	6	370	...	30·54	...	...
D Ardeley Bury ...	Lee Conservancy Catchm. Bd. ...	5	1	0	156	...	32·13	189	146
d Buntingford (Chipping) ...	Lee Conservancy Catchm. Bd. ...	5	0	7	340	...	31·46	...	144
D Royston (Therfield Rectory) ...	Rev. H. R. Humphreys ...	5	1	0	412	25·2	29·52	170	134
d Stevenage (Botany Bay) ...	Stevenage Development Corp. ...	5	1	0	420	...	32·99	...	141
D Hitchin (Knightswood) ...	H. Cooke, Esq. ...	5	1	2	300	...	32·09	206	145
4.—OUSE. 86 sq. mi.									
d Letchworth (Museum) ...	Surveyor U.D.C. ...	5	1	0	290	22·3	27·09	...	...
D Barley (Dalnyreed) ...	W. F. Sermons, Esq. ...	5	1	0	300	...	29·61	189	143
D Royston (Earls Hill House) ...	Col. E. C. M. Phillips, D.S.O. ...	8	1	3	225	23·6	30·68	205	154

§ Turf wall round gauge.

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

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		Diam.	Height of		Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more		
		in.	ft.	in.		ft.				in.	in.
BUCKINGHAMSHIRE. (Area 743 sq. mi.)											
1.—THAMES. Cherwell. 30 sq. mi.											
D	Wotton Underwood (Wotton Ho. Sc.)	Miss D. S. C. Wilson	...	5	1	0	277	...	31.75	184	144
2.—THAMES. Thame. 158 sq. mi.											
D	Princes Risborough (Research Lab.)	Director	...	5	1	0	333	...	33.55	190	150
D	Monks Risborough (Waterworks)	Bucks Water Board	...	5	1	0	363	...	35.55	195	161
D	Wendover (Dobbins Lane)	Bucks Water Board	...	5	1	0	402	...	35.99	195	158
d	Tring (Dancers End Pumping Stn.)	Bucks Water Board	...	5	1	0	650	...	36.93	...	163
D	Tring (Bulbourne)	Docks & Inland Waterways	...	5	1	0	401	26.2	34.93	192	157
D	Aylesbury (Sewage Works)	Engineer & Surveyor	...	5	1	0	251	25.9	33.41	181	149
D	Mentmore Gardens	Mr. T. Lindores	...	5	1	3	400	25.0	33.36	197	150
3.—THAMES. Wye & c. 129 sq. mi.											
D	Eton (Tangier Island)	G. S. Baker, Esq.,	...	5	0	8	68	24.6	33.44	197	151
D	Slough (Upton)	Mrs. L. R. Bentley	...	5	1	0	78	23.9	33.42	192	148
D	Slough (Baylis House)	Borough Engineer	...	5	1	0	90	...	32.86	198	150
D	Taplow Court Gardens	G. H. Emmett, Esq.	...	5	1	0	212	23.9	32.26	199	152
D	Henley-on-Thames (Greenlands)	Lord Hambleden	...	5	1	0	125	27.1	34.66	184	146
D	Burnham (Waterworks)	Engineer	...	5	1	0	180	...	34.87	196	154
d	Bourne End	B. C. Hammond, Esq.	...	5	1	0	96	...	37.01	197	162
D	Bourne End (Hedsor)	C. A. Blake, Esq.	...	8	1	4	156	...	35.89	182	151
D	Hambledon (Hatchmans)	Mrs. A. A. Gask	...	5	0	9	185	...	39.63	192	160
D	High Wycombe (Flackwell Heath)	W. C. F. Fairley, Esq.	...	5	1	0	365	26.8	35.46	188	150
D	High Wycombe (Pann Mill P.S.)	S. Young, Esq.	...	8	1	1	219	...	38.09	206	156
M	High Wycombe (Lane End Res.)	S. Young, Esq.	...	5	1	0	659	...	40.38	...	...
D	Penn (Rayners)	Mr. E. Peett	...	5	1	10	547	29.4	39.33	189	153
D	Radnage (Yewdsen)	Rev. A. H. Cooper	...	5	1	6	400	...	39.39	211	167
4.—THAMES. Colne 133 sq. mi.											
d	Wraysbury School	R. Watson, Esq., L.C.P.	...	5	0	8	59	...	32.41	...	...
D	Slough (Ditton Park)	Admiralty	...	5	2	0	70	24.7	33.90	176	136
D	Gerrards Cross (Mill Lane)	A. L. Carroll, Esq.	...	5	1	0	280	...	35.25	201	156
d	Denham (Golf Club)	Secretary	...	5	1	6	210	26.4	32.50	...	145
D	Gerrards Cross (Bulstrode Gdns.)	Miss F. Hill	...	5	1	6	280	27.2	36.52	196	158
D	Chalfont St. Peter (The Colony)	J. W. Edwards, Esq.	...	8	1	2	340	...	35.59	210	149
	Amersham (Waterworks)	L. F. Hobbs, Esq.	...	8	1	0	292	...	41.99	210	164
D	Amersham (Chestnut Lane)	R. L. Alexander, Esq.	...	5	1	3	500	...	43.00	204	165
D	Gt. Missenden (Pumping Stn.)	L. F. Hobbs, Esq., C.E.	...	5	0	11	372	27.6	40.97	197	164
D	Chesham (Nashleigh Hill)	Mrs. Hayes	...	5	1	0	534	29.1	39.76	203	155
D	Wendover (Pumping Station)	Bucks Water Board	...	8	1	0	486	...	39.95	216	162
D	Chesham Vale (Hawridge P. S.)	Bucks Water Board	...	5	1	0	423	...	39.19	184	153
d	Little Gaddesden (Ringshall End)	Mrs. Bradby	...	5	1	1	700	28.9	35.32	...	...
D	Dagnall (Ivinglea)	E. L. Hawke, Esq., M.A.	...	5	1	0	550	...	39.18	221	173
5.—OUSE. 293 sq. mi.											
d	Oving House	Head Gardener	...	5	1	0	515	26.4	33.01	...	...
d	Wing (Burcott Lodge Farm)	B. B. Winter, Esq.	...	5	1	0	420	...	31.80	...	...
d	Twyford Vicarage	Rev. J. L. Payne	...	5	0	9	279	...	33.59	...	...
D	Swanbourne House School	C.N.Wynn, Esq., F.R.Met.Soc.	...	5	1	0	410	26.3	31.12	179	144
D	Buckingham (Sec. Modern School)	Headmaster	...	5	1	0	303	...	30.62	195	149
D	Buckingham (Market Hill)	A. Pettipher, Esq.	...	5	1	0	300	25.3	28.90	211	144
D	Newport Pagnell (Lovat Bank)	F. W. Taylor, Esq.	...	5	1	8	250	...	29.86	186	149
D	Newport Pagnell (Wolverton Road)	J. Coales, Esq.	...	8	1	6	182	23.2	29.18	191	145
D	Olney (Waterworks)	F. C. Gasson, Esq.	...	5	1	0	175	...	31.03	208	147
D	Olney (Colchester House)	R. E. Sowman, Esq.	...	5	0	9	170	...	29.43	191	143
D	Turvey (Brayfield House)	Major M. E. Farrer	...	5	5	0	180	23.3	29.36	170	140

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

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		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above Ground	Ground above Sea Level				·01 in. or more	·04 in. or more
OXFORDSHIRE. (Area, 756 sq. mi.)		in.	ft.	in.	ft.	in.	in.		
1.—SEVERN. Upper Avon. 10 sq. mi.									
D Sibford Ferris (Grounds Farm) ...	B. W. Lamb, Esq. ...	5	3	0	570	27·3	32·92	203	151
D Sibford Gower Vicarage ...	Rev. W. M. Grogan ...	5	1	5	600	...	33·69	190	140
2.—THAMES. Windrush & c. 261 sq. mi.									
D Kelmscott ...	R. Hobbs, Esq. ...	6	1	0	230	24·8	32·54	189	151
d Witney (Grammar School) ...	A. L. Parker, Esq., M.A. ...	5	0	11	275	...	36·54	...	136
d Charlbury (Cornbury Park) ...	Head Gardener ...	5	1	0	420	...	36·80	...	137
d Chadlington (The Manor) ...	Paul Handy, Esq. ...	5	1	0	400	...	33·11	...	145
D Glympton Rectory ...	Rev. C. H. Cox ...	5	1	0	310	...	35·95	202	152
D Chipping Norton (Heythrop College) ...	Meteorologist ...	8	1	0	600	28·0	37·32	222	156
D Chipping Norton (Bungalow) ...	T. H. Pettipher, Esq. ...	5	1	0	750	27·6	36·35	194	156
3.—THAMES. Cherwell. 250 sq. mi.									
D Littlemore (Sewage Farm) ...	City Engineer, Oxford ...	8	1	0	209	...	30·87	183	145
D Oxford (Hinksey Pumping Station) ...	H. H. Crawley, Esq., C.E. ...	8	1	0	187	24·0	30·77	185	138
d Oxford (Osney Lock) ...	Thames Conservancy ...	5	1	6	186	24·4	30·70	...	136
D Oxford (Magdalen College) ...	F. J. Parker, Esq. ...	5	1	0	186	23·8	30·95	198	134
D Oxford (Richmond Road) ...	R. A. Bowen, Esq. ...	5	1	0	200	...	33·19	199	146
D Oxford (Norham Rd.) ...	Miss Josephine Fry ...	5	1	0	200	...	33·12	180	141
D OXFORD (Radcliffe Met. Station) ...	Reader in Climatology ...	8	1	0	208	24·8	33·70	202	141
d Oxford (Banbury Road) ...	P. E. Saunder, Esq. ...	5	1	6	200	...	34·17	...	145
d Noke (Orchard Cottage) ...	Miss S. M. Fry ...	5	1	0	200	...	34·07	196	147
D Kidlington (Shipton Manor) ...	A. J. Wells, Esq. ...	5	1	0	243	...	32·68	199	143
D Tackley (Hampton) ...	W. Evetts, Esq. ...	5	1	0	266	...	32·52	174	133
d Middleton Park ...	A. C. J. Wall, Esq. ...	5	1	0	326	25·8	(32·80)	...	...
d West Adderbury (Cross Hill) ...	Lt.-Col. H. E. du C. Norris ...	5	1	0	338	25·4	35·69	...	149
D North Newington (Orchard House) ...	H. J. Busby, Esq. ...	5	1	3	392	...	34·67	222	158
D *Grimsbury (Banbury W.W.) ...	Banbury Water Co. ...	5	1	3	299	...	32·82	191	147
4.—THAMES. Thame & c. 210 sq. mi.									
D Henley-on-Thames (Hart Street) ...	A. Edward Hobbs, Esq. ...	5	1	0	110	25·8	36·34	194	150
D Henley-on-Thames (Greys Lane) ...	G. F. Smith, Esq. ...	5	1	1	123	26·1	37·60	191	158
D Stoke Row Vicarage ...	Rev. C. Isherwood ...	5	1	0	576	...	41·03	195	165
D Checkendon (Uxmore) ...	Major F. P. Landon ...	5	1	0	588	...	39·39	221	163
D Ipsden (Vicarage) ...	Rev. P. D. Irwin ...	5	1	0	225	...	36·01	190	143
D Ipsden (Hailey) ...	A. F. Williams, Esq. ...	5	1	0	350	27·0	34·64	197	149
D Swyncombe House ...	C. W. Christie-Miller, Esq. ...	5	1	0	515	30·2	39·66	182	151
D Swyncombe (Cookley House) ...	J. S. C. Bridge, Esq. ...	5	1	0	730	30·7	40·90	203	158
D Benson Airfield ...	(+A) Meteorological Office ...	5	1	0	219	...	32·88	195	141
d Watlington (Britwell Salome) ...	R. Roadnight, Esq. ...	5	1	0	400	...	37·58	...	143
D Watlington (Cuxham) ...	Miss M. E. Edwards ...	5	0	10	200	...	36·02	197	139
D Clifton Hampden (Manor House) ...	The Hon. Mrs. G. Gibbs ...	5	1	0	190	23·7	33·50	207	153
D Watlington (Pyrton Manor) ...	Col. Ducat Hamersley ...	5	1	0	325	26·5	37·58	200	168
D Drayton St. Leonard (Guy's) ...	R. Jackson, Esq. ...	5	1	0	164	...	30·62	192	139
D Wheatfield ...	Lt.-Col. A. V. Spencer, D.S.O. ...	5	0	11	260	25·6	34·97	185	145
d Toot Baldon (Potlands) ...	H. J. Richens, Esq. ...	5	1	0	289	24·7	33·63	...	151
D Thame (Chiltern Grove) ...	H. Badger, Esq. ...	5	1	0	220	...	33·91	195	156
NORTHAMPTONSHIRE. (Area, 1,003 sq. in.)									
1.—SEVERN. Upper Avon. 60 sq. mi.									
D Rugby (Braunston Rectory) ...	Rev. H. E. Ruddy ...	5	1	0	385	...	34·89	217	149
D Naseby Reservoir ...	Docks & Inland Waterways ...	5	2	0	519	25·2	31·97	238	163

* Reporting to the Northamptonshire Natural History Society.

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
NORTHAMPTONSHIRE—(contd.).									
2.—THAMES. Cherwell. 77 sq. mi.									
3.—OUSE. 148 sq. mi.									
D Hazelborough Woods ...	... Forestry Commission ...	8	1	0	441	...	33.44	183	140
D Towcester (Bradden House) ...	... J. C. Grant-Ives, Esq. ...	5	0	10	420	26.5	32.07	189	155
D Towcester (Easton Neston) ...	... The Rt. Hon. Lord Hesketh ...	8	1	0	325	26.6	32.36	186	153
d Hargrave Hall ...	... Harold A. Pedley, Esq. ...	5	1	2	270	23.7	29.92	...	...
4.—NENE. 622 sq. mi.									
D Blisworth (Grand Union Canal) ...	Docks & Inland Waterways ...	5	4	6	296	23.8	33.79	185	153
d Yardley Hastings (Forest Lodge) ...	Forestry Commission ...	8	1	3	370	26.4	30.27	...	147
d *Little Houghton House ...	Mrs. Davidge ...	5	1	0	270	24.3	29.20	...	134
D Northampton (Hardingstone Gen. Stn.)	British Electricity Authority**	5	1	0	189	...	26.54	188	140
D *Northampton (St. Crispin Hospital) ...	Medical Superintendent ...	5	1	7	398	24.3	28.95	177	139
D *Northampton (Stimpson Avenue) ...	Mid-Northants Water Board	8	1	0†	329	...	29.02	180	141
D *Northampton (Mercers Row) ...	C. W. Boddington, Esq. ...	5	12	0	250	23.6	30.26	210	156
D *Duston (Southfield Road) ...	W. P. Walker, Esq. ...	5	1	0	342	25.4	31.19	204	155
D Brockhall (Old Rectory) ...	Major J. Orr Ewing, M.C. ...	5	0	11	380	...	30.28	178	141
d Wollaston (Pumping Station) ...	A. Millar, Esq., C.E. ...	5	1	9	140	...	28.37	...	...
D Wollaston ...	G. Harris, Esq. ...	5	1	0	250	23.0	29.26	193	145
D Daventry (Tunnel End) ...	Docks & Inland Waterways ...	5	1	6	394	25.5	30.61	191	143
D *Althorp Park ...	Head Gardener ...	5	0	11	400	26.1	28.60	219	146
D Rushden (Cemetery) ...	A. Millar, Esq., C.E. ...	5	1	0	260	...	27.76	207	139
D *Boughton Park ...	A. J. Old, Esq. ...	5	1	3	350	...	32.11	236	160
D Wellingborough (Nene Wharf) ...	R. Nene Catchment Board	5	1	0	135	...	28.00	186	143
D *Wellingborough (Swanspool) ...	R. Kilby, Esq. ...	5	1	0	187	24.3	29.11	195	145
d Wellingborough (Sewage Works) ...	R. Kilby, Esq. ...	5	1	0	139	23.2	25.61	165	133
D Wellingborough (Hatton Park Road) ...	L. G. Cottingham, Esq. ...	5	1	0	290	...	30.48	187	144
D Wellingborough (Bushfield W.W.) ...	Mid-Northants Water Bd.	8	0	11	286	23.3	28.36	182	139
D Wellingborough (Ironworks) ...	Wellingboro' Iron Co. Ltd.	5	0	7	184	...	27.88	177	136
D *Ravensthorpe ...	Mid-Northants Water Bd. ...	5	0	11	320	25.5	31.25	185	157
d Great Harrowden (The Hall) ...	L. J. Farnham, Esq.**	5	1	4	290	...	30.10	173	147
D *Hollowell ...	Mid-Northants Water Bd. ...	5	1	0	400	...	33.49	220	168
D RAUNDS (Madison) ...	T. C. Smith, Esq. ...	5	1	0	193	...	28.76	197	148
d Orlingbury (Pumping Station) ...	Mid-Northants Water Board	5	1	0	286	...	29.67	163	138
D *Kettering W.W. (Cransley) ...	Mid-Northants Water Board	8	1	6	275	23.7	31.18	222	154
D *Kettering (Sewage Works) ...	Borough Engineer ...	8	1	2	199	24.2	31.98	203	154
D Kettering W.W. (Thorpe Malsor) ...	Mid-Northants Water Board	5	1	0	345	24.8	30.98	191	150
d Harrington (Church Farm) ...	P. R. Jackson, Esq.**	5	4	6	500	...	31.35	...	151
d Kettering W.W. (Clover Hill) ...	Mid-Northants Water Board	5	1	1	344	24.2	29.79	173	146
D Thrapston (Drayton House) ...	Mr. C. V. Craske ...	5	1	6	220	24.7	29.74	194	145
d Thrapston (Islip Furnaces) ...	Messrs. Stewarts & Lloyds**	5	...	...	...	...	26.50	...	...
D Tichmarsh Rectory ...	Rev. Canon A. M. Luckock*	5	1	0	170	23.9	30.03	189	145
D Rothwell (Shotwell Mill W.W.) ...	Surveyor, U.D.C. ...	5	1	6	340	23.6	29.97	188	146
D Desborough (U.D.C. Waterworks) ...	Mid-Northants Water Bd.	5	0	9	457	24.7	31.48	203	147
d Oundle (Nene Wharf) ...	R. Nene Catchment Board	5	1	0	65	...	29.51	...	...
D Corby ...	Messrs. Stewarts & Lloyds**	5	1	0	365	...	28.09	184	147
D Kings Cliff (Apethorpe) ...	R. Nene Catchment Board	5	1	0	127	...	29.53	192	135
D Peterborough (Woodston) ...	British Sugar Corp'n. Ltd.	5	1	0	37	22.3	28.08	188	147
D Peterborough (Westbourne House) ...	E. H. Colman, Esq. ...	5	1	0	35	21.6	25.93	187	132
D Peterborough (Sewage P.S.) ... (+A)	F. J. Smith, Esq., C.E. ...	8	0	10	9	...	26.05	166	135
D Wittering (Bone Mill) ...	E. Betts, Esq. ...	8	1	0	183	23.5	27.16	184	134

* Reporting to the Northamptonshire Natural History Society.

† "Ground" is the roof of a reservoir 18 ft. above the general level.

** Per R. Nene Catchment Board.

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
NORTHAMPTONSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
5.—WELLAND. 96 sq. mi.									
d Gretton (Hillside) ...	W. Leeson, Esq. ...	5	1	0	275	...	30·50	...	...
D Market Deeping (Etton) ...	F. J. Smith, Esq., C.E. ...	8	1	0	36	21·8	25·40	166	127
HUNTINGDONSHIRE. (Area, 366 sq. mi.)									
1.—OUSE. 327 sq. mi.									
d Great Gransden ...	Major E. W. R. Bolden ...	5	1	0	150	...	27·76	173	136
D St. Neots (The Square) ...	late Miss L. Sibley ...	5	0	10	50	...	24·99	179	134
D Hemingford Grey (Church Lane) ...	A. G. W. Briars, Esq. ...	5	1	0	25	...	27·92	180	137
D Hemingford Grey ...	F. W. Norris, Esq. ...	5	2	0	20	21·9	26·36	179	130
D St. Ives (Tenterleas) ...	Mr. H. E. Bell ...	5	1	0	25	22·6	27·16	186	119
D Bluntisham Rectory ...	Rev. J. S. L. David... ..	5	1	0	50	...	27·90	240	180
d Conington Castle Gardens ...	G. McLeod, Esq., C.E. ...	5	1	0	25	...	30·88	158	136
D Ramsey (Biggin Lane) ...	W. T. Carter, Esq. ...	5	1	0	70	...	28·66	161	128
D Benwick (Four Hundred Farm) ...	G. McLeod, Esq., C.E. ...	5	1	0	5	...	26·66	180	129
D Whittlesea Mere ...	G. McLeod, Esq., C.E. ...	8	1	6	10	21·4	26·07	175	127
D Peterborough (Farcet) ...	G. E. D. Alcock, Esq. ...	5	1	0	60	...	27·86	185	137
2.—NENE. 39 sq. mi.									
BEDFORDSHIRE. (Area, 467 sq. mi.)									
1.—THAMES. Colne. 20 sq. mi.									
D Studham Hall ...	A. S. Butler, Esq. ...	5	1	0	636	...	34·36	191	151
D WHIPSNADE Park ...	Zoological Society ...	5	1	0	720	28·7	38·64	239	167
2.—THAMES. Lea. 32 sq. mi.									
D Luton (Pumping Station) ...	Borough Engineer ...	5	1	2	330	25·8	32·11	179	146
D Dunstable (Waterworks) ...	Dunstable Gas & Water Co. ...	5	1	0	520	...	32·80	187	160
D Dunstable (Cemetery) ...	Borough Engineer ...	8	1	3	515	...	32·19	188	150
D LUTON (Wardown Park) ...	Borough Engineer ...	5	1	0	381	...	32·90	184	152
3.—OUSE. 408 sq. mi.									
D Luton (Stopsley) ...	Lee Conservancy Catchm. Bd. ...	5	1	0	540	25·7	35·77	192	153
D DUNSTABLE ...	Meteorological Office ...	5	1	0	516	...	32·63	181	150
D Leighton Buzzard (Heath Road) ...	Great Ouse Catchment Bd. ...	5	1	0	250	...	31·07	209	153
D Battlesden (Pumping Station) ...	Bucks Water Board ...	8	1	0	358	...	31·94	181	145
D Meppershall (High Street) ...	Mrs. F. Rainbow ...	5	1	0	250	22·9	26·16	164	137
D Hockliffe (Lyndhurst) ...	C. J. Kilby, Esq. ...	5	1	0	241	25·0	(31·53)	182	143
D WOBURN (Experimental Farm) ...	Lawes Agricultural Trust ...	8	1	0	291	23·9	30·58	193	145
d Letchworth (New Sewage Works) ...	Surveyor, U.D.C. ...	5	1	0	209	22·3	25·57	...	130
d Stotfold (Three Counties Hospital) ...	Dr. McDiarmid ...	5	1	6	220	22·6	26·94	...	126
D Silsoe (The Red House) ...	H. I. Godfrey, Esq. ...	5	1	0	212	22·2	29·08	165	140
D SILSOE (Wrest Park) ...	(+A) Nat. Inst. of Agric. Eng. ...	5	1	0	195	...	28·07	176	131
D Arlesey (Sewage Works) ...	H. W. Pridmore, Esq. ...	5	1	0	141	22·4	27·88	176	139
D Stotfold (Sewage Works) ...	H. W. Pridmore, Esq. ...	5	1	0	130	...	27·88	176	138
D Ampthill (Lyme Road) ...	J. K. Horne, Esq. ...	5	1	0	300	...	30·92	179	140
D Shefford (Clifton Close) ...	C. H. Inskip, Esq. ...	5	1	6	90	22·2	25·85	...	...
D Biggleswade (New Spring P.S.) ...	T. A. Staniforth, Esq. ...	5	1	6	175	21·6	26·71	178	135
D CRANFIELD Airfield ...	(+A) Meteorological Office ...	5	1	0	340	...	26·79	176	133
D Kempston ...	Mr. C. S. Payne ...	6	2	0	125	...	25·97	...	...
D Potton (Sewage Works) ...	H. W. Pridmore, Esq. ...	5	1	0	111	21·7	26·34	204	147
D Sandy (Mogerhanger Park) ...	W. R. Pettifer, Esq. ...	5	1	0	152	23·1	26·81	169	142
D Sandy (Sewage Works) ...	Sandy U.D.C. ...	5	0	10	72	...	24·63	163	135
D Bedford (Castle Road) ...	Miss M. E. Newbery ...	5	4	0	100	22·3	27·66	181	139

DIVISION III—SOUTH MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge				Average Rain- fall	1951				
				Diam.	Height of		ft.		in.	Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more	
		above Ground		above Sea Level									
BEDFORDSHIRE—(contd.).						in.	ft.	in.	ft.	in.	in.		
3.—OUSE—(contd.).													
D	BEDFORD (Queens Park)	...	...	J. K. Rothwell, Esq.	...	5	1	0	92	...	27·36	177	136
D	Bedford (Hurst Grove)	...	...	E. H. Lock, Esq.	...	5	1	0	90	...	27·46	167	137
D	Bedford (Bedford Park)	...	(+A)	Borough Engineer	...	8	1	3	117	...	25·09	174	129
D	Goldington (Castle Mill House)	...	...	G. A. Rogers, Esq.	...	5	1	6	79	21·9	26·14	180	130
D	Great Barford House	...	...	J. Arnold Whitchurch, Esq.	...	5	1	6	126	22·1	26·21	169	138
d	Pavenham	...	...	C. D. Linnell, Esq.	...	5	1	2	200	22·4	28·94	...	147
D	Carlton (Stayesmore Manor)	...	...	Col. G. A. Battcock	...	5	1	0	168	...	30·04	183	143
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.	...	5	1	6	256	23·0	29·13	186	138
	Abington Pigotts Hall	...	...	Mr. H. Witherow	...	5	1	0	75	21·8	29·01	...	...
D	Melbourn (County School)	...	...	W. Ogden, Esq.	...	5	1	4	85	...	28·70	185	141
D	Meldreth (Chiswick Farm)	...	...	A. T. Howard, Esq.	...	5	1	1	70	...	29·21	183	145
D	Horseheath (Old Rectory)	...	...	O. Tabram, Esq.	...	5	1	0	320	...	34·38	203	143
D	Hildersham (Old Mill House)	...	...	Lt-Col. O. B. Foster, M.C.	...	5	1	6	108	...	28·05	208	145
D	Great Shelford Vicarage	...	...	Rev. R. Gardner	...	5	1	0	50	...	26·54	185	125
D	Fulbourn (Fleam Dyke)	...	...	Cambridge W.W. Co.	...	5	1	0	99	23·0	25·43	193	125
D	Fulbourn (Hospital)	...	...	Head Gardener	...	5	0	6	72	22·7	27·60	162	138
D	Cambridge (Barrow Road)	...	...	N. T. Myers, Esq.	...	8	0	9	47	22·3	25·72	166	120
D	Cambridge (33 Barrow Road)	...	...	Rev. H. C. Newbery	...	5	1	6	30	22·0	26·94	180	127
D	Cambridge (Corporation Store Yard)	...	...	Borough Engineer	...	5	1	8	52	21·2	25·39	...	...
D	CAMBRIDGE (BOTANIC GARDENS)	...	...	Director	...	5	1	0	41	21·8	26·39	170	127
	Cambridge (Glisson Road)	...	...	Rev. M. de Courcy-Ireland	...	5	1	0	48	...	29·15	168	122
D	Cambridge (Corporation P.S.)	...	...	Borough Engineer	...	5	2	4	42	22·1	25·67	169	122
D	Cambridge (Oxford Road)	...	...	J. Doggett, Esq.	...	5	1	0	62	...	27·57	181	127
d	CAMBRIDGE (N.I.A.B.)	...	...	Director	...	5	1	0	85	...	27·21	175	130
d	Dullingham (Stetchworth Park)	...	...	Mr. H. Fern...	...	5	1	3	270	...	29·47	165	141
d	Quy Hall	...	...	Lt.-Col. J. C. W. Francis	...	5	0	9	18	22·6	30·36	...	...
D	BOXWORTH	...	...	Farm Director	...	5	1	0	157	...	26·96	196	136
D	Boxworth (Manor House)	...	...	Lt.-Col. E. B. Thornhill, M.C.	...	5	1	0	76	23·4	29·78	238	143
d	Waterbeach (Bottisham Lock)	...	...	Great Ouse Catchment Bd.	...	5	1	7	10	20·5	24·32	160	122
D	Cottenham (Bernard House)	...	...	Miss K. Bull	...	5	1	6	30	22·1	27·19	211	136
D	Fordham (London House)	...	...	W. V. Bloom, Esq.	...	5	1	0	30	21·4	25·74	166	132
d	Stretham Engine House	...	...	C. O. Clarke, Esq.	...	5	1	0	13	21·2	24·19	156	121
D	Ely (Roswell Pits)	...	...	Great Ouse Catchment Bd.	...	5	2	0	114	...	25·57	173	136
D	Ely (Prickwillow)	...	...	Supt. Middle Fen Comm.	...	...	...	...	10	...	27·38	180	139
D	Littleport (Highfield House)	...	...	H. G. Martin, Esq....	...	8	4	0	67	21·3	24·18	169	129
D	Chatteris (The Vicarage)	...	...	Rev. J. C. Hawthorn	...	5	0	11	30	...	25·01	211	125
D	Chatteris (Cemetery)	...	...	G. McLeod, Esq., C.E.	...	5	1	0	25	...	25·39	168	120
D	Chatteris (Puddock Bridge)	...	...	G. McLeod, Esq., C.E.	...	5	1	0	5	...	25·66	163	131
D	Whittlesey (Glassmoor Bungalow)	...	...	Whittlesey Farcet Int. D. Bd.	...	5	1	3	1	...	25·99	159	130
D	Whittlesey (Ashline Sluice)	...	...	G. McLeod, Esq., C.E.	...	5	1	0	15	...	25·94	146	124
D	March	...	...	G. McLeod, Esq., C.E.	...	5	1	0	8	22·8	26·62	145	139
D	Upwell (Marmont Priory Lock)	...	...	G. McLeod, Esq., C.E.	...	8	1	0	10	20·6	24·65	194	129
3.—NENE. 105 sq. mi.													
D	Stanground Sluice	...	...	G. McLeod, Esq., C.E.	...	5	1	0	15	21·7	27·27	183	139
d	Thorney Toll (Elm Tree Farm)	...	...	Mrs. Snushall	...	5	2	6	6	...	26·08	...	128
D	Thorney (North House)	...	...	H. W. Burton, Esq.	...	5	1	0	4	...	23·59	177	123
d	Thorney (Nutsgrove Farm)	...	...	T. R. Pick, Ltd.	...	5	0	5	12	...	24·22	...	126
D	Parson Drove (Clough's Cross)	...	...	J. C. Purser, Esq.	...	8	1	0	6	22·1	25·17	181	133
d	Wisbech (Tydd Manor)	...	...	Messrs. A. H. Carter & Sons	...	5	6	0	9	...	24·79	...	...

DIVISION IV—EASTERN COUNTIES

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1951		
		Diam. in.	Height of Rim above Ground ft.	Height of Ground above Sea Level ft.	in.		Rain- fall in.	Days with ·01 in. or more	Days with ·04 in. or more
ESSEX. (Area, 1,532 sq. mi.)									
1.—THAMES. Lea. 132 sq. mi.									
D West Ham (Abbey Mills) ...	London County Council ...	8	0	8	15	22·3	32·05	181	141
D Leyton (Sewage Works) ...	Borough Engineer ...	5	0	9	22	23·0	33·56	188	147
D Lea Bridge (Waterworks) ...	Metropolitan Water Board	5	1	0	23	22·0	32·50	178	145
D Walthamstow (Ferry Lane) ...	Metropolitan Water Board	5	1	0	30	22·6	30·98	178	138
D *Woodford (Haggar Lane) ...	Metropolitan Water Board	8	1	0	176	23·0	33·42	174	143
D *Buckhurst Hill Reservoir ...	Metropolitan Water Board	5	1	0	275	23·9	33·82	184	146
D Chingford (Beresford Road) ...	H. Hawkins, Esq. ...	5	0	10	150	...	33·70	186	143
D Chingford (Crescent Road) ...	Miss M. L. Mathieson ...	5	1	0	200	23·3	33·77	183	147
D Chingford Mill ...	Metropolitan Water Board	5	1	0	40	23·0	31·89	183	137
D Loughton (High Beech Res.) ...	Metropolitan Water Board	8	1	0	376	25·1	36·19	192	155
D Waltham Abbey (Rammey Marsh) ...	Metropolitan Water Board	5	1	0	60	23·4	32·25	179	142
D Waltham Abbey (Pumping Stn.) ...	Metropolitan Water Board	5	1	0	62	23·3	32·50	191	144
D Waltham Abbey (Gunpowder Factory) ...	Superintendent ...	5	1	0	64	...	31·64	...	...
D Harlow (Hill House) ...	Capt. T. M. Illingworth ...	5	1	0	175	...	30·74	189	139
D Spellbrook Lock ...	Lee Conservancy Catchm. Bd.	5	0	9	172	...	31·30	173	139
D Hatfield Broad Oak (Barrington) ...	A. H. Gosling, Esq. ...	5	0	10	300	24·3	32·07	193	145
D Stansted Nurseries ...	C. G. Hill-Smith, Esq. ...	5	1	0	275	...	33·18	197	143
D Stansted (Burton Bower) ...	Major E. Cawkell ...	5	1	0	335	...	31·54	196	141
D Stansted (Bentfield Place) ...	Major W. S. Gosling ...	5	0	9	300	24·6	32·85	195	...
D Clavering (Clavering Hall) ...	Messrs. Tinney & Hitchcock	5	0	9	300	...	31·51	191	147
2.—THAMES. Roding & c. 316 sq. mi.									
D Grays (Sewage Works) ...	Manager ...	8	2	0	9	20·3	28·06	174	124
D Tilbury (Beaconsfield Road) ...	C. S. H. Hawkes, Esq., C.E.	5	1	0	6	20·2	28·17	...	...
D Purfleet ...	Thames Board Mills, Ltd.	8	1	0	4	...	28·37	180	131
D Grays (Connaught Avenue Depot) ...	C. S. H. Hawkes, Esq., C.E.	5	1	6	80	...	26·62	...	...
D Rainham (Riverside Sewage Wks.) ...	Dagenham U.D.C.	8	1	6	5	19·3	28·47	196	135
D Rainham (Spring Farm Rec. Grd.) ...	Hornchurch U.D.C.	5	1	0	24	...	28·01	177	137
D Orsett Hall ...	Col. Sir Francis Whitmore	8	1	2	70	...	27·81	...	...
D Barking ...	Engineer and Surveyor ...	5	1	0	5	...	30·18	170	139
D EAST HAM (Central Park) ...	Corporation ...	8	1	0	15	22·3	28·88	188	137
D East Ham Well ...	Met. Water Board ...	5	1	0	17	21·6	29·47	185	131
D Canvey Island ...	Engineer & Surveyor ...	5	1	0	9	...	28·55	192	130
D Ilford (Loxford Park) ...	L. E. J. Reynolds, Esq., C.E.	5	1	0	30	...	31·88	194	137
D Ilford (Goodmayes Park) ...	L. E. J. Reynolds, Esq., C.E.	5	1	0	38	...	31·49	181	129
D Ilford (Valentines Park) ...	(+A) L. E. J. Reynolds, Esq., C.E.	5	1	0	43	...	29·93	193	131
D Ilford (Clayhall Park) ...	L. E. J. Reynolds, Esq., C.E.	5	1	0	109	...	32·61	191	128
D Ilford (Barkingside) ...	N. Twydell, Esq. ...	5	1	0	85	...	31·17	189	132
D Ilford (Hainault Rec. Ground) ...	L. E. J. Reynolds, Esq., C.E.	5	1	0	105	...	32·47	185	144
D SOUTHEAD (The Cliffs) ...	Pier Master ...	8	1	0	90	...	25·28	184	128
D Southend (Waterworks) ...	Southend Waterworks Co.	8	1	0	123	20·3	25·94	176	126
D Vange (Pumping Station) ...	Southend Waterworks Co.	5	1	0	43	...	27·82	183	134
D Manor Park (City of London Cem.) ...	Superintendent ...	5	0	6	50	22·4	30·64	198	148
D Pitsea (Pumping Station) ...	Southend Waterworks Co.	5	1	0	28	20·6	29·52	...	...
D Horndon (Eastern Sewage Works) ...	Hornchurch U.D.C.	5	1	3	23	20·5	27·48	172	135
D Hornchurch (Kenilworth Gardens) ...	R. G. Burrell, Esq. ...	5	1	0	80	...	29·32	205	133
D Hornchurch ...	Hornchurch U.D.C.	8	1	0	44	21·0	30·84	180	139
D Wanstead (Red Bridge) ...	Metropolitan Water Board	5	1	0	25	22·8	30·16	177	128
D Romford (Raphael Park) ...	Engineer & Surveyor ...	5	1	0	109	...	28·49	180	128
D Harold Wood (Recreation Ground) ...	Hornchurch U.D.C.	5	1	0	93	...	29·46	174	134
D Havering-atte-Bower (Fernside) ...	E. W. Smith, Esq. ...	5	1	0	365	25·8	31·16	201	161
D Brentwood (Secondary Boys' School) ...	Headmaster ...	5	1	0	396	...	29·78	190	136
D Loughton (The Summit) ...	Mrs. Stoker ...	5	0	9	314	...	34·22	196	142
D Theydon Bois (Thriffs Hill) ...	I. Lloyd-Jones, Esq. ...	5	1	0	245	...	30·64	179	133
D Theydon Bois (Birch Hall) ...	Lt.-Col. E. N. Buxton ...	5	0	11	300	23·8	(31·76)	...	141
D Ongar (Wilderness House) ...	Wing Cmdr. D. A. J. Buxton	5	0	10	175	...	29·85	...	...

* Turf wall round gauge.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
ESSEX—(contd.).									
2.—THAMES Rodine & c.—contd.									
D North Weald (Canes) ...	Mrs. Hart ...	5	1	0	250	24.2	32.69	196	146
D CHIPPING ONGAR (FYFIELD) ...	R. Roding Catchment Board ...	5	1	0	159	...	30.18	169	131
D Great Canfield ...	G. Eland, Esq. ...	5	1	0	294	...	31.18	174	138
3.—CROUCH. 186 sq. mi.									
D Southend (Southchurch Boulevard) ...	H. J. G. Ralph, Esq. ...	8	1	0	66	21.0	27.57	197	129
D SHOE BURYNESS ...	Meteorological Office ...	5	1	0	11	19.8	26.89	175	123
d Southchurch (Barling Road) ...	C. E. Smith, Esq. ...	5	1	6	25	...	26.23	...	...
d Leigh (Office) ...	Southend Waterworks Co. ...	5	1	0	137	20.9	27.51	...	...
D Leigh (Brick House) ...	Miss I. Bentall ...	5	0	10	136	...	27.39	191	137
d Eastwood (Pumping Station) ...	Southend Waterworks Co. ...	8	1	0	50	21.0	29.27	...	...
D Thundersley Reservoir ...	Southend Waterworks Co. ...	5	1	0	277	21.3	28.27	177	133
D Rayleigh (Alanbank) ...	Miss E. I. Chant ...	5	1	0	262	...	29.43	184	133
D Basildon Rectory ...	Basildon Develop. Corpn. ...	8	2	3	120	...	28.53	182	125
W Nevendon (Pumping Station) ...	Southend Waterworks Co. ...	5	1	0	43	20.5	29.10	...	...
D Potton Island ...	A. H. Philpot & Sons, Ltd. ...	5	1	0	4	...	27.25	172	122
d Billericay (Service Tank) ...	Southend Waterworks Co. ...	5	1	0	310	...	31.70	...	...
D Burnham (Fisheries Laboratory) ...	Min. of Agric. & Fisheries ...	8	15	6	10	...	25.11	166	117
D Burnham (Wycke Farm) ...	J. W. Cottis, Esq. ...	5	1	0	0	...	26.43	169	129
d Southminster (The New Moor) ...	Miss M. A. Attenborough ...	5	1	6	72	...	26.71	...	129
4.—BLACKWATER. 425 sq. mi.									
D Hutton (Greenway) ...	H. C. Mills, Esq., F.C.I.S. ...	5	1	6	325	...	33.80	206	145
D Stock (Byways) ...	M. Bourne, Esq. ...	5	1	0	199	...	31.11	210	137
D Ingatestone (Trueloves) ...	Mr. F. W. Mann ...	5	1	0	249	23.1	31.14	184	135
d Margaretting (Writtle Park) ...	A. H. Philpot & Sons, Ltd. ...	5	1	0	308	...	32.64	...	...
D Chelmsford (Galleywood) ...	W. Lawrence Taylor, Esq. ...	8	1	0	200	...	29.90	178	126
D Chelmsford (Longstomps Res.) ...	Water Engineer ...	5	1	0	230	...	30.45	188	141
D Bradwell-on-Sea (Bellropes) ...	H. D. Chillingworth, Esq. ...	5	1	6	75	20.5	27.94	178	121
D WRITTE (Inst. of Agric.) ...	Essex Inst. of Agriculture ...	5	1	0	110	...	28.60	168	130
D MALDON ...	Town Clerk ...	5	1	0	14	20.0	26.70	186	126
D Chelmsford (Sandford Mill W.W.) ...	Essex Rivers Catchment Bd. ...	8	0	10	68	...	28.57	183	129
D Hatfield Peverel (Rushes Lock) ...	Southend Waterworks Co. ...	8	1	6	40	...	27.69	190	129
D Langford (Treatment Plant) ...	Southend Waterworks Co. ...	8	1	5	40	21.8	28.25	172	131
d Witham (Wickham Hall) ...	D. B. Smith, Esq. ...	5	1	0	60	20.8	27.53	...	122
D Hatfield Peverel (Lower Farm) ...	H. J. Russel, Esq. ...	5	1	0	101	...	26.61	171	122
D Hatfield Peverel (Bury Farm) ...	W. D. Goldsmith, Esq. ...	5	1	0	130	...	26.87	179	131
d Great Totham ...	C. Weston Eve, Esq. ...	5	1	0	190	...	27.45	174	128
D Wickham Bishops ...	Mrs. M. D. Fowler ...	5	1	4	250	21.4	26.25	...	127
D Tolleshunt D'Arcy (Oxley Hill) ...	H. Campkin, Esq. ...	5	1	0	100	22.0	25.47	195	134
d Witham (Faulkbourne Hall) ...	Mrs. C. W. Parker ...	5	1	0	100	21.9	25.93	...	126
d Little Leighs (Kelle) ...	W. C. Neild, Esq. ...	5	1	2	192	22.3	30.27	...	...
d Kelvedon (Harboro Hall) ...	A. Bevington Smith, Esq. ...	5	1	0	200	...	27.82	...	...
d Kelvedon (Messing Street) ...	Mrs. Calver ...	5	2	1	120	...	25.82	...	...
Rivenhall (Park Gate Farm) ...	Joseph Smith (Farms) Ltd. ...	5	1	0	149	...	25.49	...	...
D Felsted School ...	J. H. Lee, Esq. ...	5	1	0	248	22.9	30.87	176	131
d Great Dunmow ...	Hasler & Co., Ltd. ...	5	1	0	241	...	29.28	...	...
D Rayne (Staneway) ...	Mrs. Burt ...	5	1	0	247	23.0	29.59	169	137
D Braintree (Coggeshall Road) ...	A. F. Gunn, Esq. ...	5	1	0	222	...	28.38	163	122
D Shalford (Littles) ...	W. B. Hart, Esq. ...	5	1	5	262	22.8	29.25	199	131
D Great Bardfield (South Lodge) ...	G. H. Brunwin, Esq. ...	5	1	0	240	23.2	27.98	176	127
5.—COLNE & C. 283 sq. mi.									
d St. Osyth (Wigborough Wick) ...	P. B. Smith, Esq. ...	5	1	0	10	19.3	27.03	...	...
D CLACTON-ON-SEA (Hospital Site) ...	Town Clerk ...	5	1	0	68	20.5	27.02	193	130
D Clacton-on-Sea (King's Road) ...	W. Tomlin, Esq. ...	5	1	0	45	...	25.33	183	135
D Great Clacton (Clay Hall) ...	Miss E. A. Smith ...	5	1	0	45	20.4	27.64	198	135

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	Ground	above			·01 in.	·04 in.
			above	Sea Level				or more	or more
		in.	ft.	in.	ft.	in.	in.		
ESSEX—(contd.).									
5.—COLNE & C.—(contd.).									
D Tiptree Waterworks	S. Essex Waterworks Co. ...	5	1	0	239	...	26·95	179	135
D Little Holland (The Sluice House) ...	Essex Rivers Catchment Bd. ...	5	1	0	7	...	25·29	177	122
D Colchester (Layer-de-la-Haye) ...	S. Essex Waterworks Co. ...	5	1	0	145	...	26·09	161	127
D Copford Post Office	S. C. M. Malenoir-Vickers, Esq. ...	5	0	6	120	...	28·76	179	144
D Colchester (Hythe Gas Works) ...	Eastern Gas Board ...	8	4	0	6	22·0	26·04	162	123
D Colchester (Castle Park) ...	J. S. Orchard, Esq., C.E. ...	8	1	2	87	...	27·10	178	119
D Colchester (Waterworks) ... (+A)	J. S. Orchard, Esq., C.E. ...	8	1	0	38	...	27·54	176	131
Earls Colne (Coggeshall Road) ...	C. T. Richardson, Esq. ...	5	1	0	220	...	28·58	...	...
D EARLS COLNE (Grammar School) ...	Headmaster ...	5	1	0	160	...	28·86	162	135
d Ardleigh (Chancery Farm) ...	Mrs. Lloyd ...	5	1	6	120	...	25·76	...	...
D Halstead (Attwoods) ...	Miss A. E. Vaizey ...	5	1	6	200	23·6	29·35	182	135
D HALSTEAD (The Brewery) ...	F. N. Adams, Esq. ...	5	1	0	140	23·0	29·90	180	135
D Wethersfield (Summers Hall) ...	I. D. Barron, Esq. ...	5	1	0	270	...	30·66	181	128
D Great Yeldham Hall	G. A. Goodchild, Esq. ...	5	1	6	80	23·1	28·86	190	140
6.—STOUR. 110 sq. mi.									
D DOVERCOURT	Borough Surveyor, Harwich ...	5	1	0	47	21·1	28·10	179	132
d Mistley (The Maltings) ...	Brooks (Mistley), Ltd. ...	8	1	0	30	22·2	25·65	...	...
D Dedham	R. Stour (Essex & Suff.) C. Bd. ...	5	1	0	115	...	28·36	178	131
D Nayland (Boxted Lodge) ...	R. Stour (Essex & Suff.) C. Bd. ...	5	1	2	160	...	27·98	169	128
D Nayland (Boxted) ...	Carter & Blewitt, Ltd. ...	5	1	0	154	...	27·06	173	123
D Manningtree (Lawford Place) ...	B. X. Plastics, Ltd. ...	5	1	0	113	...	26·47	181	124
D Langham (Waterworks) ...	S. Essex Waterworks Co. ...	5	1	0	44	22·0	25·84	178	117
d Sudbury (Belchamp Hall) ...	T. C. Clark, Esq. ...	5	1	0	160	...	27·81	...	123
7.—OUSE. 80 sq. mi.									
D Quendon (Rickling)	Messrs Tinney & Hitchcock ...	5	1	0	325	...	31·52	196	143
D Saffron Walden (Debden Road) ...	A. Marsh, Esq. ...	5	1	0	305	...	30·04	190	139
D Saffron Walden (Bridge End) ...	C. E. Chapman, Esq. ...	5	2	0	200	...	28·05	176	134
SUFFOLK. (Area, 1,489 sq. mi.)									
1.—STOUR. 271 sq. mi.									
D East Bergholt (Ackworth House) ...	A. Harwood, Esq. ...	8	1	0	145	...	27·05	169	129
d Little Cornard (Moss Cottage) ...	R. Stour (Essex & Suff.) C. Bd. ...	5	1	0	145	...	27·47	...	131
D Sudbury (Edwardstone) ...	R. Stour (Essex & Suff.) C. Bd. ...	5	1	0	185	...	31·04	182	145
D Hadleigh (Penlands) ...	E. A. Lee, Esq. ...	5	1	0	185	24·4	29·75	190	133
D Haverhill (Waterworks) ...	J. H. Clarke, Esq. ...	8	0	9	280	...	29·20	183	137
D Long Melford (Westgate House) ...	K. F. Colville, Esq. ...	5	1	0	146	23·5	28·96	187	142
d Long Melford (Stafford Works) ...	R. Stour (Essex & Suff.) C. Bd. ...	5	3	0	103	...	26·85	...	...
d Clare (Little Wratting) ...	R. Stour (Essex & Suff.) C. Bd. ...	5	0	9	296	...	28·95	...	142
D Boxted Hall	R. Stour (Essex & Suff.) C. Bd. ...	5	1	0	160	...	29·41	179	140
2.—ORWELL. 166 sq. mi.									
D Hartest (Chadacre Agric. Inst.) ...	Principal ...	5	1	0	250	...	29·71	169	139
d Cockfield	R. Stour (Essex & Suff.) C. Bd. ...	5	1	0	270	...	29·60	...	135
D Trimley (The Avenue) ...	R. L. T. Clarkson, Esq. ...	5	1	0	72	...	30·01	202	123
D IPSWICH (BELSTEAD HALL) ... (+A)	Richard Wilson, Esq. ...	5	1	0	123	...	28·11	186	136
d Ipswich (Upton Lodge) ...	E. Suffolk Riv. Catch. Bd. ...	5	1	0	77	...	29·26	...	...
D Ipswich (Museum) ...	Curator ...	8	1	0	72	23·5	26·40	192	131
D Elmsett (Laurel Cottage) ...	Miss C. E. Ladbrook ...	5	3	6	230	23·8	28·14	170	131
D Coddensham (Shrubland Park) ...	A. A. Geater, Esq. ...	5	1	3	168	...	30·29	204	139
D Coddensham (Cousins Hill) ...	Miss Tidswell ...	5	1	0	160	23·9	30·86	187	147
Haughley (New Bells Farm) ...	The Soil Association ...	5	1	0	180	...	28·37	...	...

|| Gauge oversheltered.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	Rain-fall	1951	
		Diam.	Height of		Ground			Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SUFFOLK—(contd.).									
3.—DEBEN & C. 466 sq. mi.									
D FELIXSTOWE	(+A) Meteorological Office ...	5	1	0	10	...	26·29	182	125
d Hollesley (Pumping Station) ...	E. Suffolk Riv. Catch. Bd.	5	1	0	11	...	26·26	165	134
d Waldringfield	Mr. H. J. R. Pease	5	1	0	50	22·3	28·76	...	123
D Ipswich (Daleacre)	C. Harrison-Jones, Esq. ...	5	1	2	140	...	30·50	209	143
D Martlesham (Beacon Hill) ...	The Earl of Albermarle ...	5	1	0	100	...	29·82	172	137
d Woodbridge (Little Bealings) ...	Capt. Guy Lemprière	5	0	9	50	22·6	30·13	...	...
D Great Bealings (The Croft) ...	Admiral E. F. Bruen, C.B.	5	0	7	50	...	32·82	197	155
D Woodbridge (Warren Hill Road)	Mrs. J. B. Martin ...	5	1	0	100	...	31·38	185	142
D Melton (Greylands)	Miss Jervis-White-Jervis ...	5	1	6	40	24·3	30·78	184	140
D Melton (St. Audry's Hospital)	Senior Admin. Officer	5	1	0	90	23·8	30·85	172	135
D Grundisburgh (Bridge House)	Mrs. Armstrong ...	5	1	1	50	...	32·32	189	123
D Aldeburgh (Haven Sluice) ...	E. Suffolk Riv. Catch. Bd.	5	1	0	5	...	27·13	165	133
Charsfield (Red House)	Hugh P. Youngman, Esq.	5	1	9	150	24·1	31·10	...	...
D Blaxhall	R. H. Sherwood, Esq. ...	5	1	0	50	23·4	31·11	181	133
D §Aldeburgh (Iken Way)	G. E. Sunderland-Taylor, Esq.	...	...	...	10	...	27·20	185	127
d Saxmundham (Agric. Dem. Plot)	Agricultural Ex. Committee	5	0	6	90	...	26·70	...	...
D Leiston (Upper Abbey)	Miss M. K. Rope ...	5	1	0	40	...	28·31	179	132
d Laxfield (Badingham)	W. Llewellyn Mold, Esq. ...	5	1	0	180	...	25·67	...	126
D Southwold	H. A. Liquorish, Esq. ...	8	1	0	0	...	25·31	172	140
d Benacre (Pumping Station) ...	E. Suffolk Riv. Catch. Bd. ...	5	1	0	10	...	25·46	...	...
4.—YARE & C. 208 sq. mi.									
D Harleston (Mendham Mills) ...	D. Connell, Esq. ...	5	1	0	49	...	28·23	180	130
D Lowestoft (Secondary School)	Town Clerk ...	5	1	0	82	23·5	27·85	181	134
D Corton Vicarage	Rev. C. A. B. Allen	5	1	0	51	...	27·53	179	135
D Herringfleet House	G. H. Wyllys, Esq. ...	5	1	0	55	25·2	31·25	203	154
D Lound (Pumping Station) ...	Lowestoft Water & Gas Co.	8	1	0	33	24·0	27·79	188	140
d Hopton (Hopton House)	Col. F. E. Walter, D.S.O. ...	5	1	2	100	...	29·72	...	139
d Fritton Warren	Miss V. M. Upcher	5	1	0	42	25·9	29·09	...	...
D Fritton Hall	Mr. F. Read ...	8	0	11	30	24·7	30·64	187	154
5.—OUSE. 378 sq. mi.									
d Bury St. Edmunds (Turret Close)	Rev. P. R. Frost ...	5	0	9	130	...	32·18	...	135
D Bury St. Edmunds (Corp. Depot) (+A)	Borough Engineer ...	5	3	9	181	...	29·93	185	135
D Newmarket (Sewage Outfall) ...	F. B. Waterfall, Esq. ...	5	1	0	81	23·2	30·12	161	135
D Moulton (Pumping Station) ...	Mildenhall R.D.C. ...	5	1	0	135	...	31·39	180	138
d Bury St. Edmunds (Westley Hall)	Mrs. Burrell ...	5	1	0	226	25·1	31·92	...	145
d Bury St. Edmunds (Beet Sugar Factory)	British Sugar Corpn.	5	0	6	160	...	30·31	...	...
D Pakenham (Church Hill)	E Bryant, Esq. ...	5	0	9	155	...	27·58	177	125
D Bury St. Edmunds (Barton Lodge)	Mrs. S. Cox ...	5	1	0	200	...	31·48	185	141
d Hengrave Hall	Estate Agent ...	5	1	5	85	22·9	29·12	...	140
D Bury St. Edmunds (Troston Hall)	F. S. Beauford, Esq. ...	5	1	0	130	23·0	30·43	194	138
D Mildenhall (Worlington)	Lord Sandhurst ...	5	1	2	30	...	26·67	198	133
D Mildenhall (Eriswell Pumping Stn.)	Mildenhall R.D.C. ...	5	1	0	30	...	28·32	184	135
D MILDENHALL Airfield	(+A) Meteorological Office ...	8	1	0	15	...	26·63	174	126
d Isleham Lock	Great Ouse Catchment Bd.	5	5	2	10	...	24·10	...	130
D Barningham (The Beeches) ...	Miss A. K. Lingwood ...	5	0	9	136	22·6	28·57	...	...
D Elveden Hall	The Earl of Iveagh, C.B. ...	5	1	0	130	23·9	27·54	186	146
D Brandon (North Court)	G. Cook, Esq. ...	5	1	0	20	...	26·81	175	128
NORFOLK. (Area, 2,041 sq. mi.)									
1.—YARE. 658 sq. mi.									
D Diss (Roydon Hall)	R. S. Copeman, Esq. ...	5	1	0	140	...	30·51	175	148
D Diss (Bressingham Hall)	A. H. V. Bloom, Esq. ...	5	1	0	96	...	30·91	167	145

§ Turf wall round gauge.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951					
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more			
		in.	ft.	in.	ft.	in.	in.					
NORFOLK—(contd.).												
1.—YARE—(contd.).												
	Harleston (Starston) ...	...	A. L. Taylor, Esq. ...	...	5	0	10	120	...	29.48	185	127
D	Pulham St. Mary (Hill House) ...	...	W. G. Rutter, Esq. ...	...	5	1	0	120	24.7	33.88	184	136
D	Ditchingham ...	...	W. G. Rutter, Esq. ...	...	5	1	0	25	23.9	30.87	179	154
D	Ashwellthorpe (Tacolneston Hall) ...	...	C. H. Walter, Esq. ...	...	5	1	0	200	...	32.74	172	138
d	Beccles (Raveningham Hall) ...	...	Lt.-Col. Sir Edmund Bacon Bt ...	...	5	1	6	60	24.6	27.34	...	132
d	Hapton Parsonage ...	...	Lt.-Col. H. C. Copeman ...	...	5	1	0	120	...	27.08	...	130
D	Wymondham (Browick Hall) ...	...	P. H. J. Fryer, Esq. ...	...	5	1	8	140	...	28.71	182	134
	Hardingham Hall ...	...	Col. B. M. Edwards*	...	...	...	...	100	...	31.92	...	...
D	Hingham (Southburgh) ...	...	R. W. Keatley, Esq. ...	...	5	1	4	190	...	30.76	205	147
D	GORLESTON (Coastguard Station) ...	...	Station Officer, for M.O. ...	...	8	1	0	5	24.5	28.60	176	132
D	Norwich (Cringelford) ...	...	C. R. Edmundson, Esq. ...	...	5	1	0	75	...	29.18	173	134
D	Norwich (City Cemetery) ...	...	L. Alan Jewell, Esq. ...	...	5	1	2	93	25.5	28.88	186	134
D	Thorpe St. Andrew (Pine Banks) ...	...	H. J. Jarrold, Esq. ...	...	5	1	7	140	...	29.47	173	142
D	Norwich (Marlingford Hall) ...	...	Major E. H. Evans-Lombe ...	...	5	1	1	83	26.9	27.42	185	137
	Great Fransham ...	...	Sir Stephen Renshaw ...	...	5	1	0	230	...	32.17	174	130
	Sprowston (Oak Lodge) ...	...	A. Cozens-Hardy, Esq.* ...	...	5	1	0	100	25.2	29.98	...	...
D	East Dereham (The Laboratory) ...	...	Leonard A. Pett, Esq. ...	...	5	1	1	200	...	31.58	151	123
D	Taverham (Deighton Hills) ...	...	T. B. Norgate, Esq. ...	...	5	1	0	100	...	27.65	187	136
D	Great Massingham ...	...	A. E. Jones, Esq. ...	...	5	1	0	250	...	30.08	194	141
D	WEST RAYNHAM Airfield ...	...	Meteorological Office ...	...	5	1	0	240	...	28.39	185	128
d	Cawston (New Street) ...	...	N. B. Howard, Esq. ...	...	5	0	8	152	26.6	27.59	185	138
D	Colkirk Hall ...	...	J. T. Joice, Esq. ...	...	5	1	0	210	...	31.15	189	136
D	Fakenham (Wells Road) ...	...	W. H. Fisher, Esq. ...	...	5	2	0	9	...	30.24	168	137
2.—YARE. Bure & c. 368 sq. mi.												
d	BURLINGHAM (Horticultural Stn.) ...	...	Norfolk Education Com'tee ...	...	5	1	0	89	...	25.93	...	...
D	SPROWSTON ...	...	Director, Norfolk Ag. Stn. ...	...	5	1	0	93	25.7	29.46	198	146
D	Horsham St. Faith Airfield ... (+A)	...	Meteorological Office ...	...	5	1	6	99	...	27.70	183	137
D	Yarmouth (Ormesbury St. Michael) ...	...	Great Yarmouth W.W. Co. ...	...	8	1	0	22	26.2	28.41	200	152
D	Horning (Pumping Station) ...	...	Great Yarmouth W.W. Co. ...	...	8	1	0	9	...	27.11	179	137
D	Wroxham (Hoveton House) ...	...	Mrs. I. C. Blofeld ...	...	5	1	4	100	...	29.63	187	146
D	Wroxham (Hoveton Home Farm) ...	...	T. R. C. Blofeld, Esq. ...	...	5	0	9	32	...	26.79	160	131
D	Buxton (Dudwick) ...	...	C. E. Briscoe, Esq. ...	...	5	1	0	100	...	29.42	178	143
	Hevingham (Rippon Hall) ...	...	Rev. A. F. Marsham* ...	...	5	0	7	90	26.4	28.08	...	...
D	Wroxham (Barton Hall) ...	...	Lady Delia Peel ...	...	5	0	8	25	...	27.52	178	127
D	COLTISHALL Airfield ...	...	Meteorological Office ...	...	5	1	0	55	...	25.99	178	126
	Hickling (Old Rectory) ...	...	Cmdr. P. Barlow, R.N.* ...	...	5	1	0	10	...	29.53	...	...
	Aylsham (Woodgate House) ...	...	Lt.-Col. P. W. Purdy* ...	...	5	1	0	100	...	27.88	192	145
D	Worstead (Lyngate Cottage) ...	...	G. Cross, Esq. ...	...	8	1	6	50	26.5	30.70	181	133
D	Aylsham (The Mount) ...	...	Dr. C. L. Maingay ...	...	5	1	0	90	...	27.64	199	132
D	Aylsham (Wilderness) ...	...	Mrs. J. Peed... ...	...	5	1	0	100	...	28.35	196	148
D	Aylsham (Mill House) ...	...	R. L. Rust, Esq. ...	...	5	1	0	50	...	27.21	178	134
D	Blickling Rectory ...	...	J. W. Montgomery, Esq. ...	...	5	1	2	90	...	28.08	202	139
D	Hindolveston (School House)...	...	Headmaster ...	...	5	1	0	212	...	28.68	212	133
D	Erpingham (Wolterton Park) ...	...	Lord Walpole ...	...	5	1	0	115	...	29.57	182	136
D	Holt (Brinton Grange) ...	...	Sir Charles Bristow, C.I.E....	...	5	0	7	140	...	28.45	204	137
3.—STIFFKEYS & C. 290 sq. mi.												
D	Sandringham House Gardens ...	...	Mr. C. H. Cook ...	...	5	1	6	121	26.4	30.17	189	134
D	Fulmodestone School ...	...	E. H. Clements, Esq. ...	...	5	1	0	214	...	28.24	166	132
D	Cromer (Northrepps Hall) ...	...	Lt.-Col. C. R. Gurney ...	...	5	1	6	180	26.7	32.10	174	141
d	Cromer (Holt Road) ...	...	Dr. Maurice Mottram ...	...	5	1	0	175	...	30.31	...	...
D	CROMER (Howards Hill) ...	...	Clerk to the U.D.C. ...	...	8	1	0	178	23.8	28.42	185	135
D	Langham ...	...	Miss F. E. Butcher ...	...	5	0	9	134	...	28.17	211	141
D	Burnham Market ...	...	Mrs. Buxton ...	...	5	0	10	50	...	29.52	173	127

* Per Norfolk Rainfall Organization.

DIVISION IV—EASTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951					
		Diam.	Height of		ft.		in.	Days with ·01 in. or more	Days ·04 in. or more			
		in.	ft.	in.		ft.				in.	in.	
NORFOLK—(contd.).												
3.—STIFFKEYS & C.—(contd.).												
D	Burnham Market (School House)	...	A. E. Evans, Esq.	...	5	1	0	50	...	29.20	184	132
	Sheringham Hall	...	Sir Henry Upcher	...	5	0	9	135	...	28.14	...	...
D	Sheringham (Pine Grove)	...	T. E. Ormond, Esq.	...	5	1	0	70	...	29.37	205	138
	Sheringham (Sheringham House)	...	Rev. E. C. S. Upcher	...	5	1	0	100	...	30.24	193	138
D	Wells (Outfall Sewage Works)	...	Surveyor	...	5	1	0	86	...	27.28	191	133
D	Wiveton (Glaven Corner)	...	Rev. Canon B. E. Foyster	...	5	0	7	100	...	27.66	202	136
D	HUNSTANTON	...	Advancement Association	...	5	1	1	105	...	27.77	181	127
D	Holme-next-Sea (Holme House)	...	Mr. D. E. Plume	...	5	1	0	10	...	29.75	176	125
4.—OUSE & C. 709 sq. mi.												
D	Garboldisham Manor	...	A. W. Starling, Esq.	...	8	1	0	70	23.2	30.19	203	143
D	Thetford (Kilverstone Hall)	...	Baron Fisher of Kilverstone	...	8	1	0	70	21.7	31.77	199	141
D	Thetford (Waterworks)	...	L. G. Howell, Esq.	...	8	1	0	165	23.8	26.76	198	132
D	Denton Lodge (Pumping Station)	...	Downham R.D.C.	...	5	1	1	120	...	25.72	180	135
D	THETFORD (Lynford Hall)	...	Forestry Commission	...	5	1	0	50	...	27.07	190	136
d	Attleborough (Breccles Hall)	...	J. E. Fitt, Esq.	...	5	0	9	120	...	29.89	...	...
D	Denver Sluice	...	Great Ouse Catchment Bd.	...	5	1	7	10	...	26.30	181	134
D	Nordelph Vicarage	...	Rev. W. F. Hicks	...	5	1	6	7	...	26.20	202	134
D	Downham (Dial House)	...	Messrs. T. H. Wenn & Co.	...	5	1	1	50	...	28.15	196	141
D	Outwell (Well Creek Sluice)	...	G. McLeod, Esq., C.E.	...	5	1	0	16	22.0	25.47	156	136
d	Stow Bridge (Crabb's Abbey)	...	R. D. Carter, Esq.	...	5	3	0	8	...	28.00	...	133
D	Swaffham (Saham Toney)	...	F. J. Faulkner, Esq.	...	5	1	0	127	...	28.76	171	134
D	King's Lynn (Shouldham)	...	Mrs. C. E. Hipperson	...	5	1	0	41	...	28.70	180	133
D	Narborough Hall	...	F. H. Ash, Esq.	...	5	1	0	45	...	26.70	183	136
d	Narborough (Narford Hall)	...	G. F. Attwood, Esq.	...	5	1	0	50	...	28.74	...	...
D	Wiggenshall (St. Germans Sluice)	...	G. McLeod, Esq., C.E.	...	5	1	0	9	23.1	26.01	169	133
D	King's Lynn (North Runcton Lodge)	...	Capt. W. N. Gurney	...	5	1	0	50	...	27.05	198	131
D	TERRINGTON ST. CLEMENT (E.H. Farm)	...	Director	...	5	1	0	13	...	27.69	182	131
D	Terrington St. Clement (Sec. School)	...	H. W. Pooley, Esq.	...	5	0	11	13	...	27.54	194	134
D	Gayton (Waterworks)	...	H. G. Ridler, Esq.	...	5	1	0	131	...	25.95	180	131
D	King's Lynn (Manure Works)	...	W. J. R. Baxter, Esq.	...	5	1	2	0	...	26.91	193	125
D	King's Lynn (Freebridge)	...	Great Ouse Catchment Bd.	...	5	2	0	15	...	28.41	182	157
D	Grimston (School House)	...	J. R. Steward, Esq.	...	5	1	2	62	...	27.78	208	130

DIVISION V—SOUTH-WESTERN COUNTIES

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

1.—LOWER AVON. 383 sq. mi.									
D Upton Scudamore (Pumping Station) ...	Engineer & Manager ...	5	1	0	305	...	42.90	225	163
D Westbury (Penleigh House) ...	Lt.-Col. G. M. Atkinson ...	5	1	0	220	...	41.21	195	152
D Westbury (Wellhead) ...	Waterworks Engineer ...	5	1	0	321	...	39.02	188	149
D Westbury (Braemar) ...	Mrs. F. D. Richards ...	5	1	0	250	...	40.47	219	154
D Westbury (Secondary Mod. School) ...	B. A. S. Archibold, Esq. ...	5	1	3	225	...	40.92	190	147
D WEST LAVINGTON (Dauntsey's School) ...	Headmaster ...	5	0	11	270	...	37.29	194	154
D Little Cheverell House ...	Dr. T. W. Newton Dunn ...	5	1	0	300	...	37.17	194	160
d Market Lavington (Schoolhouse) ...	A. F. Burbridge, Esq. ...	5	0	9	290	29.0	36.59	194	151
D Trowbridge (The Croft) ...	G. T. Meaden, Esq. ...	5	1	0	158	...	38.76	...	...
D Worton (The Grange) ...	M. K. Vickers, Esq. ...	5	1	0	200	...	36.74	203	153
D Bradford-on-Avon (Iford Manor) ...	The Viscount Esher, C.B.E. ...	5	1	1	101	...	36.13	...	...
D Seend (Cleeve House) (R) ...	Head Gardener ...	8	1	6	200	...	34.24	199	151
D Holt (The Elms) ...	A. V. H. Beaven, Esq. ...	5	1	0	144	30.3	35.39	192	151
D Great Chalfield ...	Major R. F. Fuller ...	5	1	2	165	28.6	35.70	217	149
D Melksham (Forest Road) ...	Mrs. G. Potheary ...	5	1	0	136	...	34.19	202	157
D Bowood House ...	The Marquis of Lansdowne ...	5	1	4	306	...	36.10	176	147

§ Turf wall round gauge.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
WILTSHIRE—(contd.).									
1.—LOWER AVON.—(contd.).									
D LACOCK (Lackham House) ...	School of Agriculture ...	5	1	0	160	...	31·87	194	137
D Corsham (The Grove) ...	G. S. Beaty, Esq. ...	5	1	0	300	...	38·92	175	155
D Calne (Castle Walk) ...	G. G. Phillips, Esq. ...	5	1	0	240	28·9	35·52	186	152
D Chippenham (Waterworks) ...	Borough Surveyor ...	5	1	2	144	...	34·47	188	148
D Chippenham (Monkton Park) ...	H. R. Coventry, Esq. ...	5	1	7	200	...	35·01	183	154
D Chippenham (Kington Langley) ...	Mrs. Garnett ...	8	1	0	172	30·3	36·40	...	...
D LYNEHAM Airfield ...	(+A) Meteorological Office ...	5	0	11	455	...	33·63	200	147
D Chippenham (Littleton Drew) ...	J. D. Marriott, Esq. ...	5	5	0	418	...	34·36	182	143
D Wroughton (Basset Down House) ...	Mrs. Arnold Forster ...	5	1	0	500	29·8	37·69	175	143
D Tockenham Manor ...	Major G. J. Buxton ...	5	1	0	400	...	36·39	190	159
δ Malmesbury (Norton Manor)...	Major N. S. Wilson ...	8	1	0	326	...	38·30	...	147
D Malmesbury (Elm Leaze) ...	Miss E. Milnes-Walker ...	5	1	0	260	...	40·34	189	159
2.—STOUR. 33 sq. mi.									
D Mere (Charnage) ...	W. G. B. White, Esq. ...	5	1	6	426	33·8	45·37	192	160
D Stourhead ...	H. P. R. Hoare, Esq. ...	5	1	2	583	38·1	48·03	205	159
3.—EAST AVON. 554 sq. mi.									
D Broad Chalke ...	Dr. H. N. Burroughes ...	5	4	1	362	...	47·71	202	161
D Salisbury (Harnham) ...	Mrs. E. M. Taunton ...	5	1	0	200	...	46·52	192	160
D Salisbury (Folkestone Road) ...	M. A. Chaplin, Esq. ...	5	1	0	200	...	43·03	193	146
D Tisbury (Beckford Lodge) ...	Col. I. Forbes, D.S.O. ...	5	0	8	480	...	48·73	198	163
D Fonthill House Gardens ...	Major J. G. Morrison, M.P. ...	5	1	0	400	37·8	53·96	213	168
D Salisbury (Sewage Works) ...	(+A) City Engineer ...	8	1	0	147	29·7	39·97	188	150
D Salisbury (Manor Road) ...	Miss L. C. D. Awdry ...	5	1	0	250	29·2	45·02	226	165
D Salisbury (Atherton House) ...	W. Fletcher, Esq. ...	5	1	0	250	...	41·01	193	144
D Wilton (Stone Lodge) ...	Major B. W. Parker ...	5	1	6	175	...	45·36	203	161
D Salisbury (Dinton) ...	Mrs. Bovill ...	5	1	2	300	...	44·19	221	165
D PORTON (C.D.E.E.) ...	(+A) Superintendent Met. Dept. ...	5	0	11	363	26·5	41·77	202	158
D Steeple Langford (Woodstock) ...	Miss A. J. Powell ...	5	1	0	257	...	44·05	181	153
d Wylde (Fisherton de la Mere) ...	Lt.-Col. F. N. Jeans ...	5	0	10	350	...	41·76	...	152
d Maiden Bradley House ...	The Duke of Somerset ...	5	1	0	620	38·4	47·31	...	143
D BOSCOMBE DOWN Airfield ...	(+A) Meteorological Office ...	8	1	0	417	...	37·83	198	152
d Warminster (Crockerton P.S.) ...	Warminster U.D.C. ...	5	0	9	460	...	44·74	...	137
D Warminster (Henford) ...	Cmdr. V. J. Robinson, R.N. ...	5	1	8	400	...	42·45	191	158
D LARKHILL (School of Artillery) ...	(+A) Meteorological Office ...	5	1	0	430	25·5	39·65	202	151
D Shrewton (Maddington) ...	Miss V. L. Windsor ...	5	0	9	285	...	39·70	206	159
D Everleigh Rectory ...	Rev. J. S. Macnutt ...	5	1	3	590	...	43·22	184	150
D Woodborough (The Manor House) ...	Brigadier N. C. Lang ...	5	1	0	400	...	39·48	189	154
D Pewsey (Oare) ...	Miss F. M. Peall ...	5	1	6	500	...	37·05	201	154
4.—TEST. 77 sq. mi.									
D Ludgershall (Conholt Park) ...	Miss H. M. Gaskell ...	8	1	0	760	33·9	45·70	202	158
5.—THAMES. Kennet. 169 sq. mi.									
D Bishops Cannings (Shepherds Shore) ...	Devizes Gas & Water Dept. ...	8	2	1	564	...	38·80	199	156
D MARLBOROUGH College ...	Headmaster ...	5	1	1	424	31·1	42·32	198	155
D Aldbourne (Manor House) ...	Capt. W. Brown, J.P. ...	5	1	0	435	...	40·69	213	161
6.—THAMES. Cole and c. 154 sq. mi.									
D Wroughton (Swindon Waterworks) ...	J. Ackroyd, Esq., B.Sc., C.E. ...	5	1	3	448	...	36·15	185	152
D Chiseldon (Hodson House) ...	A. Deadman, Esq. ...	5	0	9	560	29·0	35·79	207	154
D Swindon (Osborne Street) ...	H. Cook, Esq. ...	5	1	0	322	...	34·98	192	149
D Swindon (Town Gardens) ...	J. Ackroyd, Esq., B.Sc., C.E. ...	5	1	1	476	27·5	36·51	190	157
d Purton (Restrop House) ...	Col. A. Canning ...	5	1	3	444	27·7	33·24	...	...

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
DORSET. (Area, 983 sq. mi.).									
1.—PARRETT. 61 sq. mi.									
D Evershot (Melbury House) ...	Mr. W. G. Lee ...	5	2	0	460	38.7	54.90	191	161
D Crewkerne (Chedington) ...	F. A. Highmore, Esq. ...	5	1	0	605	...	45.81	212	159
D Sherborne (Sewage Disposal Works) ...	C. E. Bean, Esq. ...	8	1	0	164	...	41.97	197	158
d Sherborne (Seafeld Cottage) ...	A. S. Arnold, Esq. ...	5	1	4	212	...	44.04	...	162
D Sherborne (Barton Gardens) ...	C. E. Bean, Esq. ...	8	1	0	285	...	43.52	205	160
2.—AXE. 25 sq. mi.									
Forde Abbey ...	G. D. Roper, Esq. ...	5	0	10	200	37.7	49.05	204	157
3.—FROME & C. 501 sq. mi.									
d Portland Secondary Mod. School ...	Headmaster ...	5	0	9	300	...	39.92	176	139
D Corfe Castle (Encombe) ...	The Hon. Sir Ernest Scott ...	5	1	0	200	...	44.82	176	155
D WEYMOUTH (Westham) ...	Town Clerk ...	5	1	0	16	28.0	40.30	175	147
D Warmwell (Holworth) ...	E. H. Atchley, Esq. ...	5	1	6	300	...	36.85	183	140
D Swanage (Panorama) ...	E. Horncastle, Esq. ...	5	1	0	120	...	41.74	181	150
D SWANAGE ...	Clerk to the U.D.C. ...	5	1	0	14	...	43.87	172	153
D Chickereil (Lower Putton) ...	A. H. White, Esq. ...	5	1	0	45	...	39.41	177	130
D Corfe Castle (Mortons House) ...	Lt.-Col. A. R. Bond ...	5	1	6	100	...	47.73	196	157
D Creech Grange ...	J. W. G. Bond, Esq., C.B. ...	5	1	0	228	37.1	49.40	231	159
D Abbotsbury (West Street) ...	J. C. P. White, Esq. ...	5	1	6	147	29.2	43.44	184	153
d Abbotsbury (West End) ...	The Earl of Ilchester ...	8	1	6	100	...	42.43	...	146
D Upwey (Friar Waddon) ...	Engineer and Surveyor ...	5	1	0	215	...	44.71	187	144
D Upwey (Higher Well) ...	Engineer and Surveyor ...	8	1	0	289	...	45.97	205	156
D Warmwell ...	Weymouth W.W. Co. ...	5	1	0	134	...	46.61	193	159
D Wareham (East Holme) ...	Miss L. S. Bond ...	5	1	0	23	33.9	44.73	184	156
D Wool (East Burton House) ...	Rev. C. S. Pugh ...	5	0	8	100	...	34.15	200	149
D Wareham (Binnegar Hall) ...	Mr. J. W. Hayward ...	5	1	0	65	33.8	45.38	194	152
D Wareham (Stockford) ...	W. Bond, Esq. ...	8	0	11	65	33.4	44.45	205	151
D Wareham (Trigon) ...	Mrs. L. Sturdy ...	8	1	4	60	32.1	41.93	200	146
D Dorchester (Littlemayne) ...	E. R. Sykes, Esq. ...	5	1	0	200	...	52.02	203	177
D Burton Bradstock (White House) ...	Major J. M. Wratishaw ...	5	1	0	40	...	40.50	191	158
D Dorchester (South Court Avenue) ...	E. A. Sparks, Esq. ...	5	1	0	220	...	52.71	210	162
D Dorchester (Queen's Avenue) ...	H. I. Bond, Esq. ...	5	1	2	240	...	48.77	207	155
D Dorchester (Waterworks) ...	Borough Engineer ...	8	1	0	312	36.6	52.36	213	163
D Dorchester (Stinsford) ...	J. Wyndham Hull, Esq. ...	5	1	0	207	37.4	48.12	190	151
D Dorchester (Birkin House) ...	Mrs. Weber ...	5	1	0	230	37.4	49.40	195	155
D Bradford Peverell House ...	H. F. Middleton, Esq. ...	5	1	0	370	...	53.30	220	161
D Dorchester (Stratton Rectory) ...	J. R. Bazin, Esq. ...	5	0	11	250	...	51.07	207	161
D POOLE ...	Borough Council ...	5	1	0	18	...	42.95	182	147
d Poole (Pitwines Gasworks) ...	Southern Gas Board ...	5	1	3	6	...	43.39	...	137
d Poole (Henry Harbin School) ...	T. Johnson, Esq., B.Sc. ...	5	1	0	20	...	41.33	...	...
d Parkstone (Balmoral Road) ...	Miss M. M. Hall ...	5	1	0	75	...	46.25	(218)	(153)
d Charminster (Brooklands) ...	K. P. Druce, Esq. ...	5	0	10	200	...	54.04	...	148
d Branksome (Bourne Valley) ...	Southern Gas Board ...	8	1	2	50	30.0	45.74	180	147
D Bournemouth (Alderney Reservoir) ...	Bournemouth Water Co. ...	8	0	9	228	...	42.47	197	143
D Lyme Regis (Penard) ...	Mrs. M. E. Peat ...	5	1	0	83	33.2	43.70	198	154
D Bridport (Coneygar) ...	Bridport Waterworks Co. ...	5	1	0	110	32.9	43.32	207	149
D Charmouth (Fishpond) ...	Dr. John L. Haughton ...	5	0	9	730	...	39.76	219	157
D Bridport (Shere) ...	W. A. Roberts, Esq. ...	5	1	0	90	...	41.93	197	153
D Bloxworth Heath (Research Nursery) ...	Forestry Commission ...	5	1	0	80	...	44.41	204	150
D Tolpuddle (Manor House) ...	Mrs. B. Thorp ...	5	1	0	150	32.9	45.26	191	148
D Puddletown Vicarage ...	Rev. Canon A. L. Helps ...	5	4	0	200	35.8	51.45	205	155
D Bere Regis (Barrow Hill) ...	H. Galton, Esq. ...	5	1	2	200	32.9	44.85	188	155
D Lytchett Matravers (Kit Robins) ...	H. Blanchard, Esq. ...	5	1	0	300	...	43.36	201	155
D Wynford House ...	Mrs. Aldridge ...	5	1	0	410	43.5	56.16	210	161

|| Gauge oversheltered.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			or	or
			above	Ground	Sea Level			more	more
		in.	ft.	in.	ft.	in.	in.		
DORSET—(contd.).									
3.—FROME & c.—(contd.).									
D Netherbury (The Chantry) ...	Lt.-Col. H. L. Kitson ...	5	1	0	150	35.2	47.19	219	165
Beamminster (Netherbury Court) ...	Mrs. S. W. Blacker ...	5	0	9	400	...	43.21	196	160
D Beamminster (East Street) ...	W. A. Stiby, Esq. ...	5	1	0	183	37.6	48.66	212	168
D Minterne... ..	Col. The Lord Digby, D.S.O.	5	1	0	800	...	54.48	215	177
4.—STOUR. 384 sq. mi.									
D Lytchett Matravers School ...	Headmaster ...	5	1	6	300	...	43.37	176	153
D Broadstone (Grange Road) ...	R. Nimmo, Esq. ...	5	1	0	160	...	42.58	200	150
D Corfe Mullen (The Plantation) ...	A. J. Russell, Esq. ...	8	1	0	300	...	44.18	220	158
D Wimborne (Corfe Mullen W.W.) ...	Waterworks Engineer ...	5	1	0	81	32.9	42.95	187	148
D Wimborne (Stapehill) ...	W. J. Marchant, Esq. ...	5	1	0	95	...	43.75	195	146
D Wimborne (Walsford Bridge P.S.) ...	Bournemouth Water Co. ...	8	0	9	70	...	42.47	188	153
d Colehill (Joldwynds) ...	Rev. Sir Paget Bowman ...	5	0	9	400	...	41.16	...	133
Blandford (East Street) ...	R. Biddulph, Esq.* ...	5	0	10	105	...	45.58	...	...
D Blandford (King's Road) ...	D. Blanchard, Esq. ...	5	1	0	195	...	45.02	198	158
D Blandford (Bryanston) ...	Miss A. M. Jaques ...	5	1	0	185	...	49.12	197	161
D Blandford (Letton) ...	Brig.-Gen. B. F. B. Stuart, C.B. ...	8	1	7	200	...	44.28	185	147
D Glanvilles Wootton (Manor House) ...	H. B. Debenham, Esq. ...	5	0	9	256	35.2	45.78	200	157
D Holwell (Little Westrow) ...	Miss H. A. Warry ...	5	1	0	252	34.4	47.85	216	174
D Wimborne St. Giles (St. Giles House) ...	The Earl of Shaftesbury, K.P. ...	5	1	6	165	33.4	47.08	180	148
D Sturminster Newton (Stock Gaylard) ...	Miss Blake ...	5	1	0	350	...	40.86	205	159
D Child Okeford Manor ...	J. H. L. Glasbrook, Esq. ...	5	1	0	250	...	47.61	199	162
d Stourton Caundle (The Burges) ...	R. M. Argles, Esq. ...	5	0	10	280	...	44.72	...	...
d Ashmore (Old Rectory) ...	G. E. Howard, Esq. ...	9	1	3	700	...	46.63	...	...
D Stalbridge (Grove Cottage) ...	F. B. Harris, Esq. ...	5	1	0	320	...	44.41	211	164
d Shaftesbury (St. Margaret's Marsh) ...	G. W. Payne, Esq. ...	5	2	2	180	...	39.00	184	143
d Woodyates (Cobley) ...	Mrs. A. S. Eastwood ...	5	1	0	500	...	47.07	...	...
D SHAFTESBURY (C.E. School) ...	Headmaster, for M.O. ...	5	1	0	680	...	43.34	195	159
D Gillingham (Buckhorn Weston) ...	A. Cox, Esq. ...	5	1	0	220	...	39.94	180	150
D Gillingham (Malt House) ...	Col. The Lord Basing ...	5	1	6	275	...	41.55	203	155
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 ...	5	1	0	87	...	42.74	203	157
D PLYMOUTH (THE HOE) ...	Corp'n. (G. H. Ivory & Part.) ...	8	1	0	117	36.7	41.71	210	160
D Plymouth (Drake's Reservoir) ...	N. G. Elliot, Esq., C.E. ...	5	1	0	149	37.5	41.57	205	155
D Plymouth (Freedom Fields) ...	Corp'n. (G. H. Ivory & Part.) ...	5	1	0	208	39.4	41.53	213	164
D Devonport (Rowdens Reservoir) ...	N. G. Elliot, Esq., C.E. ...	5	1	0	201	35.1	41.25	202	154
D Plymouth (Hartley Reservoir) ...	N. G. Elliot, Esq., C.E. ...	5	1	0	321	39.9	45.53	201	156
D Plympton (Little Woodford) ...	W. P. Cundy, Esq. ...	5	1	0	90	...	47.10	221	165
D Bickleigh (Roborough Reservoir) ...	N. G. Elliot, Esq., C.E. ...	5	1	0	548	46.2	55.60	237	176
D Lee Moor House ...	R. Martin, Esq. ...	8	1	0	900	62.4	66.08	221	191
D Roborough (Maristow Gardens) ...	R. E. Tuck, Esq. ...	5	1	0	60	...	60.76	195	183
D Sheepstor (Redstone) ...	N. G. Elliot, Esq., C.E. ...	5	1	0	760	59.0	72.35	246	193
D Sheepstor (Burrator) ...	N. G. Elliot, Esq., C.E. ...	5	1	0	755	59.1	72.24	246	194
D Sheepstor (Head Weir) ...	N. G. Elliot, Esq., C.E. ...	5	1	0	730	57.0	69.94	246	195
D Dousland Reservoir ...	N. G. Elliot, Esq., C.E. ...	5	1	0	714	51.8	62.66	213	177
M Dartmoor (Deancombe Farm) ...	N. G. Elliot, Esq., C.E. ...	5	1	0	807	...	77.61	...	...
D Yelverton (Yarrow-Dousland) ...	R. R. Brown, Esq. ...	5	0	8	700	...	63.53	249	180

* Per Mid-Wessex Rainfall Association.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1951				
		Diam. in.	Height of Rim above Ground	Ground above Sea Level	ft.		Rain- fall in.	Days with ·01 in. or more	Days with ·04 in. or more		
SOUTH DEVONSHIRE—(contd.).											
2.—TAMAR & C. (contd.).—											
D	Yelverton (Uppaton) ...	...	Cmdr. J. P. Burton, R.N.	5	1	0	605	...	59·40	230	182
D	Dartmoor (Lowery) ...	...	N. G. Elliot, Esq., C.E.	5	1	0	899	...	70·84	247	196
M	Dartmoor (Leather Tor Farm) ...	...	N. G. Elliot, Esq., C.E.	5	1	0	910	59·0	78·01	...	...
M	Dartmoor (Siward's Cross) ...	...	N. G. Elliot, Esq., C.E.	5	1	0	1074	69·7	90·68	...	...
D	Horrabridge (Dostabrook) ...	...	Mrs. M. F. Corbin	5	0	9	300	...	60·93	224	180
D	Whitchurch (Grenofen) ...	...	H. Chichester, Esq....	5	1	2	325	46·1	58·26	233	194
D	TAVISTOCK ...	...	T. H. Harris, Esq. ...	5	1	0	457	47·6	54·34	212	172
M	Dartmoor (Double Waters) ...	...	N. G. Elliot, Esq., C.E.	5	1	0	1165	64·2	72·93	...	...
D	Dartmouth (North Hessary Tor) ...	...	N. G. Elliot, Esq., C.E.	5	1	0	1398	...	76·44	253	208
d	North Brentor (Langstone) ...	...	T. M. Lashbrook, Esq.	5	1	0	800	...	60·26	...	182
D	Coryton Manor ...	...	T. Newman, Esq.	5	1	2	450	43·5	62·54	222	192
D	Werrington Park ...	...	Mr. R. M. Gregory	5	1	0	600	...	49·04	222	183
D	Ashwater Rectory ...	...	Rev. R. J. D. Newhouse	5	1	0	480	42·6	48·43	208	173
D	Holsworthy (Pyworthy Rectory) ...	...	Rev. E. P. James	5	0	10	400	...	43·86	206	168
D	Holsworthy (Bodmeyric) ...	...	Miss A. D. Rogers	5	0	11	476	42·3	47·53	229	190
3.—ERM & C. 217 sq. mi.											
D	Holsworthy (N.A.A.S. Camp) ...	...	D. J. Harris, Esq. ...	5	1	0	478	...	49·45	229	178
D	Stoke Fleming (Oversea House) ...	...	T. C. Fishburn, Esq.	5	1	6	200	...	46·85	...	...
D	Stoke Fleming (Windward) ...	...	Miss E. L. Garrett ...	5	1	0	380	...	52·85	198	173
d	§Loddiswell (Alleron) ...	...	C. D. Wise, Esq. ...	5	0	8	350	...	48·06	...	150
D	Yealmpton (Torr) ...	...	Miss M. Wimbush ...	5	1	9	100	35·5	44·46	209	163
D	Yealmpton (Cross Park House) ...	...	Rev. Canon J. V. Yonge	5	1	3	160	...	46·59	226	172
d	Loddiswell (Hazelwood House) ...	...	Captain W. G. Peek	5	1	0	300	...	49·62	...	...
D	Wrangaton (Moorhaven Hospital) ...	...	Corpn. (G. H. Ivory & Part.)	5	1	0	650	54·2	67·55	219	186
D	South Brent (Badworthy) ...	...	Miss D. B. Latham...	5	1	2	550	64·4	80·39	210	185
D	South Brent (Didworthy Sanatorium) ...	...	Medical Officer*	5	1	0	675	...	73·71	229	188
	Cornwood (Yealm Head No. 5) ...	...	W. H. Thompson, Esq., C.E.	5	1	0	540	...	65·11	...	...
	Cornwood (Yealm Head No. 1) ...	...	W. H. Thompson, Esq., C.E.	5	1	0	943	...	69·29	...	...
||	Cornwood (Yealm Head No. 2) ...	...	W. H. Thompson, Esq., C.E.	5	1	0	1305	...	70·06	...	...
	Cornwood (Yealm Head No. 4) ...	...	W. H. Thompson, Esq., C.E.	5	1	0	1415	...	69·76	...	...
||	Cornwood (Yealm Head No. 3) ...	...	W. H. Thompson, Esq., C.E.	5	1	0	1416	...	70·41	...	...
4.—DART. 197 sq. mi.											
D	Dartmouth (Dean's Lodge) ...	...	P. F. Summers, Esq. ...	5	1	0	80	...	46·68	203	152
D	Dartmouth ...	...	Borough Engineer & Surveyor	5	0	7	9	...	45·98	213	157
D	Brixham ...	...	Torbay Paint Co., Ltd.	5	1	0	164	...	43·52	208	166
D	Brixham (Combe Bank) ...	...	late Sir Harold Clayton, Bart.	5	6	6	115	36·7	44·48	207	162
D	Brixham (Galmpton) ...	...	Dr. C. B. F. Tivy ...	5	1	0	290	...	46·78	201	161
D	Totnes (Bridgetown) ...	...	W. J. Toope, Esq. ...	5	1	3	40	41·8	52·16	199	171
D	TOTNES (Dartington Hall) ...	...	Dartington Hall Trust	5	1	0	100	...	49·22	203	170
D	Broadhempston (Sneydhurst) ...	...	H. S. Burbery, Esq.	5	1	6	200	...	42·22	202	160
D	Ashburton (West Street) ...	...	W. T. Hannaford, Esq.	5	1	0	236	51·7	58·24	217	166
D	Ashburton (Hele House) ...	...	Rev. M. H. Needham	5	0	7	350	...	54·66	217	175
D	Ashburton (Place) ...	...	Mrs. E. Heron Varwell	5	0	8	400	...	56·31	185	171
D	Dartmoor (Fox Tor) ...	...	Water Eng'r. Paignton U.D.C.	5	1	7	1160	...	80·85	251	194
D	Dartmoor (Strane Valley) ...	...	Water Eng'r. Paignton U.D.C.	5	1	7	1180	...	75·45	251	195
D	PRINCETOWN (H.M. Prison) ...	(+A)	Governor, for M.O.	5	1	0	1359	81·9	95·45	242	208
M	Princetown (Blackabrook Intake) ...	...	N. G. Elliot, Esq., C.E.	5	1	0	1293	...	83·21	...	...
w	Dartmoor (Cowsic Valley) ...	...	N. G. Elliot, Esq., C.E.	5	1	0	1323	76·7	87·66	...	...
D	WIDECOMBE-IN-THE-MOOR ...	...	Miss O. Kitson	5	1	0	1150	...	66·28	232	190
M	Dartmoor (Beardown Tor) ...	...	N. G. Elliot, Esq., C.E.	5	1	0	1582	76·6	91·50	...	...
M	Dartmoor (Beardown Hill) ...	...	N. G. Elliot, Esq., C.E.	5	1	0	1560	...	99·39	...	...

* Per Corpn. (G. H. Ivory & Part.) § Gauge sheltered.

|| Gauge over-exposed on moor.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Ground above Sea Level					
		in.	ft.	in.	ft.	in.	in.		
SOUTH DEVONSHIRE—(contd.).									
5.—TEIGN. 209 sq. mi.									
D Torquay (Higher Lincombe Road) ...	G. N. Carleton-Stiff, Esq. ...	5	1	0	260	...	38.52	204	152
D TORQUAY (Abbey Park) ...	Borough Council ...	5	1	0	27	33.0	39.24	198	153
	(Town Clerk)								
D Torquay (Lydwel Court) ...	J. M. Hepburn, Esq. ...	5	0	10	410	...	41.54	216	160
D NEWTON ABBOT (Seale-Hayne College) ...	Principal ...	5	1	0	375	...	41.59	204	156
D TEIGNMOUTH (Den Gardens) ...	G. F. Rossiter, Esq., B.Sc. ...	8	1	0	20	31.8	37.85	203	149
D Teignmouth (Hazeldown Reservoir) ...	Engineer & Surveyor ...	8	1	0	425	32.4	40.48	212	170
D Teignmouth (Shaldon Reservoir) ...	Engineer & Surveyor ...	5	1	0	213	34.9	41.00	205	162
D Teignmouth (Landscore Reservoir) ...	Engineer & Surveyor ...	8	1	0	132	33.2	39.78	211	165
D Kingsteignton (Firleigh Road) ...	M. B. B. Heath, Esq. ...	6	1	0	130	...	37.53	191	141
D DAWLISH (The Lawn) ...	Engineer & Surveyor ...	5	1	0	18	...	36.96	207	155
D Dawlish (Luscombe Castle) ...	Peter Hoare, Esq. ...	8	1	2	175	35.9	45.52	206	174
D Dawlish (Beach House) ...	H. S. Marshall, Esq., O.B.E. ...	5	1	0	80	...	37.67	191	151
D Chudleigh (Scotleigh) ...	J. P. Hepburn, Esq. ...	5	1	3	280	...	40.12	199	147
D Hennock (Hazelwood) ...	R. P. Kitson, Esq. ...	5	1	0	650	...	45.85	204	164
D Lustleigh (Tottiford) ...	Water Engineer, Torquay ...	8	1	0	790	...	45.41	291	176
M Chagford (Hurstons Ridge) ...	Water Engineer, Torquay ...	5	1	0	1350	...	83.58	...	...
M Chagford (White Ridge) ...	Water Engineer, Torquay ...	5	1	6	1650	...	85.21	...	...
D Chagford (Metherall) ...	Water Engineer, Torquay ...	8	1	0	1150	...	73.76	319	212
M Chagford (Thornworthy Down) ...	Water Engineer, Torquay ...	5	1	6	1250	...	78.75	...	...
M Christow (Laploidy) ...	Water Engineer, Torquay ...	5	1	6	1041	42.3	51.04	...	...
D Chagford (Thornworthy) ...	Miss W. H. Varwell ...	5	0	6	1150	59.6	73.44	243	199
D Chagford (Teignworthy) ...	E. A. Courthope, Esq. ...	5	1	0	1000	...	56.52	245	199
D Chagford (Denshams) ...	C. V. Somers Cocks, Esq. ...	5	0	11	650	...	58.82	241	182
D Drewsteignton (Newton Barton) ...	C. A. St. George Moore Esq. ...	5	1	0	700	...	40.59	218	164
6.—EXE. 445 sq. mi.									
D EXMOUTH (Salterton Road) ...	(+A) Engineer, U.D.C. ...	5	1	0	195	28.6	35.24	206	146
D Exmouth (Filters, Capel Lane) ...	Engineer, U.D.C. ...	5	1	0	240	30.3	33.36	215	158
D STARCROSS ...	Min. of Agric. & Fisheries ...	5	1	0	29	...	37.71	202	143
d Kenton (Warborough House) ...	C. E. Butler, Esq. ...	5	0	10	150	...	40.46	...	159
D Kenton (The Vicarage) ...	Rev. K. E. Alexander ...	5	1	0	100	...	39.45	218	156
d Woodbury (Oakhayes) ...	E. S. Chattock, Esq. ...	5	1	0	200	...	36.00	...	...
D Shillingford Rectory ...	Rev. C. L. O'Ferrall ...	5	1	8	200	...	37.85	204	152
D Exminster (Trood House) ...	Lt.-Col. T. L. Ormiston ...	5	1	11	75	32.9	38.56	209	159
D Exeter (Hatfield, Longdown) ...	C. Holman, Esq. ...	5	0	10	150	33.8	37.86	206	158
D Heavitree (Barrack Road) ...	P. Glanville, Esq. ...	5	1	0	155	...	35.89	206	152
D Exeter (Heavitree) ...	W. N. Lavis, Esq. ...	5	1	0	112	...	31.86	210	144
d Exeter (Devon and Exeter Institute) ...	Librarian ...	5	13	7	155	...	31.27	...	...
D Exeter (The Close) ...	Rev. Canon D. McLaren ...	5	1	7	120	...	34.03	...	...
D EXETER Airport ...	(+A) Meteorological Office ...	5	1	0	106	...	34.45	198	151
d Rockbeare Manor ...	Mrs. D. M. Follett ...	5	0	10	180	30.7	29.46	...	...
D Whimble (Woodland) ...	W. H. L. Hurman, Esq., ...	5	1	0	500	...	41.52	201	165
D Cheriton Bishop (Horslake) ...	L. Collings-Wells, Esq. ...	5	3	6	500	33.3	41.82	207	168
D Crediton (Okefield) ...	Seymour F. Pope, Esq. ...	5	1	0	325	32.2	36.58	238	165
D Copplestone (Copplestone House) ...	Cmdr. W. Pope, R.N., D.S.O. ...	5	0	9	315	34.4	39.44	229	180
D *Silverton (Parsonage Lane) ...	A. G. Smale, Esq. ...	5	7	6	300	...	34.74	212	175
D Bradninch (Bowley Close) ...	Miss H. R. Hepburn ...	8	1	0	300	34.0	40.92	218	173
D CULLOMPTON ...	Capt. N. T. Trezise, R.A. ...	5	1	0	202	35.3	40.77	218	175
D Kentisbeare ...	A. E. Painter, Esq. ...	5	1	0	304	37.1	41.90	216	172
D Tiverton (Halberton) ...	Miss M. G. Izat ...	5	1	6	300	40.8	39.97	206	150
D Tiverton (Cowley Lodge) ...	E. G. Peirce, Esq. ...	5	2	6	250	37.3	42.44	197	166
D Cullompton (Uffculme) ...	F. C. Doidge, Esq. ...	5	1	0	320	...	37.90	201	172
D Tiverton (Bradleigh Down) ...	Lt.-Col. G. V. Hotblack ...	5	1	0	700	...	48.10	209	175

* Exposure unorthodox.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
SOUTH DEVONSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
6.—EXE.—(contd.).									
D Culmstock (Woodgate Farm) ...	T. Langdon Hine, Esq. ...	5	1	0	550	...	40·52	212	176
d Hemyock (Culm Davy House) ...	Capt. F. R. Elmes, J.P. ...	5	1	7	512	...	43·07	...	...
D Morebath Manor ...	Major F. R. Rothwell ...	5	1	0	600	44·3	51·84	199	187
7.—AXE & C. 237 sq. mi.									
D Budleigh Salterton ...	R. Jones-Bateman, Esq. ...	5	1	0	370	...	35·48	227	149
D Exmouth (Squabmoor) ...	J. H. F. Foster, Esq. ...	5	1	0	450	...	37·33	207	153
D EAST BUDLEIGH (Bicton Old Rectory)...	Colonel O. M. Dyke ...	5	1	0	64	...	33·30	209	145
W East Budleigh (Yettington Intakes) ...	Engineer, Exmouth U.D.C. ...	5	1	0	300	32·2	35·08	...	...
D East Budleigh (Bicton Gardens) ...	W. L. McCaskie, Esq. ...	5	1	0	90	31·4	33·43	193	146
D SIDMOUTH ...	Borough Surveyor ...	5	1	0	25	...	34·45	180	143
D Sidmouth (Loretto) ...	S. Horsley, Esq. ...	5	1	6	115	...	35·93	198	157
D Beer (Windyridge) ...	J. G. Sargent, Esq. ...	5	2	0	200	...	38·32	169	132
D Seaton (Marlpit Lane) ...	H. S. Stewart, Esq. ...	5	1	0	150	...	41·53	199	168
D Seaton (Millmead) ...	Vice-Admiral Sir F. Pridham ...	5	0	8	35	...	36·94	192	150
D Colyton (Colyford) ...	Mr. A. R. Forbes ...	5	1	0	100	...	42·82	204	159
D Ottery St. Mary (Broad Oak) ...	Miss Tallant... ...	5	1	2	300	...	40·48	225	167
D Ottery St. Mary (Broad Street) ...	W. D. Badcock, Esq. ...	5	1	0	170	36·3	42·03	191	159
D Seaton Junction... ...	Express Dairy Co. Ltd. ...	5	1	7	114	...	43·10	204	147
D Axminster (Gamberlake House) ...	Mrs. E. B. Bayley ...	5	1	6	120	...	49·03	216	165
D Hawkchurch (Castle House) ...	A. H. Noble, Esq. ...	5	1	0	278	...	49·47	207	159
D Honiton (Feniton Court) ...	Brig. P. B. E. Acland ...	8	0	10	300	36·4	46·98	229	171
D Honiton (Cotleigh House) ...	Major J. M. Salusbury-Trelawny, M.C. ...	5	1	3	540	...	51·45	232	175
D Stockland (The Knoll) ...	Dr. M. Stoker-Murdy ...	5	0	8	300	...	45·82	192	167
NORTH DEVONSHIRE. (Area, 898 sq. mi.)									
1.—NORTH COAST STREAMS. 77 sq. mi.									
D Croyde (Baggy Point) ...	Miss C. M. Hyde ...	5	1	0	40	...	30·07	163	137
D Ilfracombe Reservoir ...	Urban District Council ...	5	1	0	395	46·9	49·70	204	177
D ILFRACOMBE (Bowling Green) ...	Urban District Council ...	5	1	0	25	37·4	46·06	214	165
2.—TAW. 442 sq. mi.									
D Bow (Rosehill) ...	Miss M. Pope ...	5	1	0	400	...	39·13	250	180
D Morchard Bishop Rectory ...	Rev. H. J. A. Rusbridger ...	5	1	0	560	...	39·82	230	174
D Chulmleigh (Ashreigney Rectory) ...	Rev. R. Y. Holmes ...	5	0	6	590	...	40·73	212	181
D Chittlehampton (Stowford House) ...	T. R. M. Cardus, Esq. ...	5	1	0	275	...	44·46	218	191
D East Anstey (Chiltons House)...	Mrs. Akers ...	5	2	6	950	...	57·25	230	199
D Bishops Tawton (Codden Hill) ...	E. F. Batten, Esq. ...	5	0	11	400	...	40·29	210	169
D Swimbridge (The Old Cyder House)...	Capt. J. M. Brierley, M.B.E., T.D. ...	5	1	0	450	...	48·49	231	186
D West Buckland School... ...	W. F. Dale, Esq., ...	5	1	0	650	...	52·70	218	192
D BARNSTAPLE (N. Devon Athenaeum)...	Librarian ...	8	1	0	25	...	36·43	201	154
D CHIVENOR ...	Meteorological Office ...	5	1	0	20	...	36·94	206	161
D Goodleigh (Chelfham Mill) ...	Lt.-Cmdr. J. K. Elliot, R.N. ...	5	0	11	145	...	52·49	223	189
D Braunton (The Linhay) ...	J. E. Gladstone, Esq. ...	5	1	0	70	...	40·21	216	173
D Challacombe ...	Urban District Council ...	5	1	0	851	62·8	74·09	223	201

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1951		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
			Rim above Ground	Ground above Sea Level					
		in.	ft.	in.	ft.	in.	in.		
NORTH DEVONSHIRE—(contd.).									
3.—TORRIDGE. 342 sq. mi.									
M Dartmoor (Cranmere Pool) ...	S. R. Harry, Esq., for M.O.	5	1	0	1845	...	92·10	...	...
M Dartmoor (Newbridge) ...	S. R. Harry, Esq., for M.O.	5	1	0	1500	...	77·60	...	...
D Okehampton (Waterworks) ...	Borough Engineer ...	5	1	0	860	...	65·01	238	195
D Okehampton (Uplands) ...	Miss C. E. Burd ...	5	1	0	700	51·4	63·48	252	188
d Winkleigh (Places) ...	R. A. B. Coad, Esq. ...	5	4	0	500	...	39·10	...	...
D Torrington (Caynton House) ...	C. T. Davenport, Esq., M.A.	5	1	0	278	...	42·36	205	171
D Parkham (Melbury Reservoir) ...	A. Brewer, Esq. ...	5	1	0	515	54·6	56·32	211	193
D Bideford (Jennett's Reservoir) ...	Borough Surveyor ...	5	1	0	62	40·8	40·57	207	167
D Bideford (Gammaton Reservoir) ...	Borough Surveyor ...	5	1	0	350	...	40·95	221	176
D Northam (Windmill Lane) ...	S. Welsford Pain, Esq. ...	5	1	0	200	...	38·94	229	173
D Westward Ho! (Royal Golf Club) ...	Steward ...	5	1	6	10	34·4	32·33	184	171
4.—WEST COAST STREAMS. 32 sq. mi.									
D Hartland (Fosfelle) ...	R. H. Cook, Esq. ...	5	1	0	480	46·0	44·40	191	166
D Clovelly Court ...	Clovelly Estate Co. Ltd. ...	5	0	9	300	...	41·10?	185	169
D HARTLAND POINT ...	Station Officer, for M.O. ...	5	1	0	299	...	36·83	203	159
5.—EXE. 5 sq. mi.									
Kinsford Gate (Span Head) ...	C. H. Archer, Esq. ...	5	1	0	1590	...	(83·02)	...	...
CORNWALL. (Area, 1,363 sq. mi.)									
1.—CAMEL & N.W. COAST STREAMS. 458 sq. mi.									
D Crowan (Boswyn Reservoir) ...	Camborne Water Co. ...	8	1	6	511	47·6	48·94	275	196
D Lelant (Tregilly) ...	Capt. D. M. Stuart, D.S.C.	5	1	0	100	...	45·54	210	183
D Hayle (St. Erth) ...	St. Erth Creamery ...	5	1	0	50	...	45·89	225	173
D St. Ives (Bussow Moor) ...	Borough Surveyor ...	5	1	0	390	48·6	48·50	231	183
D St. Agnes (Church Town) ...	Dr. Henry Whitworth ...	5	1	0	318	...	42·09	192	157
D NEWQUAY (Mount Wise) No. 1 ...	Urban District Council ...	5	1	0	182	33·2	39·41	214	159
D ST. EVAL Airfield ...	Meteorological Office ...	5	1	0	345	...	38·49	217	164
D Bodmin (Castle Hill House) ...	Major Hare ...	5	0	8	484	49·4	52·61	232	194
D Wadebridge (Trevanson) ...	Miss A. T. Skilbeck ...	5	1	2	200	...	46·11	228	188
D Padstow (Cross Street) ...	J. W. V. Sheldon, Esq. ...	5	1	0	80	...	39·63	216	169
D Trevone (Pentonwarra) ...	W. M. Lindley, Esq. ...	5	1	0	25	...	34·30	218	151
D Trebetherick (Pendalen) ...	A. Griffiths, Esq. ...	5	0	9	150	...	41·15	236	190
D St. Minver (Trebetherick) ...	F. A. Nicks, Esq. ...	8	1	0	160	...	34·54	230	169
d St. Minver (Lundy Bay) ...	W. P. Adams, Esq. ...	5	1	2	180	...	43·77	232	180
D Camelford (Stannon Clay Works) ...	English China Clays, Ltd.	8	2	0	850	54·8	61·85	246	203
D Camelford (Advent) ...	W. O. Martyn, Esq. ...	5	1	0	890	...	63·93	222	202
D Camelford (Roughton View) ...	D. W. Bogle, Esq. ...	5	1	0	700	...	60·05	256	203
D Delabole ...	Delabole Slate Co., Ltd. ...	5	1	6	650	...	48·07	227	191
D Bossiney ...	Mrs. W. Stephens ...	5	1	0	200	...	42·17	219	171
D Boscastle (Welltown Manor) ...	Major A. L. Ashwell ...	5	1	0	300	...	50·22	216	168
D Marhamchurch (Widcote) ...	Rev. C. G. Montgomery ...	5	1	0	72	...	37·83	208	158
D BUDE (School House) ...	Urban District Council ...	5	1	0	50	33·4	37·18	218	170
2.—FOWEY & S.E. COAST STREAMS. 620 sq. mi.									
D Ruan Minor (Poltesco) ...	A. A. Ironside, Esq. ...	5	1	0	120	...	46·17	227	172
D Porthcurno ...	Cable & Wireless, Ltd. ...	5	1	0	180	36·2	39·07	199	164
M Mawnan Smith ...	Brig.-Gen. H. D. Croft ...	5	0	9	205	...	50·22	...	...
Sithney (Tregathenen Reservoir) ...	Helston & Porthleven W. Co.	5	1	0	400	...	43·92	...	...
Wendron (Boderwennack) ...	Helston & Porthleven W. Co.	5	1	0	458	...	48·51	227	181
d Penzance (Trewidden) ...	Mrs. C. Williams ...	5	1	0	275	43·2	52·96	208	196
d St. Michael's Mount ...	Lord St. Levan ...	...	...	...	50	...	39·37	...	162
D PENZANCE (Morrab Gardens) ...	Town Clerk ...	5	1	0	55	40·9	48·50	240	186

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

STATIONS		AUTHORITIES		Rain-gauge		Average Rain-fall	1951				
				Diam.	Height of Rim above Ground		Height of Ground above Sea Level	Rain-fall	Days with .01 in. or more	Days with .04 in. or more	
CORNWALL—(contd.).											
2.—FOWEY & S.E. COAST STREAMS—(contd.).											
d	Penzance (Tregwainton House)	...	Col. E. H. W. Bolitho, C.B.	8	1	0	400	46.4	49.25	...	...
d	GULVAL (Experimental Station)	...	Cornwall A.E.C.	5	1	0	20	41.5	40.70	226	173
d	FALMOUTH OBSERVATORY	...	(+A) Royal Cornwall Poly. Soc.	5	1	0	167	43.6	46.05	214	175
d	Penryn Reservoirs	...	Falmouth Corpn. W.W.	5	1	6	235	...	45.91	203	173
d	Penryn (Rame Cross)	...	W. G. Webb, Esq.	5	1	0	679	...	58.71	228	189
d	St. Mawes (Lawn Bank)	...	J. Stanley-Verde, Esq.	5	1	0	100	...	38.63	200	162
d	Devoran (Devoran House)	...	Rev. A. S. Rashleigh	5	1	0	50	...	46.73	221	176
d	Gwennap (Trevince)	...	C. H. Beauchamp, Esq.	10	1	0	240	45.5	51.15	239	185
d	Truro (Tregolls)	...	Miss A. M. Rashleigh	5	1	0	65	41.6	46.38	217	174
d	Truro W.W. (Lower Tregurrow)	...	Manager	5	1	0	50	42.2	46.69	235	177
d	St. Stephen (Hendra Pumping Stn.)	...	St. Austell R.D.C.	5	1	3	234	...	48.28	236	182
d	St. Austell (Poltair Public Gardens)	...	Engineer & Surveyor	5	1	0	312	...	50.00	239	187
d	St. Austell (Trethurgy)	...	Lantern China Clay Co., Ltd.	5	1	6	450	...	53.74	236	195
d	Lerryn (Lucastes)	...	H. T. Curtis, Esq.	5	1	0	50	...	48.45	215	168
d	Looe (Polperro Road)	...	C. S. Hooper, Esq.	5	1	3	410	...	46.35	226	161
d	East Looe	...	W. D. Clague, Esq.	5	1	0	50	...	42.14	208	161
d	Downderry (The Watch House)	...	G. S. Sneyd, Esq.	5	1	0	100	...	43.09	206	168
d	Looe (Polteana)	...	W. C. Crowther, Esq.	5	1	0	60	...	49.51	...	...
d	Liskeard (Penmilder)	...	Miss D. P. Foster	5	1	0	260	...	53.73	229	177
d	Liskeard (Treventon)	...	E. R. Foster, Esq.	5	1	0	360	47.7	56.82	233	178
3.—TAMAR & C. 279 sq. mi.											
d	Newton Ferrers	...	Lady Diana Abdy	8	1	0	375	...	56.27	193	160
d	§St. Mellion (ELLBRIDGE Exp. Stn.)	...	Horticultural Supt.	5	1	0	200	...	52.27	218	183
d	St. Mellion (Pentillie Castle)	...	Capt. J. G. Coryton	5	1	0	150	...	56.41	226	172
M	Launceston (North Hill)	...	H. Landrey, Esq.	5	1	2	475	...	64.39	...	...
d	Launceston (Bastreet, North Hill)	...	S. E. Cornwall Water Bd.*	5	1	6	800	...	61.40	237	198
d	Launceston (Landue)	...	Miss S. E. Tregoning	5	0	11	225	42.5	48.65	228	178
d	North Tamerton (Davies)	...	W. S. Bray, Esq.	5	3	9	390	35.9	35.72	225	171
4.—INSULAR. Isles of Scilly. 6 sq. mi.											
d	ST. MARY'S (Coastguard Station)	...	Station Officer, for M.O.	8	1	3	163	31.9	39.81	227	172
d	Tresco Abbey	...	Major A. A. Dorrien Smith	5	1	0	40	33.4	39.90	225	170
M	Tresco (Rowesfield)	...	Major A. A. Dorrien Smith	8	1	0	40	...	41.31	...	...
SOMERSET. (Area, 1,624 sq. mi.)											
1.—LOWER AVON. 294 sq. mi.											
d	Witham Friary (Gare Hill)	...	C. J. Smith, Esq.	5	1	6	600	...	50.85	217	172
M	Wanstrow (The Manor Cottage)	...	Sir G. A. Ponsonby, K.C.V.O.†	5	1	0	465	...	46.89	...	...
d	Shepton Mallet (Pondsmead)	...	Lady Hobhouse	8	1	0	710	44.9	53.12	229	191
d	Frome Waterworks (Egford)	...	B. H. Parkes, Esq.	8	2	0	270	35.8	44.54	219	163
d	Binegar (Gurneyslade)	...	Bursar	5	1	0	588	43.3	54.18	210	172
d	Stratton-on-Fosse (Downside Abbey)	...	Bursar	8	1	0	600	41.5	50.61	228	169
d	Stratton-on-Fosse (Greystones)	...	R. Chivers, Esq.	5	1	0	650	...	48.94	197	166
d	Orchardleigh Park	...	A. Duckworth, Esq.	8	1	3	303	32.8	47.01	185	157
d	Chilcompton (Manor Farm)	...	R. F. Mattick, Esq.	5	0	8	550	...	53.54	172	160
d	Radstock (Ammerdown House)	...	Mr. L. Sweeting	5	1	3	450	...	48.92	202	163
d	Chewton Mendip (The Priory)	...	Earl Waldegrave	5	1	0	550	42.7	50.64	197	162
w	East Harptree (Pitt Farm)	...	R. W. M. Melvin Esq.	5	1	0	705	46.9	56.78	...	...
d	Midsomer Norton (Dymboro)	...	late Dr. A. Bulleid	5	3	0	350	35.8	45.19	...	157
d	Litton (Sherborne Reservoir)	...	(+A) R. W. M. Melvin, Esq.	5	1	0	340	40.0	51.48	209	163
w	Harptree Hill	...	R. W. M. Melvin, Esq.	5	1	0	784	43.9	53.13	...	...

* Per Cornwall Rainfall Association.

§ Turf wall round gauge.

† Per Somerset River Board.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Ground above Sea Level					
		in.	ft.	in.	ft.	in.	in.		
SOMERSET—(contd.).									
1.—LOWER AVON—(contd.).									
D East Harptree (Harptree House)	... Lt.-Col. H. W. Kettlewell ...	5	0	8	345	43.7	54.26	212	168
W East Harptree (Harptree Court)	... R. W. M. Melvin, Esq. ...	5	1	0	300	39.9	49.25	...	...
D East Harptree (Townsend P.S.)	... Water Engineer ...	5	1	6	220	39.8	51.61	199	163
D Hinton Blewett Manor...	... H. S. Russell, Esq. ...	5	1	0	500	39.6	49.33	181	161
W North Widcombe ...	... R. W. M. Melvin, Esq. ...	5	1	0	215	36.0	45.50	...	...
W Chew Stoke (Heron's Green) ...	... R. W. M. Melvin, Esq. ...	5	1	0	179	36.2	44.49	...	...
D Pensford (Sutton Court) ...	... Lord Strachie ...	8	1	0	280	37.0	41.78	214	162
D Midford (Pumping Station) ...	... Combe Down W.W. Co., Ltd.	5	1	0	135	...	44.29	197	152
W Chew Stoke (Walley Court) ...	... R. W. M. Melvin, Esq. ...	5	1	0	202	35.5	41.83	...	...
W Ridgehill ...	... R. W. M. Melvin, Esq. ...	5	1	0	400	36.0	45.13	...	...
D Chew Magna ...	... R. W. M. Melvin, Esq. ...	5	1	0	180	36.3	40.70	206	159
W Winford (Upper Littleton) ...	... R. W. M. Melvin, Esq., ...	5	1	0	250	37.0	45.66	...	...
W Chew Magna (Norton) ...	... R. W. M. Melvin, Esq. ...	5	1	0	430	...	43.98	...	...
D BATH (Henrietta Park) ...	... Medical Officer of Health ...	5	1	0	67	30.3	39.53	191	150
D Bath (Southstoke Road) ...	... P. Hambleton, Esq. ...	5	1	0	525	...	41.18	213	156
D Bath (Monkton Combe) ...	... W. G. Lock, Esq. ...	5	1	0	450	30.3	36.01?	196	148
D Bath (Combe Lodge) ...	... Miss M. B. Clark ...	5	1	0	520	31.4	40.89	221	151
D Bath (Isolation Hospital) ...	... Medical Officer of Health ...	5	1	0	520	32.8	36.85	166	142
D Bath (Bathwick Grange) ...	... G. R. Marsh, Esq. ...	5	1	0	450	...	38.05	216	153
d Bath (7, Bathwick Hill) ...	... Rev. Preb. A. B. Burney, M.A.	5	0	6	220	...	38.90	163	155
d Bath (37, Bathwick Hill) ...	... M. J. Lipscomb, Esq. ...	5	1	2	215	...	41.55	...	...
D Bath (Charlcombe) ...	... Bath Corporation W.W. ...	5	1	6	325	31.4	35.44	178	144
D Felton (St. Katherines Vicarage)	... Rev. H. L. Franklin ...	5	1	0	560	...	43.67	183	147
W Felton (Upper Town) ...	... R. W. M. Melvin, Esq. ...	5	1	0	550	38.2	43.67	...	...
D Bath (Hamilton Road) ...	... Miss J. Macnab ...	5	1	6	500	...	41.61	168	152
d Batheaston (Mumfords) ...	... G. Lipscomb, Esq. ...	5	1	2	200	...	38.34	...	...
D Batheaston Reservoir ...	... Bath Corporation W.W. ...	5	1	0	248	31.1	38.50	194	145
d Keynsham (Wellsway) ...	... A. E. Stephens, Esq. ...	8	1	0	134	...	32.68	...	138
D ||Keynsham (Somerdale) ...	... J. S. Fry & Sons, Ltd. ...	5	1	0	58	29.4	33.70	190	142
D Barrow Gurney Reservoir ...	... R. W. M. Melvin, Esq. ...	5	1	0	300	34.4	40.60	180	148
D Lansdown ...	... Bath Corporation W.W. ...	5	1	0	380	...	38.81	181	156
D Long Ashton (School House) ...	... J. B. Randell, Esq. ...	5	1	0	161	...	40.38	208	159
D LONG ASHTON (Research Station)	... Director ...	8	1	0	162	34.1	40.44	210	148
D Failand House ...	... H. G. Tanner, Esq....	5	1	0	380	34.6	41.37	182	150
2.—YEO, AXE & BRUE. 405 sq. mi.									
D Bruton (Great Down Cottage)	... F. K. Makins, Esq....	5	1	0	280	...	41.38	210	163
D Bruton (South Brewham) ...	... G. E. May, Esq.† ...	5	1	0	350	...	44.79	194	155
D Street (Low Level Reservoir) ...	... Surveyor, U.D.C. ...	5	1	0	100	...	34.29	176	145
D Street (Hindhayes) ...	... Bancroft Clark, Esq. ...	5	1	6	78	28.8	34.15	193	139
D Street (Millfield) ...	... Bancroft Clark, Esq. ...	5	1	1	100	28.8	36.02	194	161
D Ashcott (Bradley Cottage) ...	... G. Thomson, Esq.* ...	5	1	0	114	...	34.12	192	143
D Edington... ..	... Major A. C. F. Luttrell ...	5	1	6	90	31.2	39.87	213	172
D Bridgwater (R.O.F.) ...	... Superintendent ...	8	1	0	20	...	34.18	196	145
M †Cossington (Gold Corner) ...	... H. Leeming, Esq.* ...	5	1	0	12	...	29.71	...	...
D Shepton Mallet (Charlton) ...	... C. E. Burnell, Esq., J.P.	5	1	0	481	38.8	45.29	228	170
D Shepton Mallet (Field House)	... Sir Frederick Berryman ...	5	1	0	500	38.6	45.15	211	167
d Shepton Mallet (Sewage Farm)	... Surveyor, U.D.C. ...	5	1	3	350	38.7	43.71	...	160
D Highbridge (Bason Bridge) ...	... Wilts United Dairies ...	5	1	0	17	...	35.22	172	153
d Wells (Wookey Hole Paper Mills)	... W. S. Hodgkinson & Co., Ltd.	5	1	4	140	35.1	39.46	...	...
d Wookey Hole (Elm Batch) ...	... W. Speed, Esq. ...	5	0	10	238	36.1	42.35	(189)	(171)
D Burnham (Dunstan House) ...	... Miss A. E. Smith-Spark ...	5	1	0	20	29.1	35.98	201	162
D Burnham ... ..	... Surveyor ...	5	1	0	24	28.5	33.79	176	144

|| Gauge sheltered.

* Per Somerset River Board.

† Gauge over-exposed.

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

STATIONS		AUTHORITIES		Rain-gauge		Average Rain-fall	1951				
				Diam.	Height of		Rain fall	Days with .01 in. or more	Days with .04 in. or more		
				in.	ft.	in.	ft.	in.			
SOMERSET—(contd.).											
2.—YEO, AXE & BRUE—(contd.).											
D	Burnham (Berrow Road)	...	Miss M. Robinson ...	5	1	0	10	29.2	37.44	188	160
D	Cheddar (Pumping Station)	...	R. W. M. Melvin, Esq. ...	5	1	0	50	33.6	40.89	196	154
W	Charterhouse	...	R. W. M. Melvin, Esq. ...	5	1	0	619	43.2	50.26	...	...
	Winscombe (Bleadon)	...	C. C. Hutchings, Esq.* ...	5	1	0	25	...	37.26	...	...
D	Winscombe (Mendip View)	...	C. Gibbins, Esq. ...	5	1	0	100	...	40.57	191	156
M	Winscombe (Bore Hole)	...	Surveyor, Burnham U.D.C. ...	5	1	0	56	...	40.32	...	...
W	Compton Martin	...	R. W. M. Melvin, Esq. ...	5	1	0	276	39.2	51.21	...	...
d	Winscombe (Sidcot School)	...	Headmaster ...	5	1	0	250	...	41.96	...	...
W	Ubley (Rookery Farm)	...	R. W. M. Melvin, Esq. ...	5	1	0	525	42.5	53.82	...	...
D	Winscombe (Wintrath)...	...	D. B. Grubb, Esq. ...	5	1	0	290	35.8	42.91	192	156
W	Blagdon Hill	...	R. W. M. Melvin, Esq. ...	5	1	0	550	40.6	50.90	...	...
D	Blagdon (Pumping Station)	...	R. W. M. Melvin, Esq. ...	5	1	0	112	37.0	46.12	188	156
W	Blagdon (Coombe Lodge)	...	R. W. M. Melvin, Esq. ...	5	1	0	388	39.6	50.20	...	...
W	Nempnett (West Town)	...	R. W. M. Melvin, Esq. ...	5	1	0	263	36.3	43.19	...	...
W	Burrington (Burrington Links)	...	R. W. M. Melvin, Esq. ...	5	1	0	335	38.1	46.97	...	...
D	WESTON-SUPER-MARE (Clarence Park)	...	Medical Officer of Health	5	1	0	28	29.9	38.67	166	148
D	Weston-super-Mare (Worlebury Park)	...	B.S.F. Hessey, Esq. ...	5	1	0	386	...	40.08	209	159
W	Butcombe (Cholwell)	...	R. W. M. Melvin, Esq. ...	5	1	0	370	38.9	43.98	...	...
D	Yatton (Pumping Station)	...	Long Ashton, R.D.C. ...	5	0	10	18	...	39.08	192	146
D	Yatton (Chelvey)	...	R. W. M. Melvin, Esq. ...	5	1	0	60	32.5	39.61	197	155
D	West Town	...	Theodore Robinson, Esq. ...	5	2	0	80	31.9	38.53	203	152
D	Clevedon W.W. (Tickenham Rd.)	...	Clevedon Water Co. ...	5	1	6	50	31.2	38.27	183	153
D	Wraxall Court	...	Head Gardener ...	5	0	10	200	...	35.97	188	148
D	Walton-in-Gordano	...	Lt.-Col. Sir Chas. Miles, Bt. ...	5	0	9	80	...	39.09	217	160
d	Portbury (The Farm)	...	J. Giles, Esq. ...	5	1	0	20	...	39.94	...	140
D	Portishead (Bristol Road)	...	H. McLauchlan, Esq. ...	5	1	6	20	34.9	35.86	187	156
d	Portishead (Redcliffe Bay)	...	R. A. S. Heaven, Esq. ...	5	1	0	180	...	40.61	173	153
3.—PARRETT. 568 sq. mi.											
D	Chard (Fairlawn)	...	A. Austin, Esq., F.R.Met.S. ...	5	1	0	373	...	48.68	209	143
D	Misterton	...	Miss M. D. Bindley ...	5	1	0	300	...	49.09	216	161
D	Crewkerne (The Reservoir)	...	Surveyor ...	8	1	0	426	33.7	48.39	211	159
D	Crewkerne (Bincombe House)	...	Major R. A. Russell, T.D. ...	5	1	2	293	34.7	44.70	197	152
D	Hardington Mandeville	...	L. Dawson Campbell, Esq. ...	5	1	0	400	...	47.93	210	160
D	Yeovil (Grass Royal School)	...	Headmaster ...	5	1	0	200	...	41.94	194	159
D	Yeovil (Pen Mill Sewage Works)	...	Senior Sanitary Inspector ...	5	1	5	102	30.6	45.94	181	161
d	Yeovil (Summerleaze Park School)	...	F. R. G. Steer, Esq. ...	5	0	7	175	...	38.73	...	...
D	Pitminster (Blagdon Hill)	...	R. B. A. Hankey, Esq. ...	5	0	10	650	...	54.76	234	185
D	Angersleigh (Leigh Reservoir)	...	Taunton Waterworks ...	8	1	0	530	...	50.69	224	184
M	Compton Durville (Waterworks)	...	Langport R.D.C.* ...	5	1	0	60	...	40.80	...	...
D	Bickenhall (Forest Drove)	...	A. H. Turner, Esq. ...	5	1	10	250	...	47.29	239	174
D	Sampford Arundel (Sandfield)	...	Mrs. S. G. Williams ...	5	1	0	413	...	44.84	218	183
	Wellington (Payton House)	...	Miss M. F. Mathias ...	5	0	11	230	...	42.38	...	...
D	Ashbrittle (Kyrle)	...	Major J. H. Mathias ...	5	0	9	525	...	42.81	232	172
D	Martock Vicarage	...	Prebendary G. W. Saunders ...	5	0	9	61	29.6	37.49	191	151
	Wellington (West Buckland)	...	D. R. Chappell, Esq. ...	5	1	0	200	...	39.16	...	...
D	Rimpton (Pound House)	...	Miss A. A. Gegg* ...	5	1	0	140	...	37.51	210	150
D	YEOVILTON Airfield	...	Naval Weather Service, for M.O. ...	5	0	11	58	...	37.88	173	153
D	Taunton (Vivary Park)...	...	Medical Officer of Health ...	5	1	0	71	29.5	34.49	210	156
D	Taunton (Ashley Road)	...	The Rt. Rev. Bishop R. D. Acland ...	5	1	0	75	...	37.88	214	175
	Queen Camel (England's Side)	...	Mrs. V. M. Brendon* ...	5	1	0	100	...	39.99	...	...
d	Taunton (St. George's Rectory)	...	Canon R. A. Iles ...	5	0	7	90	...	35.53	...	...

* Per Somerset River Board.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1951			
		Diam.	Height of		in.		in.	Days with ·01 in. or more	Days with ·04 in. or more	
		Rim above Ground	Ground above Sea Level	ft.		in.				
SOMERSET—(contd.).		in.	ft.	in.	ft.	in.				
3.—PARRETT—(contd.).										
	Taunton	Miss M. G. Colthurst*	5	0	8	55	...	38·77	...	...
D	Milverton (Spring Grove)	T. Lownds, Esq.	5	1	0	640	36·7	41·85	236	179
	Langport (Drayton)	E. Dabinett, Esq.*	5	1	0	46	...	35·15	...	...
D	Milverton (Rivers Farm)	A. Wimbush, Esq.	5	1	0	300	...	37·92	224	170
D	Wiveliscombe (Culverhead)	Lt.-Col. H. Jefferys-Taylor	5	1	6	450	39·6	42·61	196	143
D	Langport (The Grange)	Miss V. M. Page	5	1	0	50	...	32·85	195	157
D	Langport (County School)	Headmaster	5	1	0	65	...	33·21	196	148
D	North Cadbury	H. R. Watson, Esq.	5	1	0	240	...	45·23	219	172
D	Somerton (Erleigh)	A. R. E. Pretor-Pinney, Esq.*	5	1	0	106	...	36·12	203	156
D	Wiveliscombe (Bulland Lodge)	Air V.-M. A. J. Capel, C.B.	5	1	1	790	...	47·45	218	183
D	Bishop's Lydeard (Ash Priors)	H. Ross, Esq.	5	0	9	169	...	37·45	213	171
D	Kingston St. Mary (Tarr Cottage)	Mrs. Shattock	5	1	0	275	...	39·43	210	178
D	Bishop's Lydeard (Watts House)	Agent to Trustees	5	1	0	320	...	37·02	209	167
	Babcart (The Cedars)	D. R. May, Esq.*	5	1	0	150	...	39·64	...	...
	West Sedgemoor (Pumping Stn.)	Somerset River Board*	5	1	0	25	...	34·77	...	...
	Taunton (East Lyng)	J. T. Ames, Esq.	5	1	0	43	...	38·21	...	...
D	§Clatworthy (Whites Farm)	Taunton W.W.	5	1	0	823	...	54·21	217	186
M	§Clatworthy (Stoford Farm)	Taunton W.W.	5	1	0	1090	...	59·07	...	...
M	§Clatworthy (Sedgeborough Farm)	Taunton W.W.	5	1	0	1078	...	52·83	...	...
	Castle Cary	W. Davis, Esq.*	5	1	0	290	...	42·87	...	...
D	Bagborough (Littlecourt)	Lt-Gen. Sir Ed. Wetherall	5	0	10	450	...	45·96	212	187
D	Bridgwater (Northmoor P.S.) (+A)	V. H. Bawdon, Esq.*	5	1	0	23	...	33·26	196	149
	Bridgwater (Enmore)	Capt. H. H. Broadmead*	...	...	...	200	...	37·85	...	...
D	Bridgwater (Durleigh)	R. A. Watson, Esq.	8	1	0	46	29·8	35·21	194	153
D	Bridgwater (Blake Gardens)	R. A. Watson, Esq.	5	3	1	27	28·5	37·32	210	172
	Bridgwater (Wembdon Hill)	Mrs. M. L. Colthurst*	5	1	0	110	...	33·60	...	...
	Bridgwater (Wembdon)	E. L. Kelting, Esq., C.E.*	5	1	6	47	...	35·06	213	155
d	Over Stowey (Plainsfield)	Lord St. Audries	5	0	10	400	...	41·62	219	174
	Spaxton (Dore House)	Dr. G. L. Lyon-Smith	5	0	9	176	...	42·23	...	...
D	Over Stowey (Quantock Sanatorium)	Medical Superintendent	5	1	4	430	35·0	45·32	207	175
D	Cannington (Ashford W.W.)	R. A. Watson, Esq.	5	1	1	102	31·4	38·63	199	162
D	Over Stowey	H. L. Butt, Esq.	5	1	0	550	...	45·54	241	184
D	Nether Stowey (Old House)	Lord St. Audries	5	0	9	250	...	46·91	218	170
D	CANNINGTON (Somerset Farm Inst.)	Principal	5	1	0	95	...	34·83	210	158
D	Bridgwater (Fiddington)	J. M. Lee, Esq.*	5	1	0	100	...	43·23	227	167
4.—NORTH COAST STREAMS. 158 sq. mi.										
D	Bicknoller (Weacombe House)	W. T. Greswell, Esq.	5	1	6	300	...	41·76	183	173
	Dodington	W. Stone, Esq.*	5	1	0	330	...	43·07	...	...
	Holford	E. L. Kelting, Esq.*	5	1	0	350	...	38·79	...	...
D	Kilve Court	Mrs. Cooke-Hurle	5	1	0	150	30·0	36·36	196	168
D	Kilve (Corner Close)	Major H. J. Cann	5	0	9	350	...	42·23	177	160
D	East Quantoxhead (The Rectory)	Mrs. F. L. Aldridge	5	1	0	130	...	38·98	208	174
D	Watchet (Chapel Cleeve)	G. S. Lysaght, Esq.	5	...	...	90	...	35·47	206	162
D	Stogursey (Fairfield House)	Lord St. Audries	8	1	0	150	31·1	39·43	211	165
	Bridgwater (Stockland Manor)	A. Dimes, Esq.*	5	1	0	90	...	36·08	...	...
d	Wootton Courtenay (Ford Cottage)	C. H. Archer, Esq.	5	1	0	486	...	(56·14)	...	...
D	Carhampton (The Croft)	E. W. Darby, Esq.	5	1	0	100	...	40·45	225	184
D	Dunster Castle Gardens	Mr. C. L. Baldwin	8	1	0	100	...	38·38	213	179
D	Dunster (County School)	J. H. Powles, Esq.	5	1	0	160	32·2	40·29	194	165
D	Minehead (Dunkery Lodge)	Rev. E. P. Liddon	8	1	0	15	...	40·66	231	176
D	Porlock (Hacketty Way)	H. K. Reeves, Esq.	5	1	0	200	...	52·11	205	174
D	Stolford (Whitewick Farm)	C. Mackenzie, Esq.	5	0	9	10	...	37·70	216	165
D	Minehead (Blenheim Gardens) (+A)	Engineer & Surveyor	5	1	0	37	...	35·63	205	162
D	Minehead (Weirfield)	Rev. Canon A. G. Robinson	5	1	5	110	...	35·74	193	165
d	West Porlock Weir	E. Percival, Esq.	5	1	6	50	42·7	53·09	...	148

* Per Somerset River Board.

§ Turf wall round gauge.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
SOMERSET—(contd.).		in.	ft.	in.	ft.	in.	in.		
5.—EXE. 122 sq. mi.									
d Brushford Nurseries ...	Mr. G. Ruff ...	5	1	0	450	43·8	50·23	...	...
D East Anstey (Dassels) ...	Major F. R. Farquhar ...	5	1	0	850	...	52·22	244	191
D Winsford ...	Capt. R. S. Le Bas ...	5	1	0	620	54·3	59·53	233	187
D Winsford (Howtown House) ...	W. H. Hawker, Esq. ...	5	1	6	700	...	57·65	229	180
D Simondsbad (Honeyhead) ...	Sir Robert Cohen, K.B.E. ...	5	1	0	1250	...	69·96	232	202
6.—AXE. 42 sq. mi.									
D Wayford Manor ...	H. L. P. Baker, Esq. ...	5	0	10	425	...	46·28	202	165
d Cricket St. Thomas ...	Mr. G. A. Wakefield ...	5	1	0	444	...	51·98	...	...
7.—STOUR. 35 sq. mi.									
D Church Stanton (Otterhead) ...	Water Engineer, Taunton ...	5	1	0	819	...	52·97	244	182
Henstridge ...	Mr. P. Parsons* ...	5	1	1	256	...	43·58	...	...

DIVISION VI—WEST MIDLAND COUNTIES

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

		in.	ft.	in.	ft.	in.	in.		
1.—WYE. 50 sq. mi.									
D St. Briavels (Wyeside) ...	Major H. J. Le Mare ...	5	1	0	450	...	50·14	197	159
D St. Briavels (Woodlands) ...	F. J. Pryce-Jenkin, Esq. ...	5	1	0	250	...	44·66	186	162
D Redbrook (Pumping Station) ...	C. W. D. Ward, Esq. ...	5	1	0	225	...	47·02	196	161
d Forest of Dean (Reddings Lodge) ...	Forestry Commission ...	8	1	3	650	...	43·53	210	168
D Forest of Dean (Mailscot Lodge) ...	Forestry Commission ...	8	1	3	630	...	44·03	215	169
2.—SEVERN. Right Bank Tributaries. 185 sq. mi.									
D Forest of Dean (Blakeney Hill Lodge) ...	Forestry Commission ...	8	1	6	450	31·6	37·81	184	169
d Forest of Dean (PARKEND) ...	Forestry Commission ...	8	1	0	325	...	43·57	209	162
D § Coleford (Cannop Colliery) ...	Manager ...	5	1	0	330	...	42·96	197	163
D Forest of Dean (Serridge Lodge) ...	Forestry Commission ...	8	0	10	600	...	38·83	201	162
d Forest of Dean (Edgehills Lodge) ...	Forestry Commission ...	8	1	0	915	...	38·60	...	...
D Newent (Taynton) ...	M. Philips Price, Esq. ...	5	1	0	60	29·3	35·38	196	158
d Bromsbarrow Heath (Pumping Station) ...	Malvern U.D.C. ...	5	1	0	181	26·2	36·31	...	144
D Tewkesbury (Forthampton Court) ...	Mr. B. Webster ...	5	1	0	48	26·9	32·00	197	150
D Tewkesbury (Upper Lode) ...	R. D. Adams, Esq. ...	5	1	0	41	25·2	30·60	201	150
3.—SEVERN. Left Bank Tributaries. 369 sq. mi.									
D Thornbury (Thornbury Park) ...	Capt. R. A. Bennett ...	5	1	3	70	32·2	41·09	191	162
D Alderley (Cordwalles) ...	C. H. Ledward, Esq. ...	5	1	0	300	...	36·26	199	147
d Tortworth School ...	J. R. Organ, Esq. ...	5	1	6	264	31·8	37·49	...	143
d Wotton-under-Edge (Bournstream) ...	Lt.-Col. B. S. Browne ...	5	1	8	300	...	38·10	198	155
D Berkeley Castle Gardens ...	Mr. T. B. Ashbee ...	5	1	6	60	29·1	36·60	190	152
D Dursley (Cam) ...	H. Thrower, Esq. ...	5	1	0	250	...	41·50	201	152
D Berkeley (Sharpness Docks) ...	E. Perry, Esq., C.E. ...	5	1	3	50	...	38·04	195	140
D Minchinhampton (The Shard) ...	E. H. Denne, Esq. ...	5	1	0	495	...	43·30	207	165
D Minchinhampton (Rectory Cottage) ...	F/Lt. G. W. Fisher ...	5	1	0	610	33·9	43·23	211	170
d Chalford (Waterworks) ...	Stroud District W. Bd. ...	5	2	0	220	...	40·46	...	...
d Frocester Manor ...	Capt. J. E. H. Graham-Clarke ...	5	1	0	80	...	(39·00)	...	...
D Stroud (Oakridge) ...	late Hon. Sir Stafford Cripps, K.C. ...	5	1	0	550	...	42·28	211	168
D Stonehouse (Wycliffe College) ...	W. A. Sibby, Esq. ...	5	1	0	135	29·0	36·95	182	150
D Stroud (RUSCOMBE) ...	B. D. Parkin, Esq. ...	5	1	0	610	...	39·16	210	154
D Miserden Park ...	Agent ...	5	1	3	800	...	47·79	211	177
D Whitminster (The Junction) ...	E. Perry, Esq., C.E. ...	5	1	0	32	...	37·16	177	147
d Haresfield Court ...	G. B. Heywood, Esq. ...	5	1	0	100	30·2	36·38	...	...
D Painswick (Verlands) ...	Lady Sleeman ...	5	1	0	650	...	40·65	200	157

* Per Somerset River Board.

§ Turf wall round gauge.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
GLOUCESTERSHIRE—(contd.).									
		in.	ft.	in.	ft.	in.	in.		
3.—SEVERN. Left Bank Tributaries—(contd.).									
D Harescombe Grange	Mrs. Stamford Hutton ...	5	1	0	557	29·3	38·84	198	165
D Cranham (Woodside)	J. H. Edwards, Esq. ...	5	1	5	650	...	37·00	210	158
D Witcombe Reservoir	J. H. Goodridge, Esq., C.E.	8	1	0	297	29·2	36·93	197	150
D Brockworth (The Kia)	Mrs. Grace Buckle ...	5	1	4	220	27·1	33·99	186	149
D Gloucester (The Lannett) ...	R. H. Ellis, Esq. ...	5	1	3	56	26·6	29·96	180	142
D Gloucester (Llanthony Lock) ...	R. D. Adams, Esq. ...	5	0	10	33	25·4	30·57	197	150
D Dowdeswell Reservoir	Chelt. & Glos. Water Bd.	5	1	3	357	30·0	39·74	194	164
D Cheltenham (Hewletts Reservoir)	Chelt. & Glos. Water Bd.	8	1	6	419	27·7	36·32	185	155
D Cheltenham (Sandford Mead) ...	Chelt. & Glos. Water Bd.	5	2	4	210	26·3	36·84	191	154
D CHELTENHAM (Montpellier Gdns.) (+A)	Town Clerk ...	5	1	0	214	26·5	32·91	194	149
4.—SEVERN. Upper Avon. 68 sq. mi.									
D Blockley (The Manor House) ...	Major H. F. Cox ...	5	1	0	450	29·4	41·19	213	159
D Winchcombe (Sudeley Castle)...	Mrs. M. Dent-Brocklehurst	5	1	0	357	...	41·08	188	163
D Toddington (Lydes)	A. G. Fyshe, Esq. ...	5	1	0	270	...	33·34	199	150
d Broadway (Buckland Manor) ...	Mr. J. Whiteley ...	5	1	0	300	27·7	39·45	...	...
D Chipping Campden (Leysbourne)	Miss C. Sparling ...	5	1	0	470	...	38·79	224	161
D Campden (Research Station) ...	Director ...	5	1	0	389	...	37·97	204	135
5.—LOWER AVON & C. 208 sq. mi.									
D Bitton (Willsbridge Nurseries) ...	G. E. A. Richards, Esq. ...	5	1	0	100	...	36·42	193	145
D Bath (Monkswood Reservoir) ...	Bath Corporation W.W. ...	5	1	0	365	...	40·61	217	159
D Bristol (Hopewell Hill)... ..	W. Gloucester Water Co. ...	8	1	8	386	30·5	34·74	198	159
D Clifton (Oakfield Road)	R. W. M. Melvin, Esq. ...	5	1	0	200	33·0	38·18	176	152
D Bristol (St. Andrew's Park) ...	Miss O. M. Webb ...	5	1	2	200	32·6	40·12	207	158
d Bristol (Stoke Paddock Road) ...	Major E. J. Dunscombe ...	5	1	6	90	...	38·07	...	...
d Horfield	(+A) City Engineer, Bristol	5	1	0	248	...	35·44	...	150
D BRISTOL (FILTON)	(+A) Meteorological Office ...	5	1	0	192	...	34·91	186	151
D Henbury (The Ridgeway)	R. H. Gunn, Esq. ...	5	1	0	263	...	36·84	197	154
D FRAMPTON COTTERELL (Park House)...	H. H. Harding, Esq. ...	5	1	0	158	29·8	37·35	201	167
D Badminton Gardens	Head Gardener ...	5	1	0	407	...	49·15	197	166
D Shipton Moyne (Pumping Station) ...	W. Gloucester Water Co. ...	5	1	0	312	...	38·58	216	161
D Long Newnton	P. A. Day, Esq. ...	5	1	0	350	...	38·72	197	166
6.—THAMES. Right Bank Tributaries. 17 sq. mi.									
7.—THAMES. Windrush & c. 340 sq. mi.									
d Fairford (Reeve, Kempford) ...	Major H. A. Northen ...	5	1	0	260	25·6	36·78	...	155
D Lechlade (St. John's Lock) ...	Thames Conservancy ...	5	1	7	237	24·3	33·81	206	155
D Lechlade (Claydon House) ...	Mr. C. Lock ...	5	1	0	250	25·9	31·68	176	153
D Fairford (Draycott)	Miss F. A. Edmonds ...	5	2	0	200	...	35·71	193	161
d Cirencester (Waterton House) ...	Alex McIntyre, Esq. ...	5	1	0	330	...	40·33	...	...
D Cirencester (Somerford Road) ...	Nigel Woods, Esq. ...	5	1	0	354	30·8	40·22	209	168
D Cirencester (Baunton W.W.) ... (+A)	Cirencester U.D.C. ...	5	1	0	396	...	41·61	208	165
d Daglingworth Manor	D. W. Harvey, Esq....	8	0	10	450	32·2	42·67	...	164
d Great Barrington	Mrs. R. E. Lazenby ...	5	1	6	417	28·8	34·64	...	...
D LITTLE RISSINGTON Airfield ... (+A)	Meteorological Office ...	5	1	0	731	29·4	38·34	193	161
HEREFORDSHIRE. (Area 840 sq. mi.)									
1.—WYE. 685 sq. mi.									
d Broad Oak (Glanmonnow House) ...	Brig.-Gen. T. R. F. Bate ...	5	0	10	500	...	37·70	...	162
d Llangarron (Tre Evan)	Colonel C. R. B. Owen ...	5	1	0	256	...	38·46	...	...
Walford (Hill Court Gardens) ...	Mrs. G. R. Trafford ...	5	1	1	126	28·4	35·93	...	...
D ROSS-ON-WYE	(+A) F. J. Parsons, Esq., for M.O.	5	1	0	223	28·2	34·77	189	142
D Bridstow (Ashe Leigh)	Major W. Stanley R. Cox ...	5	1	6	220	27·4	35·40	193	148
D Kentchurch Court	J. Lucas-Scudamore, Esq. ...	5	1	0	236	...	39·89	197	144

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1951		
		Diam.	Height of				Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
			Rim above Ground	Ground above Sea Level					
HEREFORDSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
1.—WYE—(contd.).									
D	Perrystone Court	5	1	3	450	25·5	36·61	204	157
D	Vowchurch (Ladywell House)... ..	5	1	0	400	34·9	38·07	216	155
d	Michaelchurch Escley (Llan Rosser) ...	5	1	0	1125	...	47·06	...	...
d	Hampton Bishop	5	1	0	145	...	31·91	...	...
D	Hereford (Breinton Court)	5	1	0	238	25·9	31·49	202	159
D	Hereford (Kings Acre Road)	5	1	0	216	...	30·58	192	149
D	Hereford (Lichfield Avenue)	5	1	6	200	...	30·39	193	149
D	Hereford (Lugwardine)	5	0	9	300	...	34·15	215	158
D	Tillington Fruit Farm	5	4	6	270	...	30·67	207	154
D	Clifford School	5	1	7	490	...	38·39	173	144
D	Burghill Hospital	5	1	0	300	26·3	30·55	187	145
D	PRESTON WYNNE	5	1	0	274	...	29·27	205	140
D	Wellington (Yew Tree House)	5	1	0	185	...	30·53	212	148
D	Weobley (Garnstone)	5	1	2	442	...	33·69	193	145
D	Sarnesfield Grange	5	1	0	378	...	34·77	191	157
D	Hope under Dinmore	5	1	0	246	27·4	28·36	176	125
D	Pembridge (Moor Court)	5	1	8	400	...	33·74	196	150
D	Bromyard (The Down House)	5	1	1	485	...	34·29	195	149
d	Bromyard (Grammar School)	5	1	0	400	...	33·72	190	148
D	Lyonshall (The Croft)	5	1	0	474	...	36·04	205	155
D	LYONSHALL (The Whittern)	5	1	0	508	...	37·37	193	158
d	Kington (Hill Court)	5	0	9	595	...	38·02	178	164
D	Monkland Cottage	5	1	3	300	...	32·39	208	151
D	Kimbolton (Grantsfield)	5	1	0	424	28·4	31·30	197	149
D	Shobdon (Ty'n-y-Coed)	5	1	0	450	...	35·95	207	168
D	Presteigne (Middlemoor)	8	1	0	480	34·0	38·48	232	155
2.—SEVERN. Right Bank Tributaries. 155 sq. mi.									
D	Newent (Kilcot)	8	1	6	170	...	39·09	201	159
D	Much Marcle (Hall Court)	5	1	0	200	...	35·04	176	142
D	Ledbury (The Sladd)	5	1	0	400	...	34·66	193	148
D	Downton Castle (Estate Office)	5	0	9	450	...	34·83	193	143
SHROPSHIRE. (Area, 1,343 sq. mi.)									
1.—MERSEY. Weaver. 27 sq. mi.									
D	Adderley (Raven House)	5	1	1	270	...	30·57	178	151
2.—DEE. 30 sq. mi.									
D	Whitchurch (Fenns Bank)	8	1	0	271	27·1	33·59	201	160
D	Overton (Sodylt Hall)	5	3	0	266	...	35·56	199	170
3.—SEVERN. Right Bank Tributaries. 722 sq. mi.									
D	Bucknell Vicarage	5	1	0	480	...	37·35	199	156
d	Ludlow (Hill Crest)	5	1	6	350	...	32·68	...	...
D	Bromfield (Oakly Park)	5	1	5	300	29·7	34·36	191	146
M	Cleobury Mortimer (Chilton)	5	1	0	410	...	34·94	...	...
D	Anchor (Kerry Forest)	5	0	10	1150	...	55·12	266	188
D	Burwarton (Dingle Leys)	5	0	11	730	...	40·23	220	163
D	Craven Arms (Westhope Cottage)	5	0	11	610	...	33·18	200	148
d	Lydbury North (Totterton)	5	0	10	700	30·8	34·10	...	...
d	Bishop's Castle (High School)	5	1	0	575	32·8	37·81	...	...
D	Church Stretton (Sewage Works)	5	1	0	582	33·7	39·00	209	164
D	Bridgnorth (Morville Hall)	5	1	0	320	...	32·57	209	147

* Per River Wye Catchment Board.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SHROPSHIRE—(contd.).									
3.—SEVERN. Right Bank Tributaries—(contd.).									
D Chirbury (Marrington Hall) ...	Brig. C. S. Price-Davies ...	5	1	0	490	29.5	35.26	178	153
d Church Stretton (Woolstaston) ...	Mrs. E. E. Parry ...	5	1	3	745	31.9	40.24	...	...
D Cressage (Harnage Grange) ...	E. W. Towler, Esq. ...	5	1	1	384	...	31.77	185	158
D Worthen ...	Dr. D. M. Hunter ...	5	1	0	395	...	35.69	207	163
D Meole Brace Hall ...	J. B. Hoare, Esq. ...	5	1	0	250	...	28.45	193	155
D Shrewsbury (Longden Road) ...	Capt. J. Deedes ...	5	1	0	250	...	30.34	201	152
D Shrewsbury (St. John's Hill) ...	Atcham R.D.C. ...	5	1	0	253	...	28.96	184	141
D Shrewsbury (Monkmoor) ...	Medical Officer of Health ...	8	1	0	184	24.7	29.14	221	156
4.—SEVERN. Left Bank Tributaries. 564 sq. mi.									
D Bridgnorth (Stanmore Hall) ...	The Hon. E. S. Hamilton-Russell ...	5	1	0	297	...	31.34	217	149
D Bridgnorth (Silverdale) ...	H. E. Trevor, Esq. ...	5	1	0	245	...	31.77	201	149
D Hilton (Pumping Station) ...	B. L. McMillan, Esq., C.E. ...	5	1	0	168	...	29.92	190	146
D Ackleton (The Folley) ...	H. J. Bath, Esq. ...	5	1	0	230	...	31.90	207	164
d Pattingham (Kingslow Hall) ...	R. Tildesley, Esq. ...	5	1	0	300	...	30.00	...	...
d Shifnal (Hatton Grange) ...	Head Gardener ...	5	1	6	262	26.1	33.75	173	152
D Shifnal (Cosford Waterworks) ...	B. L. McMillan, Esq., C.E. ...	5	0	10	222	...	31.95	203	148
D Wellington W.W. (Wrekin Res.) ...	Surveyor ...	5	1	4	478	25.7	42.65?	186	158
D Wellington (Wrekin College) ...	D. H. B. Pirkis, Esq. ...	5	1	0	350	...	36.36	184	163
D Wellington (Allscott) ...	British Sugar Corp., Ltd. ...	5	0	9	200	...	29.99	...	...
D NEWPORT (Harper Adams Ag. Coll.) ...	Principal ...	5	1	0	211	24.8	30.79	217	150
D SHAWBURY Airfield ...	Meteorological Office ...	5	1	0	235	...	29.16	198	145
D Newport (Chetwynd Park) ...	J. G. B. Borough, Esq. ...	5	0	9	230	28.3	33.29	219	152
D Wem (Modern School) ...	Headmaster ...	5	0	9	260	...	31.66	202	162
D Oswestry (Llanyblodwel) ...	Major W. M. Dugdale ...	5	0	7	350	...	42.05	199	166
D OSWESTRY (Filter Beds) ...	Liverpool Corporation W.W. ...	5	1	0	568	...	40.63	206	171
D Oswestry (Llanforda Reservoir) ...	Liverpool Corporation W.W. ...	8	1	0	702	...	43.37	201	175
D Oswestry (Mount Reservoir) ...	J. E. Taylor, Esq., C.E. ...	5	1	0	698	34.5	42.97	223	176
D Oswestry (Cross Street) ...	J. R. Mackavoy, Esq. ...	5	1	0	398	...	39.58	202	174
D Oswestry (Llwyn Terrace) ...	(+A) J. E. Taylor, Esq., C.E. ...	5	1	0	430	...	39.51	213	168
D Ellesmere (Sheraton House) ...	C. Adam, Esq. ...	5	0	10	300	...	34.87	203	160
STAFFORDSHIRE. (Area, 1,166 sq. mi.)									
1.—MERSEY. Weaver. 50 sq. mi.									
D Madeley Vicarage ...	Rev. W. Garner* ...	5	1	0	350	...	37.89	223	169
D Biddulph Grange ...	Secretary ...	5	1	0	560	33.8	41.71	199	169
2.—SEVERN. Left Bank Tributaries. 160 sq. mi.									
D Kinver ...	R. A. Robertson, Esq., C.E. ...	5	1	0	152	...	32.12	200	154
d Lye (Pumping Station) ...	G. P. Deeley, Esq. ...	5	1	0	245	...	34.40	...	146
D Kinver (Prestwood) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	179	...	30.39	204	161
D Kingswinford (Ashwood P.S.) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	207	24.9	30.55	199	152
D Wolverhampton (Dimmingsdale W.W.) ...	B. L. McMillan, Esq., C.E. ...	5	0	9	323	...	30.97	187	140
d Wolverhampton (West Park) ...	Dr. R. H. H. Jolly ...	5	1	0	430	27.1	34.12	221	161
D Tettenhall (Waterworks) ...	B. L. McMillan, Esq., C.E. ...	5	0	10	468	...	33.82	207	155
D Shifnal (Weston Park) ...	The Earl of Bradford ...	5	1	6	400	27.3	29.28	221	158
d Norbury Junction ...	British Railways ...	5	1	0	331	28.0	35.68	...	...
D MARKET DRAYTON (Loggerheads) ...	Cheshire Joint Sanatorium ...	5	1	0	581	...	33.31	201	154
D Maer Hall Gardens ...	A. E. Berisford, Esq. ...	5	1	0	410	32.5	35.31	177	161
3.—TRENT. Right Bank Tributaries. 513 sq. mi.									
D Tividale (Sewage Disposal Works) ...	G. P. Deeley, Esq. ...	5	1	0	432	...	37.78	210	167
D West Bromwich (Dartmouth Park)(+A) ...	Borough Surveyor ...	8	1	7	543	26.2	35.15	191	155

* Per Cheshire Rivers Board.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951			
		Diam.	Height of		Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more	
		in.	ft.	in.		ft.				in.	in.
STAFFORDSHIRE—(contd.).										
3.—TRENT. Right Bank Tributaries.—(contd.).										
D	Tipton (Toll End Sewage Works) ...	Manager ...	5	1	0	400		35.20	217	160
D	Wednesbury (Ocker Hill) ...	Docks & Inland Waterways	5	1	0	476	26.6	33.40	215	159
D	Walsall (Bescot Sewage Farm) ...	M. E. Habershon, Esq. ...	5	0	11	387	26.9	33.38	198	153
D	Darlaston (Sewage Works) ...	S. E. Hammonds, Esq. ...	8	1	6	393		31.73	189	150
D	Bilston (The Lunt Outfall) ...	Works Manager ...	8	1	0	410	27.3	34.43	188	152
D	WALSALL (Dartmouth Avenue) ...	J. C. W. Day, Esq. ...	5	1	0	455		34.28	208	162
D	Aldridge (Bourne Vale) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	419	25.1	33.48	201	152
D	OAKEN (Manor House) ...	A. J. Parkes, Esq., M.C. ...	5	1	1	409		33.56	197	161
D	Shenstone (Little Hay) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	298		33.72	212	153
d	Bloxwich (Sneyd Reservoir) ...	Docks & Inland Waterways	5	1	0	507	25.5	34.11		
D	Pelsall (Goscote Sewage Works) ...	M. E. Habershon, Esq. ...	5	1	0	435		34.70	209	160
D	Tamworth (Sewage Pumping Stn.) ...	K. Price, Esq. ...	8	0	10	182		31.32	213	160
D	Brownhills (Sandhills) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	407		33.25	196	158
d	Brownhills ...	A. Wikeley, Esq., M.I.Mun.E	5	1	8	492	26.8	32.87	162	139
D	Chasetown ...	National Coal Board	5	0	11	517		36.09	173	150
D	Brewood (Slade Heath Pumping Station) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	340	25.4	35.78	176	159
D	Hammerwich (Cannock Chase Res.) ...	Docks & Inland Waterways	5	1	0	475	25.3	36.59	220	166
D	Whittington (Old Hall) ...	Mr. E. J. L. Lockyer ...	5	1	3	221		31.01	198	154
D	†Cannock (Longford Rd. Sew. W.)(+A) ...	Cannock U.D.C. ...	5	1	0	400		30.53	180	151
d	Cannock (Heath Hayes Sewage Works) ...	Cannock U.D.C. ...	5	1	0	531		33.62		
D	Hednesford (Gentleshaw) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	744		36.84	222	166
D	Brewood (Belvide Reservoir) ...	British Railways ...	5	1	0	367		35.78	237	153
D	Elford ...	W. H. Haile, Esq., C.E. ...	5	1	0	183		29.15	185	145
D	†Hednesford (Scout House) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	702		37.67	217	166
D	Hednesford (Pye Green) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	768		34.96	206	162
D	Lichfield (Hanch Reservoir) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	259	26.9	32.68	204	153
D	Alrewas (C. E. School) ...	Headmaster ...	5	0	6	200		33.14	179	145
D	Rugeley (Slitting Mill) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	299		35.11	199	163
D	Rugeley (Brindley Bank) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	254	26.6	32.66	201	151
D	Milford (Waterworks) ...	G. J. Plant, Esq. ...	5	1	0	246	27.5	34.94	207	158
D	Stafford (Newport Road) ...	Dr. J. C. Burne ...	5	1	0	250		32.66	206	162
D	Stafford (Victoria Pleasure Ground) ...	G. J. Plant, Esq. ...	5	1	6	245	27.2	32.45	197	156
D	Yarlet Hall ...	K. E. Tarling, Esq. ...	5	1	0	405		34.55	204	155
D	Eccleshall (Sugnal Hall) ...	C. E. Lowe, Esq. ...	5	1	0	450		35.68	199	170
D	Standon (Hatton Waterworks) ...	C. V. Brown, Esq., C.E. ...	5	1	0	355	29.0	31.11	198	154
d	Whitmore (Pumping Station) ...	British Railways ...	5	1	3	396		34.08		
4.—TRENT. Left Bank Tributaries. 193 sq. mi.										
D	Hamstall Ridware (No. 1) ...	R. A. Robertson, Esq., C.E. ...	5	1		214	25.2	29.53	204	156
D	Hamstall Ridware (No. 2) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	240		31.31	203	159
d	Mavesyn Ridware Rectory ...	Rev. W. F. Need ...	5	1	0	229		33.12	205	159
D	Burton Reservoir ...	R. A. Robertson, Esq., C.E. ...	5	1	0	309	25.1	29.28	183	137
D	Burton (Shobnall) ...	Bass, Ratcliff & Bretton, Ltd. ...	5	1	0	157	24.6	30.34	213	138
D	Burton-on-Trent (Outwoods) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	310		31.19	188	143
D	Burton (Outwoods Hospital) ...	Medical Officer of Health ...	5	1	0	220		34.15	197	149
D	Blithfield Intake ...	R. A. Robertson, Esq., C.E. ...	5	1	0	273		34.66	216	163
D	Abbots Bromley (Port Fields) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	316	28.2	33.30	195	159
M	Newton (Booth) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	360		35.20		
M	Kingston ...	R. A. Robertson, Esq., C.E. ...	5	1	0	420		35.39		
M	Gratwich (Caverswall Farm) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	381	29.8	37.34		
M	Gratwich (Fradswell) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	450		38.82		
M	Leigh (Middleton Green) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	597	31.8	39.41		
M	Leigh (Lane Farm) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	500		38.74		
M	Fulford Manor ...	R. A. Robertson, Esq., C.E. ...	5	1	0	710		38.23		
D	Draycott (Cresswell Pumping Station) ...	C. V. Brown, Esq., C.E. ...	5	1	0	538		42.69	210	172

† Turf wall round gauge.

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1951		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	t.	in.	in.		
STAFFORDSHIRE—(contd.).									
4.—TRENT. Left Bank Tributaries—(contd.).									
D Longton (The Meir) ...	C. V. Brown, Esq., C.E. ...	5	1	0	617	31·7	41·39	194	166
M Caverswall (Hardwick Farm) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	810	...	39·35	...	...
M Longton (Hulme) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	710	...	40·23	...	...
D Hanley (Sewage Works) ...	W. H. Makepeace, Esq. ...	5	1	0	386	...	36·90	209	163
D Werrington ...	R. A. Robertson, Esq., C.E. ...	5	1	0	860	...	40·79	236	177
D Werrington (Wallmires Pumping Stn.)	Cheadle R.D.C. ...	5	1	0	761	34·6	42·16	235	177
5.—TRENT. Dove. 250 sq. mi.									
D Uttoxeter ...	C. H. Elkes & Sons, Ltd. ...	5	1	0	295	...	37·71	207	164
M Dilhorne (Richmoor Hill) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	919	...	41·75	...	...
D Leek (Wall Grange Pumping Stn.) ...	C. V. Brown, Esq., C.E. ...	5	1	0	456	34·7	43·46	214	178
D Leek (Longsdon) ...	S. K. Peacock, Esq. ...	5	1	0	650	...	43·43	215	181
d Leek (Moorhill) ...	Lt.-Col. G. J. Worthington ...	5	1	0	680	37·2	48·82	228	192
D Leek (Tittesworth) ...	C. V. Brown, Esq., C.E. ...	5	1	0	657	...	48·14	236	183
M Leek (Withens, Upper Hulme) ...	J. A. Gilchrist, Esq. ...	5	1	1	1084	39·0	46·10	...	...
WORCESTERSHIRE. (Area, 732 sq. mi.)									
1.—SEVERN. Right Bank Tributaries. 222 sq. mi.									
D Upton-on-Severn (Berryfield House) ...	Dr. W. V. Naish ...	5	1	0	50	...	33·51	193	154
D Malvern (British Camp Reservoir) ...	Malvern U.D.C. ...	5	1	0	677	28·5	35·07	174	143
D MALVERN (Free Library) ...	Malvern U.D.C. ...	5	1	0	380	27·6	35·74	196	151
D West Malvern ...	Malvern U.D.C. ...	5	1	0	832	28·9	38·27	187	152
D Worcester (Diglis Lock) ...	R. D. Adams, Esq. ...	5	1	0	49	24·7	31·36	192	144
d Shelsley Beauchamp ...	W. Lionel Moore, Esq. ...	5	0	9	132	...	34·64	179	150
D Tenbury (Belle Vue) ...	Miss M. M. Lowe ...	5	1	0	315	26·3	29·89	201	141
D Bewdley (Ribbesford) ...	Camp Superintendent ...	5	1	0	516	...	33·79	216	143
d Bewdley (Winterdyne) ...	Winterdyne Trust ...	5	1	0	175	...	33·86	...	...
2.—SEVERN. Left Bank Tributaries. 200 sq. mi.									
D Kempsey (Kingshurst) ...	Dr. M. Clover ...	5	1	0	54	...	31·70	197	150
D Worcester (Waterworks) ...	City Engineer ...	5	1	0	57	23·2	30·99	198	143
D Worcester (Samuel Southall School) ...	Headmaster ...	5	1	0	147	...	29·50	185	139
D Worcester (Bever Lock) ...	R. D. Adams, Esq. ...	5	1	1	52	24·5	32·76	188	149
D DROITWICH (Sewage Works) ...	Boro. Engineer & Surveyor ...	5	1	0	106	25·4	29·37	187	131
D Bromsgrove (Tardebigge Reservoir) ...	E. Perry, Esq. ...	5	1	0	455	27·5	37·19	207	153
d Bromsgrove (Sewage Disp. Wks.) ...	Bromsgrove U.D.C. ...	5	1	6	280	...	33·49	...	154
D Bromsgrove (Burcot Pumping Stn.) ...	F. H. Bullock, Esq. ...	5	1	0	432	...	35·62	193	154
D Barnt Green (Linthurst Road) ...	Miss M. Gibbins ...	5	1	0	650	...	38·64	199	153
D Stourport (Lincombe Lock) ...	R. D. Adams, Esq. ...	5	1	0	62	25·6	31·31	179	146
D Bromsgrove (Washing Stocks P.S.) ...	F. H. Bullock, Esq. ...	5	1	0	366	...	34·25	196	150
D Bewdley (C.E. School) ...	J. Bates, Esq. ...	8	1	0	70	26·4	34·73	199	152
d Kidderminster (Pumping Station) ...	Sanitary Inspector ...	5	1	0	178	...	32·24	...	...
d Kidderminster (St. John's Avenue) ...	H. Hodgkinson, Esq. ...	5	1	0	250	...	31·05	...	...
D Kidderminster (Park Hall) ...	K. H. Wilson, Esq. ...	5	1	0	200	25·7	32·51	196	149
D Kidderminster (Wolverley Road) ...	R. D. M. Evers, Esq. ...	5	1	3	245	...	32·43	220	153
D Bewdley (Elan Aqueduct) ...	C. A. Risbridge, Esq., C.E. ...	5	1	0	91	26·7	34·40	196	170
D Clent Hall ...	Miss H. M. Wilson ...	5	1	0	600	...	36·36	225	159
D Halesowen (Romsley) ...	R. A. Robertson, Esq., C.E. ...	5	1	0	616	30·6	37·87	191	166
D Halesowen (Hayley Green) ...	C. Roberts, Esq. ...	5	1	0	500	...	35·73	203	158
D Pedmore (Beckman Road) ...	A Porter, Esq., B.Sc. ...	5	1	0	415	26·5	36·05	205	162
D Wollaston (Wood Street) ...	H. Little, Esq. ...	5	1	0	275	...	32·33	192	150

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1951		
		Diam.	Height of				Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
			Rim above Ground	Ground above Sea Level					
WORCESTERSHIRE—(contd.).									
		in.	ft.	in.	ft.	in.	in.		
2. SEVERN. Left Bank Tributaries—(contd.).									
D Wollaston (Coalbourn Pumping Stn.)	J. S. Brown, Esq., M.I. Mun. E.	5	1	0	225	...	32·53	204	157
d Dudley (Blue Coat Sec. Mod. School)	S. Wright, Esq. ...	5	1	3	660	...	36·50	...	...
3.—SEVERN. Upper Avon. 251 sq. mi.									
D Bredon (Bredon House) ...	Col. M. F. Grant ...	5	1	1	120	24·5	31·76	207	156
d Broadway (Farncombe) ...	G. Pemberton, Esq. ...	5	0	5	750	...	38·11	...	162
D DEFFORD Airfield ...	(+A) Meteorological Office ...	5	1	0	56	...	29·93	196	133
D Evesham (Bengeworth) ...	Ross Bros., Ltd. ...	8	1	0	128	22·9	29·33	181	139
D Evesham (Bretforton Manor) ...	H. Ashwin, Esq. ...	5	1	0	130	...	33·25	206	151
d Evesham (Sewage Works) ...	H. Parks, Esq. ...	5	1	9	85	22·6	30·31	...	...
D Evesham (High Street) ...	N. A. Field, Esq. ...	5	1	2	135	...	29·11	191	152
d Evesham (Port Street) ...	Messrs. Craven & Co. ...	5	1	0	72	...	30·57	...	...
D Pershore (Three Springs) ...	C. A. Mumford, Esq. ...	5	4	6	72	23·4	31·03	182	143
D Crowle (Manor House) ...	Miss C. Moore ...	5	1	0	116	23·1	30·11	182	143
Alcester (Cookhill) ...	T. Barber, Esq. ...	5	1	0	400	24·5	35·55	...	...
D Redditch (Hewell Gardens) ...	Mr. F. Molyneux ...	5	1	0	469	27·7	36·82	208	156
D Bromsgrove (Brockhill Pumping Stn.)	F. H. Bullock, Esq. ...	5	1	0	439	...	36·24	209	152
D Bromsgrove (Lower Bittall Res.)	E. Perry, Esq. ...	5	1	0	457	28·9	38·05	201	156
4.—THAMES. Windrush & c. 3 sq. mi.									
5.—TRENT. Right Bank Tributaries. 56 sq. mi.									
D Oldbury (Barnford Hill Park) ...	Borough Surveyor ...	5	0	9	607	...	38·48	211	160
D Dudley (Tipton Road) ...	Borough Engineer ...	8	1	0	490	...	34·61	214	155
D Dudley (Shavers End) No. 1 ...	R. A. Robertson, Esq., C.E.	5	1	0	745	...	35·40	160	163
WARWICKSHIRE. (Area, 944 sq. mi.)									
1.—SEVERN. Upper Avon. 640 sq. mi.									
d Long Compton (Weston Park) ...	Mrs. H. B. Warriner ...	8	1	0	510	26·5	33·26	...	172
D SHIPSTON-ON-STOUR (Compton Scorp.)	A. W. Beecham, Esq. ...	5	1	0	364	24·7	33·63	202	152
D LUDDINGTON ...	Farm Director ...	5	1	0	150	...	30·77	197	148
d STRATFORD-ON-AVON (Drayton Manor)	Director, Grassland Imp. Stn.	5	1	0	160	23·7	30·06	...	145
D Stratford-on-Avon (Milcote) ...	P. C. Smart, Esq., C.E. ...	5	1	6	122	23·6	32·10	192	154
D Stratford-on-Avon (Thurlaston) ...	Miss M. A. Everard ...	5	1	0	135	24·2	31·44	198	152
D Stratford-on-Avon (Wellesbourne Gv.)	G. A. Barton, Esq., F.R. Met. S.	5	1	0	131	23·9	32·42	224	144
D Temple Grafton Court ...	T. L. Lonsdale, Esq. ...	8	1	3	270	24·8	33·16	198	169
D WELLESBOURNE ...	Director (Nat. Veg. Res. Stn.)	5	1	0	153	...	30·40	195	141
d Alcester (Surveyor's Office) ...	Alcester R.D.C. ...	8	1	6	140	24·5	34·14	...	143
D Alcester (Arrowside) ...	J. B. Shewell, Esq. ...	5	1	4	148	...	32·75	191	142
D Ashorne (Victoria Cottage) ...	G. T. Osborn, Esq. ...	5	1	0	160	24·7	31·44	187	148
D Stratford-on-Avon (Snitterfield)	P. C. Smart, Esq., C.E. ...	5	1	6	274	25·2	33·02	190	151
D Alcester (The Pleck) ...	Miss C. E. Chapman ...	5	0	10	250	...	32·44	189	149
D Southam (Banbury Road) ...	C. W. Arkell, Esq. ...	5	1	0	250	...	30·52	194	147
D Studley College ...	Headmistress ...	5	0	9	256	...	30·57	191	143
D Warwick (Mill Street) ...	Mr. H. F. Smale ...	5	1	0	197	25·3	31·55	200	155
D Warwick (St. Nicholas Park) ...	R. Wormell, Esq., C.E. ...	5	1	0	155	...	32·51	192	154
D LEAMINGTON SPA (Pump Rm. Gdns.)	Medical Officer of Health ...	8	1	0	163	24·0	30·80	183	138
d Warwick (Hatton) ...	Docks & Inland Waterways	5	1	0	400	26·7	35·55	...	...
D Leamington Spa (Woodland Grange)	H. M. Blenkinsop, Esq. ...	8	1	0	200	...	33·70	194	154
D Dunchurch Hall ...	C. L. D. Fawcus, Esq. ...	5	1	1	400	24·6	31·78	193	149
D Kenilworth (U.D.C. Offices) ...	Surveyor ...	5	1	6	294	26·1	35·61	194	152
D Stretton-on-Dunsmore (Manor House)	L. Lister-Kaye, Esq. ...	5	1	0	280	24·9	34·11	215	156
D Rugby (Bilton Grange) ...	Mr. L. W. Bass ...	5	1	0	400	...	32·14	200	154
D Rugby (Clifton Road) ...	R. H. W. Flower, Esq. ...	5	1	0	390	...	31·39	211	145
D Rugby (Avon Waterworks) ...	Borough Engineer ...	5	0	9	285	...	32·55	200	156
D Ryton-on-Dunsmore (Ryton House) ...	Mrs. M. L. Browett ...	5	1	2	260	26·0	34·70	195	163

DIVISION VI—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
WARWICKSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
1.—SEVERN. Upper Avon—(contd.).									
D Coventry (Stoke) ...	E. H. Hodgkins, Esq. ...	5	1	0	267	...	33·51	181	149
D COVENTRY (City Hospital) ...	Medical Officer of Health ...	8	1	0	241	26·0	32·50	186	146
D Coventry (Belvedere Road) ...	H. G. Ellinger, Esq. ...	5	1	0	362	...	34·64	214	157
D Nuneaton (Bedworth Waterworks) ...	Waterworks Manager ...	5	1	1	346	27·1	33·89	200	157
d Astley Vicarage ...	Rev. I. F. H. Carr-Gregg ...	5	1	0	440	27·8	35·27	...	...
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. ...	5	1	8	380	...	33·70	201	159
d Hampton in Arden (Eastcote) ...	J. H. Aston, Esq. ...	5	1	2	500	...	34·61	...	141
D Highters Heath Reservoir ...	C. A. Risbridger, Esq., C.E. ...	5	1	0	517	...	36·69	190	164
D Halesowen (Frankley) ...	C. A. Risbridger, Esq., C.E. ...	5	0	10	571	30·7	38·25	215	164
D Northfield (Bartley Res. No. 1) ...	C. A. Risbridger, Esq., C.E. ...	5	1	0	600	...	40·48	210	163
D Moseley (Cotton Lane) ...	U. A. Baker, Esq. ...	5	1	0	550	...	37·48	217	165
D Bartley (Bromwich Wood) ...	C. A. Risbridger, Esq., C.E. ...	5	1	0	611	...	39·95	210	165
D BIRMINGHAM (SPARKHILL) ...	D. H. Owen, Esq. ...	5	1	0	425	28·1	35·35	204	159
D ELMDON (Birmingham Airport) (+A)	Meteorological Office ...	5	0	11	324	...	32·98	196	149
D Edgbaston (King Edwards Sch.) ...	Meteorological Observer ...	5	1	0	450	...	35·43	203	155
D BIRMINGHAM (Edgbaston Observatory)	Birmingham Midland Trust ...	8	1	0	535	26·5	38·93	199	161
D Birmingham (Rotton Park) ...	Docks & Inland Waterways ...	5	1	0	477	...	36·03	193	150
D Birmingham (Stechford) ...	Birmingham Drainage Bd. ...	5	1	3	302	...	34·04	205	159
D Birmingham (HANDSWORTH) ...	D. M. Evans, Esq. ...	5	1	0	469	...	36·06	204	158
D Birmingham (Sattley Sewage Works) ...	Birmingham Drainage Bd. ...	5	1	0	292	...	34·31	187	155
D Nuneaton (The Quarry) ...	Miss K. E. Smith ...	5	1	0	321	...	32·53	189	160
D Birmingham (Handsworth Park) (+A)	City Engineer ...	8	1	4	424	...	36·24	203	161
D Handsworth (Howard Road) ...	R. Westwood, Esq. ...	5	0	9	368	...	38·86	207	154
D Whitacre (Birmingham W.W.) ...	C. A. Risbridger, Esq., C.E. ...	5	1	0	269	26·0	32·16	216	153
D Whitacre (Station Road) ...	T. C. Lycett, Esq. ...	5	1	0	233	...	31·25	184	142
D Birmingham (Erdington) ...	C. A. Risbridger, Esq., C.E. ...	5	1	0	442	...	33·54	209	154
D B'gham (Erdington, Spring La.) (+A)	City Engineer ...	8	1	0	386	...	34·04	200	158
D Minworth Greaves ...	Birmingham Drainage Bd. ...	5	1	0	258	24·3	31·01	201	151
D Birmingham (Walsall Road) ...	P. J. Harris, Esq., B.Sc. ...	5	1	0	450	...	34·84	211	156
D Nuneaton (Pumping Station) ...	G. Ashton, Esq., C.E. ...	5	1	3	269	...	33·02	211	156
d Sutton Coldfield (Maney) ...	J. S. Matthewman, Esq. ...	5	0	9	400	...	33·74	(211)	(154)
D Perry Barr Reservoir ...	C. A. Risbridger, Esq., C.E. ...	5	1	0	515	...	34·57	207	152
D Sutton Coldfield (The Park) ...	Borough Surveyor ...	5	1	0	370	26·4	33·73	197	160

DIVISION VII—NORTH MIDLAND COUNTIES

LEICESTERSHIRE. (Area, 824 sq. mi.)

1.—SEVERN. Upper Avon. 41 sq. mi.									
D South Kilworth (Stanford Reservoir)...	Borough Engineer ...	5	0	8	365	...	32·74	211	160
D Welford Reservoir ...	Docks & Inland Waterways ...	5	2	0	425	25·1	31·67	239	155
d North Kilworth (Waterworks) ...	Market Harborough U.D.C. ...	5	1	0	490	...	31·97	...	...
d Lutterworth (Waterworks) ...	Surveyor ...	8	1	9	365	25·9	34·03	...	159
2.—WELLAND. 96 sq. mi.									
d Market Harborough (Nithsdale Ave.)	Mrs. Heggs ...	5	1	2	230	...	32·02	...	...
d Market Harborough (Coventry Road)	G. C. Wooldridge, Esq. ...	5	1	0	270	...	30·17	...	...
D Market Harborough (Grammar Sch.)	Headmaster ...	5	1	2	350	...	31·31	210	144
D Kibworth Harcourt ...	Major A. E. Briggs ...	8	1	2	408	...	32·59	194	163
D Caldecott (Eye Brook Reservoir) ...	Corby & District Water Co. ...	8	1	3	180	23·8	28·73	190	150

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
LEICESTERSHIRE—(contd.).									
3.—WITHAM. 7 sq. mi.									
4.—TRENT. Right Bank Tributaries. 680 sq. mi.									
D Frolesworth	W. P. Widdowson, Esq. ...	5	1	0	370	25·3	30·65	219	151
D Hinckley (Bowling Green Road) ...	S. Webster, Esq. ...	5	1	0	400	26·2	32·00	209	165
D Wistow Hall Gardens	Lord Cotteslow, C.B. ...	5	1	0	309	23·6	33·29	212	165
D Countesthorpe (Wigston Sewage Fm.)	Surveyor	8	0	9	257	22·8	30·13	215	153
D Leicester (London Road)	L. Herbert, Esq.	5	1	0	300	...	30·96	188	156
D Leicester (Stoughton Drive North)	M. Murray, Esq.	5	1	0	240	...	29·72	199	142
D *Leicester (De Montfort Square)	City Engineer	5	1	0	212	...	28·11	199	140
D Leicester (Woodville Road)	E. A. Bonser, Esq.	5	1	0	200	...	29·01	207	146
D †LEICESTER (Towers Hospital)	Management Committee ...	5	1	0	266	24·2	30·24	195	160
D Leicester (Gilroes Cemetery)	City Engineer	5	1	0	294	...	29·93	182	150
D Osbaston Hall	Sir Thomas Cope, Bart. ...	5	1	0	390	...	32·51	216	154
d Lowesby Hall Gardens	Head Gardener	5	0	9	517	26·3	36·63	...	155
D Thornton Reservoir	Leicester Waterworks ...	8	1	2	370	26·2	30·45	188	149
D Cropston Reservoir	Leicester Waterworks ...	8	1	0	245	27·2	31·65	220	153
d Barkby Hall	Victor R. Pochin, Esq. ...	5	1	0	227	24·5	28·01	...	...
D Ulverscroft (Chitterman House)	C. Booth, Esq.	5	0	11	666	...	33·87	219	159
D Netherseal (Chilcote)	R. A. Robertson, Esq., C.E.	5	1	0	240	...	29·31	197	156
D Swithland Reservoir	Leicester Waterworks ...	8	1	0	171	26·0	32·99	209	162
D Asfordby Hill (Ironworks)	Stanton Ironworks Co. Ltd.	5	1	1	324	23·0	28·56	200	142
D Melton Mowbray (White Lodge) ...	H. K. Barker, Esq.	5	1	0	237	22·9	29·67	189	141
d Charnwood Forest (Blackbrook Res.)	W. Granger, Esq., C.E. ...	5	1	0	379	26·4	33·45	...	...
D Loughborough (Nanpantan Res.) (+A)	W. Granger, Esq., C.E. ...	5	1	0	269	26·1	32·17	188	147
D Loughborough (Fairmount Drive) ...	B. N. Wale, Esq., B.Sc. ...	5	1	0	210	...	29·52	193	147
D Loughborough (The Widenings) ...	Mrs. Adeline Butler ...	5	1	0	197	24·5	32·82	223	157
D Loughborough (Sewage Farm)	W. Granger, Esq., C.E. ...	8	1	0	135	23·1	31·75	176	147
D Prestwold Hall Gardens	Mr. L. Brightwell	8	1	0	209	24·7	35·84	194	152
D Scalford	Melton Mowbray U.D.C. ...	8	0	10	343	...	32·75	...	...
D Waltham-on-the-Wolds	V. E. Higgins, Esq.	5	1	0	570	...	31·36	203	149
RUTLAND. Area, 152 sq. mi.)									
1.—WELLAND. 125 sq. mi.									
D Ketton	Mrs. K. Burroughes	5	1	0	106	...	31·78	215	150
d Oakham School	R. G. Henton, Esq.	5	1	0	350	...	29·65	...	...
D COTTESMORE Airfield (+A)	Meteorological Office ...	5	1	0	440	...	31·67	199	139
2.—WITHAM. 5 sq. mi.									
3.—TRENT. Right Bank Tributaries 22 sq. mi.									
LINCOLNSHIRE. (Area, 2,645 sq. mi.)									
1.—NENE. 99 sq. mi.									
D Tydd (North Level Sluice)	Mr. S. Watson	5	1	0	10	23·3	29·69	225	138
D Sutton St. James (Clifton's Bridge)	S. Holland Drainage Board	5	1	0	8	...	24·74	166	141
D Sutton Bridge	S. Holland Drainage Board	5	1	0	21	...	27·76	194	149
D Long Sutton (White House Farm) ...	S. Holland Drainage Board	5	1	0	10	...	25·21	...	...
D Spalding (Weston St. Mary)	S. Holland Drainage Board	5	1	0	10	...	23·85	168	140

* Gauge oversheltered.

† Formerly called City Mental Hospital.

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
LINCOLNSHIRE—(contd.).									
2.—WELLAND. 341 sq. mi.									
D Market Deeping (Wilsthorpe)	... F. J. Smith, Esq., M.B.E., C.E.	8	1	0	51	20.9	26.24	176	131
d Barholm	... W. Thurlby, Esq.	5	1	2	45	...	28.45	...	...
D Deeping St. Nicolas	... T. R. Pick, Ltd.	5	0	9	13	...	26.40	169	139
M Careby (School House)	... R. Barbary, Esq.	5	1	0	150	...	28.03	...	...
D Spalding (Pode Hole)	... S. Holland Drainage Board.	8	1	3	12	23.5	27.37	230	138
D Spalding (Grammar School)	... Headmaster	5	1	0	15	...	25.18	166	126
D Bourne (Guthram)	... L. I. Clark, Esq., C.E.	5	1	0	3	21.1	27.13	178	132
D Holbeach (Manor Farm)	... F. H. Bowser, Esq.	5	2	1	10	...	25.77	179	138
D Holbeach (Willow Tree Farm)	... F. H. Bowser, Esq.	5	2	1	10	...	25.67	181	136
3.—WITHAM & C. 1,085 sq. mi.									
d Denton	... Culverthorpe Dairy Farms	5	1	6	300	...	30.80	...	...
d Billingborough	... N. Hodgkinson, Esq.	5	0	10	50	...	31.37	...	...
D Grantham (Saltersford Pump Stn.)	... Manager	5	0	6	188	24.1	31.06	199	147
D Kirton	... W. Dennis & Sons, Ltd.	5	1	0	12	...	27.61	204	139
D Wyberton (Tytton Hall)	... L. I. Clark, Esq., C.E.	5	1	0	10	...	27.87	196	138
D Wyberton (Slippery Gowt Farm)	... J. T. Cannon, Esq.	5	1	0	10	...	26.62	187	134
D Boston (Black Sluice, Skirbeck)	... F. H. Tomes, Esq.	8	1	3	11	22.8	27.92	187	139
D Boston (Cooks Lock)	... L. I. Clark, Esq., C.E.	5	1	7	11	...	27.30	199	133
D Boston (Church Road Pump. Stn.)	(+A) Borough Surveyor	5	1	0	8	...	27.05	170	137
D BOSTON (Freiston Road)	... N. H. Middlebrook, Esq.	5	1	0	16	...	27.63	192	139
D Boston (Grand Sluice)	... F. H. Tomes, Esq.	8	0	9	17	22.9	25.90	189	136
D Boston (Amber Hill)	... G. Graves, Esq.	5	1	0	18	...	27.38	174	125
D Boston (Sibsey Road)	... A. O. Scrivener, Esq.	8	1	6	9	...	24.74	174	132
D Boston (Cowbridge)	... G. E. Buchner, Esq., C.E.	5	1	0	9	...	24.89	172	128
d Old Leake (Leverton)	... G. E. Buchner, Esq., C.E.	5	1	3	10	...	25.17	...	...
D CRANWELL Airfield	(+A) Meteorological Office	8	1	0	203	23.2	29.26	186	128
D Carrington (Hakerley Bridge Farm)	... T. R. Pick, Ltd.	5	1	0	12	...	25.29	153	126
d Ruskington	... B. E. Brighton, Esq.	5	1	7	30	...	26.61	...	...
d Sibsey (Ivydene)	... J. T. Allewell, Esq.	5	1	0	20	...	26.87	...	...
D Wildmore	... G. E. Buchner, Esq., C.E.	5	1	0	12	...	26.19	191	125
d New Leake (Lade Bank Engine)	... G. E. Buchner, Esq., C.E.	5	1	3	13	22.6	25.69	...	...
D Carrington Grange	... J. Ward, Esq.	5	4	0	15	23.4	32.12	184	152
d Wellingore (The Gardens)	... A. Calder, Esq.	5	2	0	240	...	28.55	...	...
D Carlton-le-Moorland	... Mrs. J. Brocklebank	5	1	2	50	23.3	29.92	171	133
D Norton Disney (The Vicarage)	... Rev. R. K. Roper	5	1	0	41	...	28.50	166	134
D East Kirkby Manor	... Capt. R. S. Fieldsend	5	1	0	35	23.8	29.32	202	135
D Revesby Reservoir	... D. H. Ball, Esq.	5	2	0	124	24.5	29.32	176	134
D Woodhall Spa (Waterworks)	... Clerk to the Council	5	1	6	45	...	27.66	169	139
D WADDINGTON Airfield	... Meteorological Office	5	1	0	233	...	28.47	182	130
D Potterhanworth (Old Hall)	... T. H. N. Battle, Esq.	5	0	10	50	...	29.74	197	135
D Horncastle	... F. J. Harvey, Esq.	5	1	0	120	24.8	29.62	205	135
D Lincoln (Swallowbeck)	... W. R. Pennell, Esq.	8	1	0	34	22.9	28.70	181	135
D Bardney (Sugar Factory)	... British Sugar Corp., Ltd.	5	1	0	17	...	25.68	165	130
D Lincoln (Skellingthorpe Hall)	... Mrs. Bergne-Coupland	5	1	0	40	23.1	28.22	177	135
D Lincoln (Pyewipe Pumping Stn.)	... J. Barnatt, Esq., C.E.	5	1	0	16	...	28.17	190	134
D LINCOLN (West Common)	... City Engineer & Surveyor	5	1	0	25	...	28.11	194	135
D Lincoln (Burton Road)	... G. W. Valley, Esq.	5	1	6	250	...	31.49	197	132
D Lincoln (Saxilby)	... J. Barnatt, Esq., C.E.	5	1	0	25	...	28.75	208	136
D Sudbrooke (The Manor House)	... Miss A. M. Scorer	5	1	0	55	...	26.32	183	128
D Dunholme (Field Station)	... Dr. R. Hull	5	0	9	100	...	28.71	177	127
D Hackthorn Hall	... Lt.-Col. W. Cracroft-Amcotts	5	4	10	102	23.2	30.89	205	140
4.—GREAT EAU & C. 443 sq. mi.									
d Eastville	... G. E. Buchner, Esq., C.E.	5	1	3	3	...	26.65	...	...
D Firsby	... G. E. Buchner, Esq., C.E.	5	1	0	26	...	27.25	187	131

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Ground above Sea Level					
		in.	ft.	in.	ft.	in.	in.		
LINCOLNSHIRE—(contd.).									
4.—GREAT EAU & C.—(contd.).									
d SKEGNESS (Marine Gardens) ...	Surveyor ...	8	1	0	15	23.3	28.18	...	...
d Hagworthingham (Manor House) ...	G. W. Clark, Esq. ...	5	1	0	200	27.2	29.87	178	135
d Spilsby (Fordington Waterworks) ...	D. H. Ball, Esq. ...	5	1	6	180	...	30.03	...	128
d Wold Newton Manor ...	W. Maurice Wright, Esq. ...	5	1	6	230	27.2	30.53	187	136
d Grainthorpe (County School)...	Headmaster ...	5	1	0	9	...	27.85	191	120
5.—HUMBER. Right Bank Tributaries. 428 sq. mi.									
d Glentham (Bishopbridge) ...	A. R. Haynes, Esq....	5	1	1	20	...	25.90	162	121
d Brigg (Scawby Hall) ...	Col. O. S. Nelthorpe, C.B.E.	5	1	0	40	...	29.24	184	113
d Brigg (Sugar Factory) ...	British Sugar Corpn. Ltd. ...	5	1	0	134	...	25.25	175	112
d Brigg (Wrawby Road) ...	A. R. Haynes, Esq....	5	1	1	22	24.8	25.41	163	109
d Cleethorpes (Outfall Pumping Stn.) ...	Engineer and Surveyor ...	8	1	0	25	...	26.66	180	123
d CLEETHORPES (Kings Parade) ...	Engineer & Surveyor ...	5	1	0	23	24.0	27.02	174	118
d Grimsby (Little Coates Pumping Stn.)	Engineer & Manager ...	5	1	0	14	...	27.78	184	119
d Brocklesby Park ...	Head Gardener ...	5	1	9	50	27.0	28.40	168	125
d HABROUGH (Home Farm) ...	R. J. Blakeborough, Esq. ...	5	1	0	50	...	27.25	164	113
d Immingham (Compressor Station) ...	Grimsby R.D.C. ...	5	1	1	13	...	25.04	167	104
d Normanby ...	Major E. C. R. Sheffield ...	5	1	0	185	...	28.16	184	119
6.—TRENT. Right Bank Tributaries. 172 sq. mi.									
d Woolsthorpe ...	Docks & Inland Waterways	5	1	3	182	23.4	28.93	...	139
d Torksey (Pumping Station) ...	R. Spencer, Esq. ...	8	1	6	16	23.2	28.67	197	133
d Gate Burton Hall ...	Mr. J. Reader ...	5	4	0	97	23.1	29.23	159	123
d Scunthorpe (Brumby Sec. Mod. Sch.)	Headmaster ...	5	2	0	100	...	26.96	...	...
7.—TRENT. Left Bank Tributaries. 77 sq. mi.									
d Wroot (S. Level Pumping Station) ...	W. H. Haile, Esq., C.E. ...	5	1	6	7	...	25.84	172	120
d West Butterwick (Croft House) ...	West Butterwick Drain. Bd.	5	...	...	20	...	27.14	188	122
d Crowle (N. Level Pumping Station) ...	W. H. Haile, Esq., C.E. ...	5	2	0	10	22.0	27.25	...	...
NOTTINGHAMSHIRE. (Area, 843 sq. mi.)									
1.—WITHAM. 10 sq. mi.									
2.—TRENT. Right Bank Tributaries. 218 sq. mi.									
d SUTTON BONNINGTON ...	Univ. of Nottingham, Sc. of Ag.	5	1	0	157	21.7	30.21	203	141
d Wysall (Wyn Hill) ...	J. D. Walker, Esq. ...	5	1	0	283	...	29.98	200	138
d Nottingham (Wilford Hill Res.) ...	B. W. Davies, Esq., C.E. ...	8	1	0	295	23.1	28.09	...	...
d West Bridgford ...	Engineer & Surveyor ...	5	1	0	80	...	29.47	...	...
d Newark (The Friary) ...	J. H. Clarke, Esq., C.E. ...	5	2	0	48	23.4	28.60	192	135
d Newark (Sewage Works) ...	J. H. Clarke, Esq., C.E. ...	5	1	0	33	...	25.99	174	125
d Kelham (Sugar Factory) ...	British Sugar Corpn. Ltd.	5	1	0	40	...	25.36	144	118
3.—TRENT. Derwent. 2 sq. mi.									
4.—TRENT. Erewash. 42 sq. mi.									
d Nottingham (Strelley) ...	Miss Edge ...	8	1	0	396	26.2	29.74	204	148
d Nottingham (STRELLEY Hall) ...	Miss Edge ...	5	1	0	378	...	29.14	201	146
d Eastwood (Waterworks) ...	B. W. Davies, Esq., C.E. ...	8	1	3	243	25.9	32.94	197	143
d Eastwood Hall ...	National Coal Board ...	5	0	6	218	...	32.89	...	...
d Eastwood (Moorgreen (Reservoir) ...	Docks & Inland Waterways	5	2	0	301	27.4	32.87	...	...
5.—TRENT. Left Bank Tributaries. 569 sq. mi.									
d Beeston (Council Depot) ...	G. C. Hardy, Esq. ...	8	1	7	97	24.5	(28.67)	...	145
d Bramcote Reservoir ...	B. W. Davies, Esq., C.E. ...	8	1	0	327	...	28.64	193	147
d Nottingham (Sneinton P.S.) ... (+A)	City Engineer & Surveyor ...	8	1	0	83	22.5	28.23	181	140

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1951		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
NOTTINGHAMSHIRE—(contd.).									
5.—TRENT. Left Bank Tributaries.—(contd.).									
D *NOTTINGHAM (The Castle) ...	City Engineer & Surveyor ...	8	1	0	192	23·6	28·50	192	142
d Nottingham (Colwick Sugar Factory) ...	British Sugar Corpn. Ltd.	5	0	9	70	...	28·67	...	...
D Nottingham (Colwick Hill Res.) ...	B. W. Davies, Esq., C.E. ...	8	1	0	314	...	28·44	192	146
D Nottingham (Stoke Bardolph) ...	City Engineer & Surveyor...	8	1	0	66	22·6	29·03	188	142
D Nottingham (Aspley) ...	G. Cawkwell, Esq. ...	5	1	0	172	...	29·61	183	144
D Nottingham (Basford Waterworks) ...	B. W. Davies, Esq., C.E. ...	8	1	0	168	24·0	31·17	208	145
D Burton Joyce (Waterworks) ...	B. W. Davies, Esq., C.E. ...	8	1	0	65	25·2	29·60	200	145
D Nottingham (Woodthorpe) ...	A. B. Tinn, Esq., F.R.Met.S.	5	1	0	225	24·0	31·11	216	148
D Bulwell (Bestwood Waterworks) ...	B. W. Davies, Esq., C.E. ...	8	1	0	313	...	29·37	193	143
d Daybrook (Red Hill Reservoir) ...	B. W. Davies, Esq., C.E. ...	8	1	0	404	25·7	30·18	219	143
d Daybrook (Ramsdale Hill Res.) ...	B. W. Davies, Esq., C.E. ...	8	1	0	504	28·1	32·37	216	152
D Bulwell Hall Park ...	City Engineer & Surveyor...	8	1	0	252	27·3	32·34	201	155
D WATNALL ...	Meteorological Office ...	5	1	0	366	...	31·24	188	144
D Papplewick (Waterworks) ...	B. W. Davies, Esq., C.E. ...	8	1	0	317	26·5	32·49	199	145
D Southwell (The Nurseries) ...	H. Merryweather & Sons Ltd.	5	1	0	125	...	29·40	196	140
D Sutton-in-Ashfield (Rushley P.S.) ...	P. W. Berridge, Esq. ...	5	1	0	465	27·1	35·88	181	148
D Sutton-in-Ashfield (Sewage Wks.) (+A) ...	A. G. Dunks, Esq. ...	5	1	0	456	28·9	32·99	200	142
D Mansfield (Rainworth W.W.) ...	Engineer & Manager ...	5	0	9	349	26·8	34·14	198	143
D Bilsthorpe (Rufford Pumping Station) ...	B. W. Davies, Esq., C.E. ...	8	1	0	277	...	30·41	205	142
D MANSFIELD (Carr Bank) ...	Borough Surveyor ...	8	0	10	357	27·9	32·44	181	131
D Clipstone (Waterworks) ...	Engineer & Manager ...	8	1	0	228	24·9	28·90	189	131
D Ollerton (Boughton Waterworks) ...	B. W. Davies, Esq., C.E. ...	8	1	0	141	24·0	27·17	169	129
D Budby ...	H. McAdoo, Esq. ...	5	1	0	160	...	27·53	177	125
d WARSOB (GLEADTHORPE E.H. FARM)...	Director ...	5	1	0	150	...	28·87	...	121
Tuxford (Lound Hall) ...	Mr. C. W. Holliday ...	5	1	3	50	...	26·39	...	...
Welbeck Abbey ...	The Duke of Portland ...	8	1	0	196	...	28·16	206	133
D Elkesley (Pumping Station) ...	Lincoln Waterworks ...	5	1	0	120	23·2	26·08	...	128
D Worksop (Bracebridge Sewage Wks.) ...	C. O. Allsopp, Esq. ...	8	1	0	97	23·9	27·19	186	132
d Worksop (Osberton Gardens)...	Capt. R. H. Walker ...	5	1	6	85	22·8	29·31	...	132
D Worksop (Sunnyside Waterworks) ...	C. O. Allsopp, Esq. ...	8	1	0	245	...	27·59	193	126
D Retford (Sir Frederick Milner School) ...	Headmaster ...	8	4	6	50	...	26·04	150	115
D Retford (Sewage Disposal Works) ...	Borough Surveyor ...	5	1	0	74	...	26·12	155	117
D Retford (Babworth Hall) ...	Maj.-Gen. Sir John Whitaker	5	1	3	98	22·9	24·21	181	129
D Worksop (Wigthorpe Hill) ...	R. C. P. Ramsden, Esq. ...	5	1	0	100	23·3	27·14	195	128
D Gringley Carr (Pumping Station) ...	G. H. Simmons, Esq. ...	5	1	0	21	...	25·98	187	116
6.—OUSE. Don. 2 sq. mi.									
DERBYSHIRE. (Area, 1,017 sq. mi.)									
1.—MERSEY. UPPER. 93 sq. mi.									
M §Buxton (Goyts Moss) ...	Stockport Corporation W.W.	5	1	0	1410	51·1	62·90	...	...
M Buxton (Cat and Fiddle Inn) ...	Stockport Corporation W.W.	5	1	0	1610	53·7	66·00	...	...
M §Buxton (Berry Clough) ...	Stockport Corporation W.W.	5	1	0	1550	...	66·75	...	...
D §Buxton (Goytsclough) ...	Stockport Corporation W.W.	5	1	0	1175	52·8	68·53	235	204
D §Buxton (Goytshead) ...	Stockport Corporation W.W.	5	1	0	925	49·1	63·48	232	198
M §Buxton (Longhill) ...	Stockport Corporation W.W.	5	1	0	1390	48·8	65·22	...	...
M Buxton (Embridge) ...	Stockport Corporation W.W.	5	1	0	1430	48·9	63·11	...	...
D §Fernilee (Upper Hall) ...	Stockport Corporation W.W.	5	1	0	940	44·9	55·69	228	191
D §Taxal (Oldfield) ...	Stockport Corporation W.W.	5	1	0	820	45·4	57·33	226	187
M §Taxal (Blackhillgate) ...	Stockport Corporation W.W.	5	1	0	1190	43·5	52·93	...	...
D Chapel-en-le-Frith (Ford Hall) ...	F. E. G. Bagshawe, Esq. ...	5	0	5	900	...	50·08	224	184
D Chapel-en-le-Frith (Chinley) ...	J. A. Simpson, Esq. ...	5	1	0	850	...	45·70	225	176
M §Hayfield (Dimpus Clough) ...	Stockport Corporation W.W.	5	1	0	1250	46·9	52·00	...	...

* Exposure unorthodox in certain directions.

§ Turf wall round gauge.

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
DERBYSHIRE—(contd.).									
1.—MERSEY. Upper.—(contd.)									
M §Hayfield (Upper Sett) ...	Stockport Corporation W.W.	5	1	0	1420	49.5	55.69	...	...
M §Hayfield (Oaken Clough) ...	Stockport Corporation W.W.	5	1	0	1250	43.9	47.68	...	...
M §Hayfield (Tunstead Clough) ...	Stockport Corporation W.W.	5	1	0	1125	43.3	51.52	...	...
M §Hayfield (Kinder Source) ...	Stockport Corporation W.W.	5	1	0	2050	60.5	69.20	...	...
D §Hayfield (Kinder Filters) ... (+A)	Stockport Corporation W.W.	5	1	0	800	45.5	51.36	222	191
M §Hayfield (Upper Moor) ...	Stockport Corporation W.W.	5	1	0	1280	49.0	56.95	...	...
D §Hayfield (Hollin Head) ...	Stockport Corporation W.W.	5	1	0	950	49.8	55.41	221	196
M §Hayfield (Middle Moor) ...	Stockport Corporation W.W.	5	1	0	1170	45.7	51.15	...	...
M §Hayfield (Leygatehead Moor) ...	Stockport Corporation W.W.	5	1	0	1530	46.3	52.79	...	...
M §Hayfield (Mill Hill) ...	Stockport Corporation W.W.	5	1	0	1625	47.0	54.95	...	...
D Glossop W.W. (Swineshaw) ...	Geo. Faulds, Esq., C.E.	5	3	0	733	43.2	51.17	224	187
M §Torside (Clough Edge) ...	Manchester Corp. W.W.	5	1	0	1452	50.9	61.30	...	...
M Bleaklow Hill (Dowstone Rocks) ...	Manchester Corp. W.W.	5	1	0	1718	...	68.83	...	...
M §Bleaklow Hill (Far Black Clough) ...	Manchester Corp. W.W.	5	1	0	1683	56.7	67.88	...	...
2.—MERSEY. Weaver. 2 sq. mi.									
w Buxton (Portobello Bar) ...	Borough Engineer ...	8	1	0	1600	55.9	62.91	...	...
3.—TRENT. Right Bank Tributaries. 68 sq. mi.									
d Church Gresley (Maurice Lea Park) ...	Swadlincote U.D.C.	5	1	0	400	...	28.37	180	152
d Repton (Greenshot) ...	Miss M. W. Bromley	5	0	10	230	...	28.07	...	...
D Stanton-by-Bridge (Waterworks) ...	Long Eaton U.D.C.	8	1	2	144	24.2	30.41	208	147
4.—TRENT. Dove. 156 sq. mi.									
d Rodsley (Pumping Station) ...	Engineer ...	5	1	0	415	...	40.38	...	175
5.—TRENT. Left Bank Tributaries. 84 sq. mi.									
D Etwall (Blakeley Lodge) ...	C. H. Hawley, Esq.	5	1	4	189	24.1	29.27	175	146
D Etwall (Sewage Farm) ...	Boro. Engineer & Surveyor	5	1	8	201	25.2	30.93	191	153
D Mickleover (The Pastures Hospital) ...	Medical Superintendent	5	0	9	320	24.4	28.96	177	141
D Chesterfield (Whaley Well) ...	A. Boothman, Esq., C.E.	8	1	2	337	...	28.91	202	140
6.—TRENT. Derwent. 426 sq. mi.									
D Spondon (Derby Sewage Works) ...	Borough Engineer, Derby	5	1	3	135	25.5	27.06	180	143
D Derby (Park Grove) ...	John Davis & Son, Ltd.	5	1	0	198	...	31.11	197	148
d Derby (Railway) ...	British Railways	5	1	0	156	25.1	30.86	...	...
D Derby (Royal Infirmary) ...	I. W. Owen, Esq.	5	1	0	211	26.3	33.63	202	145
Derby (Pear Tree School) ...	J. C. Hill, Esq.	5	0	11	200	...	32.98	...	...
D Derby (Markeaton Park) ...	Borough Engineer	5	1	6	190	...	33.18	182	151
D Breadsall Priory ...	E. S. Haslam, Esq.	5	1	6	370	...	31.01	166	134
D MORLEY (Derbyshire Farm Inst.) ...	Warden	8	1	0	350	...	33.02	179	142
D Duffield (The Kirkstysls) ...	John Davis & Son, Ltd.	5	1	0	235	28.3	37.16	202	156
D BELPER (Herbert Strutt SCHOOL) ...	Headmaster	5	1	0	203	29.9	34.27	198	151
D Ambergate Reservoir ... No. 61	Derwent Valley Water Bd.	5	1	0	680	...	41.19	187	149
D WIRKSWORTH (West End) ...	Alan D. G. Smith, Esq.	5	1	0	565	...	42.95	222	160
D Wirksworth (Wash Green) ...	Water Superintendent	5	1	0	738	...	40.14	194	153
D Whistandwell (Meerbrook Sough) ...	Ilkeston & Heanor Water Bd.	5	1	0	246	33.6	40.64	192	154
D Brackenfield (Lindway Res.) ...	F. P. Walters, Esq.	5	1	6	595	...	38.37	194	154
D Bakewell (Ashford Road) ...	Miss P. M. Rhodes...	5	0	10	500	33.1	39.79	226	162
D Clay Cross (Press Reservoirs) ...	P. Hothersall, Esq., M.B.E.	8	1	0	810	31.7	37.79	195	155
D Chatsworth Gardens ...	Head Gardener	5	1	0	436	34.7	38.77	201	149
D Baslow (School Lane) ...	Mr. D. Lewis	5	1	6	425	34.5	39.55	202	161
D Buxton (Stanley Moor) ...	Borough Engineer	8	1	0	1340	52.1	61.21	258	201
w Buxton (Burbage Edge) ...	Borough Engineer	8	1	0	1400	52.8	59.95	...	...
D Buxton (Ashwood Dale Sewage Works) ...	Manager	5	3	0	1010	...	56.97	247	191
D BUXTON (Terrace Slopes) ...	Town Clerk	8	1	0	1007	48.4	59.57	239	188

§ Turf wall round gauge.

DIVISION VII—NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
DERBYSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
6.—TRENT. Derwent—(contd.)									
Buxton (Green Fairfield)	No. 115 Derwent Valley Water Bd....	5	1	0	1120	...	54·00	...	...
M Wormhill (Hargate Wall)	No. 109 Derwent Valley Water Bd....	5	1	0	1140	...	52·86	...	...
M Tideswell	No. 111 Derwent Valley Water Bd....	5	1	0	1000	...	47·66	...	...
M Tideswell (Wheston) ...	No. 112 Derwent Valley Water Bd....	5	1	0	1140	...	49·45	...	...
M Tideswell (Stanley Lodge)	No. 114 Derwent Valley Water Bd....	5	1	0	910	...	46·93	...	...
M Peak Forest (Middle Hill)	No. 104 Derwent Valley Water Bd....	5	1	0	1080	...	53·01	...	...
M Peak Forest (White Rake)	No. 110 Derwent Valley Water Bd....	5	1	0	1220	...	49·98	...	...
M Buxton (Dove Holes) ...	No. 103 Derwent Valley Water Bd....	5	1	0	1095	...	56·52	...	...
M Little Hucklow	No. 107 Derwent Valley Water Bd....	5	1	0	1012	...	50·08	...	...
D Peak Forest	No. 100 Derwent Valley Water Bd....	8	1	0	1050	...	54·79	216	182
M Bradwell (Moss Rake Head)	No. 106 Derwent Valley Water Bd....	5	1	0	1435	...	55·74	...	...
M Peak Forest (Eldon Hill)	No. 113 Derwent Valley Water Bd....	5	1	0	1350	...	55·00	...	...
M Bradwell (Paradise Farm)	No. 108 Derwent Valley Water Bd....	5	1	0	1060	...	52·50	...	...
M Castleton (Rowter Farm)	No. 105 Derwent Valley Water Bd....	5	1	0	1395	...	56·99	...	...
M Rushup Edge	No. 101 Derwent Valley Water Bd....	5	1	0	1245	...	55·21	...	...
D Bamford (Engineer's Office)	No. 60 Derwent Valley Water Bd. ...	8	1	0	509	37·8	46·80	220	176
D Bamford Filters	No. 70A Derwent Valley Water Bd. ...	8	1	0	660	39·1	44·22	219	162
D Holmesfield (Barbrook Res.)	... P. Hothersall, Esq., M.B.E.	8	1	0	1080	35·6	38·75	238	168
M Holmesfield (White Edge)	... Sheffield Corporation W.W.	5	1	0	1209	...	41·48	...	...
D Burbage (Lower Burbage)	... (+A) Sheffield Corporation W.W.	8	1	0	924	36·2	41·35	258	161
D Hope (Cement Works)	... G. & T. Earle Ltd. ...	5	1	0	580	...	47·20	210	170
M Mam Nick ... ..	...No. 98 Derwent Valley Water Bd.	5	1	0	1368	...	56·18	...	...
M Dalehead ... ..	...No. 97 Derwent Valley Water Bd.	5	1	0	1030	...	56·48	...	...
M Stanage (Redmires) ...	... Sheffield Corporation W.W.	5	1	0	1395	41·7	45·69	...	...
d Bamford (Yorkshire Br. Weir)	No. 59B Derwent Valley Water Bd.	5	1	0	560	36·7	49·82	215	159
M Grain Clough	No. 96A Derwent Valley Water Bd.	5	1	0	999	...	54·22	...	...
d Edale Mill ... ..	...No. 84 Derwent Valley Water Bd.	5	1	0	725	...	55·48	...	...
M Edale End ... ..	...No. 83 Derwent Valley Water Bd.	5	1	0	632	...	50·75	...	...
M Grindslow ... ..	...No. 94 Derwent Valley Water Bd.	5	1	0	940	...	63·73	...	...
M Crook Hill ... ..	...No. 92 Derwent Valley Water Bd.	5	1	0	1100	...	53·46	...	...
M Ladybower ... ..	...No. 73 Derwent Valley Water Bd.	5	1	0	985	...	50·69	...	...
W Grimbocar ... ..	...No. 90 Derwent Valley Water Bd.	5	1	0	700	...	55·04	...	...
M Nether Moor ... ..	...No. 93 Derwent Valley Water Bd.	5	1	0	1460	...	61·84	...	...
M Hagg Farm ... ..	...No. 81 Derwent Valley Water Bd.	8	1	0	700	...	57·39	...	...
M §Blackdean Brook ...	...No. 89 Derwent Valley Water Bd.	5	1	0	1070	...	72·51	...	...
D River Ashop (Weir) ...	No. 80A Derwent Valley Water Bd.	5	1	0	795	...	64·27	236	188
D Fairholmes (Nursery) ...	No. 26A Derwent Valley Water Bd.	5	1	0	685	42·8	55·69	237	184
M Nether Seal Clough ...	No. 79B Derwent Valley Water Bd.	5	1	0	1320	...	74·85	...	...
M §Nether Red Clough ...	...No. 78 Derwent Valley Water Bd.	5	1	0	1370	...	66·10	...	...
W Mill Brook ... ..	...No. 91 Derwent Valley Water Bd.	5	1	0	770	...	52·78	...	...
M §Ashop Head	No. 43A Derwent Valley Water Bd.	5	1	0	1670	...	67·21	...	...
M Ouzelden Clough ...	...No. 75 Derwent Valley Water Bd.	5	1	0	885	...	60·08	...	...
M §Urchin Clough ...	...No. 88 Derwent Valley Water Bd.	5	1	0	1190	...	68·08	...	...
M Alport Moor (Alport Castles)...	No. 82 Derwent Valley Water Bd.	5	1	0	975	...	63·78	...	...
W Derwent Dale (Birchinlee)	...No. 23 Derwent Valley Water Bd.	8	1	0	890	50·3	55·07	...	...
M §Lady Clough Moor ...	No. 41B Derwent Valley Water Bd.	5	1	0	1720	...	74·34	...	...
M Featherbed Top... ..	...No. 77 Derwent Valley Water Bd.	5	1	0	1665	...	64·43	...	...
D Derwent Dale (Howden Dam)	No. 17 Derwent Valley Water Bd.	8	1	0	845	47·7	52·35	247	183
W §Derwent Dale (Ridge Farm)	No. 13A Derwent Valley Water Bd.	5	1	0	883	52·4	64·27	...	...
M Westend Moor (Blacklow Cote)	No. 15 Derwent Valley Water Bd.	5	1	0	970	51·3	57·92	...	...
M §Alport Moor	No. 38B Derwent Valley Water Bd.	5	1	0	1790	...	75·46	...	...
W Deep Grain ... ..	...No. 74 Derwent Valley Water Bd.	5	1	0	1360	...	72·15	...	...
M Derwent Dale (Slippery Stones)	No. 62 Derwent Valley Water Bd.	5	1	0	908	49·4	60·80	...	...
M Ronksley Moor ... ..	...No. 86 Derwent Valley Water Bd.	5	1	0	1660	...	74·60	...	...
M §Bleaklow Hill	No. 87 Derwent Valley Water Bd.	5	1	0	2050	...	73·39	...	...

§ Turf wall round gauge.

DIVISION VII NORTH MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
DERBYSHIRE—(contd.).									
6.—TRENT. Derwent—(contd.).									
M Broadhead Clough ...	No. 63 Derwent Valley Water Bd.	5	1	0	1010	52·8	65·01	...	...
M Barrow Clough ...	No. 71 Derwent Valley Water Bd.	5	1	0	1330	...	73·99	...	...
7.—TRENT. Erewash. 50 sq. mi.									
M Breaston (Doveridge) ...	F. Cresswell, Esq. ...	5	1	0	115	...	28·44	...	...
D Long Eaton (Town Hall) ...	Long Eaton U.D.C. ...	8	0	10	105	23·4	28·52	203	135
d Ilkeston (New Stanton) ...	Stanton Ironworks Co., Ltd. ...	5	1	0	150	25·2	28·37	...	...
D Ilkeston (Sewage Works) ...	Borough Surveyor ...	5	1	0	132	...	27·53	198	146
D Morley Hall ...	C. H. D. Ham, Esq. ...	5	1	0	380	...	29·39	163	132
d Codnor Park ...	Docks & Inland Waterways ...	5	1	0	243	...	31·10	...	...
8.—OUSE. Don. 138 sq. mi.									
M Chesterfield (Hunger Hill) ...	A. Boothman, Esq., C.E. ...	5	1	0	643	...	39·60	...	...
D Chesterfield (Whispering Well) ...	A. Boothman, Esq., C.E. ...	5	1	0	575	32·5	41·17	214	165
D Chesterfield (Lower Linacre Reservoir) ...	A. Boothman, Esq., C.E. ...	8	1	0	430	31·8	39·80	203	168
D Chesterfield (Middle Linacre Reservoir) ...	A. Boothman, Esq., C.E. ...	5	1	0	500	...	40·51	203	167
D Chesterfield (Upper Linacre Filters) ...	A. Boothman, Esq., C.E. ...	5	1	0	521	...	39·67	202	166
D Chesterfield (Sewage Works) ...	Manager ...	5	1	0	225	...	33·47	182	147
D Chesterfield (Crowhole Reservoir) ...	P. Hothersall, Esq., M.B.E. ...	5	1	0	605	31·1	37·90	192	157
Spinkhill (Mount St. Mary's College) ...	Rev. F. Burton, S.J. ...	5	1	0	350	...	33·83	190	151

DIVISION VIII—NORTH-WESTERN COUNTIES

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

1.—MERSEY. UPPER. 187 sq. mi.									
D Langley (Twelve Ashes) ...	J. H. Dossett, Esq. ...	6	0	9	903	...	52·54	223	193
D Langley (Trentabank Res.) ...	(+A) J. H. Dossett, Esq. ...	6	0	9	864	...	51·97	223	193
D Langley (Bottoms Res.) ...	J. H. Dossett, Esq. ...	6	0	9	662	38·5	46·74	211	188
D Macclesfield (Leadbeaters Res.) ...	J. H. Dossett, Esq. ...	5	1	0	579	...	41·77	211	177
D MACCLESFIELD (West Park) ...	J. H. Dossett, Esq. ...	5	1	0	500	34·1	42·59	228	178
D Rainow (The Clough) ...	Miss Anna Neave ...	5	1	3	815	34·4	45·34	236	178
D Nether Alderley ...	J. H. Shelmerdine, Esq. ...	5	1	0	337	...	37·88	204	167
D Prestbury (Sewage Works) ...	(+A) F. T. Hambleton, Esq.* ...	5	1	0	320	...	38·43	209	171
D Adlington (Styperson House) ...	(+A) E. Morton, Esq.** ...	5	1	0	500	...	35·50	212	176
D Disley (Lyme Park) (A) ...	Stockport Corporation W.W. ...	5	1	0	674	...	42·51	227	177
D Disley (Higher Stoneridge) ...	Stockport Corporation W.W. ...	5	1	0	750	...	42·67	227	179
D Runcorn (Weston Point) ...	Docks & Inland Waterways ...	8	1	3	30	31·3	36·02	196	160
D Appleton Reservoir ...	(+A) Warrington Waterworks ...	5	1	0	120	...	37·68	221	162
D Moore (Uplands) ...	Lt.-Com. G. K. Rylands, R.N. ...	5	1	0	120	...	36·04	197	162
D RINGWAY (MANCHESTER Airport) (+A) ...	Meteorological Office ...	5	1	0	248	29·9	36·68	214	168
D High Lane (Light Alders Farm) ...	R. B. Melland, Esq. ...	5	1	3	675	...	40·68	205	171
D MELLOR ...	Dr. K. C. Roberts ...	5	1	0	728	...	36·98	223	171
D Altrincham (Norman's Place) ...	Miss G. A. Griffiths ...	5	1	0	150	...	37·04	201	155
D Dunham Massey (Sewage Works) (+A) ...	Bucklow R.D.C.* ...	5	1	0	55	...	37·03	210	158
D Stockport (Cherry Tree Hospital) ...	Medical Officer of Health ...	5	1	3	285	...	37·59	207	166
D Timpreley (Mayfield Road) ...	H. Keate, Esq., A.C.A. ...	5	1	0	104	...	36·04	...	...
D Stockport (Cheadle Heath Sew. Wks.) ...	Borough Surveyor ...	8	2	0	135	...	34·10	194	157
D Stockport (Bredbury Sewage Works) ...	Bredbury & Romiley U.D.C. ...	5	1	0	150	...	34·82	200	173
D Sale (Carrington Lane) ...	(+A) Mersey River Board ...	5	1	0	72	...	36·35	212	163
D Sale (Sewage Works) ...	Manager ...	5	0	10	58	...	37·01	199	167
D Romiley (Greave) ...	F. Edwards, Esq. ...	5	1	0	510	...	42·09	223	179
D Godley Reservoir ...	Manchester Corp'n. W.W. ...	5	1	0	488	34·8	41·39	243	187
D Dukinfield (Higher Reservoir) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	435	...	38·64	189	163
Arnfield Reservoir ...	(+A) Manchester Corp'n. W.W. ...	5	1	0	512	39·1	44·97	231	191
Rhodes Wood Reservoir ...	Manchester Corp'n. W.W. ...	5	1	0	545	42·7	50·25	225	191
Hollingworth Hall (Moor) ...	No. 23 Manchester Corp'n. W.W. ...	5	1	0	1194	...	47·90	...	...
Torside Reservoir ...	Manchester Corp'n. W.W. ...	5	1	0	669	...	53·38	244	196

§Turf wall round gauge.

*Per Cheshire River Board.

**Per Mersey River Board.

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

STATIONS			AUTHORITIES		Rain-gauge		Average Rain- fall	1951				
					Diam. in.	Height of Rim above Ground ft.		Height of Ground above Sea Level ft.	Rain- fall in.	Days with ·01 in. or more	Days with ·04 in. or more	
CHESHIRE—(contd.).					in.	ft.	in.	ft.	in.	in.		
1.—MERSEY. UPPER.—(contd.).												
D	Stalybridge (Market Ground Yard)	...	M. T. B. Whitson, Esq., C.E.	5	1	0	373	...	42·66	216	178	
D	Stalybridge (Brushes Filter House)	...	M. T. B. Whitson, Esq., C.E.	8	1	6	615	39·2	48·83	220	188	
W	Higher Swineshaw	...	M. T. B. Whitson, Esq., C.E.	5	1	0	965	...	49·19	...	...
D	Woodhead Reservoir	...	Manchester Corp'n. W.W.	5	1	0	665	48·3	55·43	244	199	
	§Arnfield Moor	...	Manchester Corp'n. W.W.	5	1	0	1290	...	54·84	...	...
	§Crowden (Span Gutter)	...	Manchester Corp'n. W.W.	5	1	0	1530	...	56·87	...	...
	§Pikenaze Moor (Audernshaw Clough)	...	Manchester Corp'n. W.W.	5	1	0	1148	...	61·18	...	...
	§Woodhead (Pikenaze)	...	Manchester Corp'n. W.W.	5	1	0	926	...	57·03	...	...
	§Swineshaw Moor (Boar Flat) No. 11	...	Manchester Corp'n. W.W.	5	1	0	1190	48·6	56·24	...	...
	§Westend Moor (Stonefold)	...	Manchester Corp'n. W.W.	5	1	0	1691	...	62·48	...	...
	§Withens Moor (West Withens) No. 19	...	Manchester Corp'n. W.W.	5	1	0	1382	...	70·65	...	...
	§Crowden (Meadow Cough)	...	Manchester Corp'n. W.W.	5	1	0	1425	...	67·64	...	...
	§Long Ridge Moss (Near Broadslate)	...	Manchester Corp'n. W.W.	5	1	0	1663	...	76·10?	...	...
	§Longside Moss	...	No. 26 Manchester Corp'n. W.W.	5	1	0	1418	59·8	70·30	...	...
	§Grains Moss	...	Manchester Corp'n. W.W.	5	1	0	1573	...	69·20	...	...
2.—MERSEY. Weaver. 489 sq. mi.												
D	Audlem (Newholme)	...	C. Coffin, Esq.*	5	1	0	220	...	33·77	208	164	
D	Wybunbury (The Cliffe)	...	R. H. G. Tatton, Esq.	5	1	3	150	...	33·48	215	161	
D	Cholmondeley School	...	(+A) A. H. Munro, Esq.*	5	1	0	300	29·3	31·37	216	168	
D	Nantwich (Baddiley W.W.)	...	Mid & S.E. Cheshire W. Bd.	5	1	0	231	28·3	32·32	217	170	
D	Nantwich (Beam Bridge)	...	Nantwich U.D.C.	5	1	0	115	...	33·36	206	158	
D	Nantwich (Dorfold Hall)	...	Docks & Inland Waterways	8	1	0	190	28·8	32·25	189	160	
D	Nantwich (Reaseheath Hall)	...	Docks & Inland Waterways	8	1	0	130	29·1	31·19	210	154	
D	Crewe (Sewage Works)	...	L. Reeves, Esq., C.E.	5	1	0	125	...	33·81	215	168	
D	Crewe (Isolation Hospital)	...	Mid & S.E. Cheshire W. Bd.	5	1	4	181	28·2	35·12	238	178	
D	Mow Cop (Pumping Station)	...	Mid. & S.E. Cheshire W. Bd.	5	1	0	460	...	38·50	211	166	
D	Sandbach Pumping Station	...	Mid. & S.E. Cheshire W. Bd.	5	...	...	210	...	34·32	202	159
D	Tarporley (Tilstone Lodge)	...	Head Gardener	5	1	0	220	28·3	35·60	207	163	
D	Eaton (Pumping Station)	...	Mid & S.E. Cheshire W. Bd.	5	1	0	280	31·6	35·69	217	162	
D	§Congleton (Sewage Works)	...	(+A) Borough Surveyor	5	1	0	248	30·1	39·89	206	171	
D	Congleton (Buglawton Hall)	...	Docks & Inland Waterways	8	1	0	450	...	41·63	207	175	
D	Congleton (Eaton Hall)	...	Docks & Inland Waterways	8	0	9	400	...	39·99	...	154	
D	Bosley Reservoir	...	Cheshire River Board	5	1	0	500	...	42·84	202	175	
D	Middlewich	...	I.C.I. (Alkali) Ltd.	5	1	0	138	...	33·55	226	162	
D	Tarporley (Sandyford Waterworks)	...	Mid. & S.E. Cheshire W. Bd.	8	1	0	247	32·0	35·39	222	164	
D	Middlewich (Bostock Hall)	...	Manchester Corp'n. W.W.	5	1	0	157	30·3	34·24	189	155	
D	Cranage (Mental Institution)	...	Clerk & Steward*	5	1	0	170	29·2	32·60	211	165	
D	Delamere (Linnere)	...	Forestry Commission	8	0	9	250	31·9	36·52	208	170	
D	Cuddington (Merle Wood)	...	Sir Edwin Cooper Burgis, K.T.	5	1	0	200	...	36·26	...	162	
D	Northwich (Crabtree Green)	...	Mid. & S.E. Cheshire W. Bd.	8	1	0	163	32·0	38·26	237	168	
D	Northwich (Weaverham Grange)	...	Mid. & S.E. Cheshire W. Bd.	5	1	0	151	...	37·30	207	170	
D	Northwich (Hunts Lock)	...	Docks & Inland Waterways	8	1	5	47	30·0	35·83	204	165	
D	NORTHWICH (WINNINGTON)	...	I.C.I. (Alkali) Ltd.	5	1	0	64	29·2	35·06	204	155	
D	Chelford (Kennel Bank)	...	A. M. Haworth, Esq.	5	1	0	263	...	36·31	207	161	
D	Chelford (Snelson House)	...	R. C. Walsh, Esq.	5	1	0	250	...	37·45	207	157	
D	Northwich (Lostock Gralam)	...	I.C.I. (Alkali) Ltd.	5	1	0	75	...	34·29	214	160	
D	Northwich (Marbury Road)	...	Charles Cooper, Esq.	5	1	0	96	...	34·61	204	159	
3.—MERSEY. LOWER & C. 142 sq. mi.												
D	Barrowmore	...	(+A) Cheshire River Board	5	0	9	114	...	33·98	...	...
D	Mouldsworth (Pumping Station)	...	West Cheshire Water Board	5	1	0	145	28·9	35·06	228	158	
D	§Foxhill (Pumping Station)	...	Warrington W.W.	5	1	0	155	30·2	31·37	200	158	
D	Hooton Waterworks	...	West Cheshire Water Board	5	1	0	97	30·3	33·86	219	160	
D	Crosshill Reservoir, old g.	...	E. G. Hutson, Esq., C.E.	5	1	0	237	...	34·30	211	159	

§ Turf wall round gauge.

* Per Cheshire River Board.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1951		
		Diam. in.	Height of Rim above Ground ft.	Ground above Sea Level ft.	Rain- fall in.		Rain- fall in.	Days with ·01 in. or more	Days with ·04 in. or more
CHESHIRE—(contd.).									
3.—MERSEY. LOWER & C.—(contd.).									
D Crosshill Reservoir, new g. ...	E. G. Hutson, Esq., C.E. ...	5	1	0	212	...	34·46	212	163
D Port Sunlight ...	Lever Bros. ...	5	1	0	50	...	36·09	222	162
D Prenton (Waterworks) ...	West Cheshire Water Board	5	1	3	91	28·1	36·15	201	164
D Birkenhead (BIDSTON OBS'Y.) ...	(+A) Director ...	8	1	0	198	27·9	31·79	203	150
D WALLASEY (Harrison Park) ...	Medical Officer of Health ...	5	1	0	57	...	31·93	192	159
4.—DEE. 127 sq. mi.									
D Eaton Hall Gardens ...	Mr. G. Miller ...	5	1	3	73	26·9	34·01	231	167
d Rowton (Holly Bank) ...	J. H. Salmon, Esq. ...	5	1	5	213	27·3	30·63	...	151
D Chester (Sewage Disposal Wks.) ...	Engineer and Surveyor ...	5	0	6	16	26·1	29·10	189	147
D Chester (Waterworks) ...	Engineer ...	5	0	10	85	26·4	30·50	221	143
D WEST KIRBY (Park) ...	Hoylelake U.D.C. ...	5	1	5	25	...	31·82	213	159
D West Kirby (Monk's Way) ...	Miss G. S. Kirkby ...	5	1	0	113	28·9	32·61	203	160
D WEST KIRBY (St. Andrew's Vicarage)	Rev. Canon E. F. Robson...	5	1	0	25	27·9	31·12	224	156
SOUTH LANCASHIRE. (Area, 700 sq. mi.)									
1.—ALT & C. 103 sq. mi.									
Liverpool (Mayfield Close) ...	Rev. C. Decker, F.R.Met.S.	5	2	0	95	...	39·76	...	...
D Prescot (Knowsley Hall) ...	Mr. W. Steele ...	5	1	6	178	...	37·78	195	149
d Kirby (Estate Works) ...	Mersey River Board	5	1	0	48	...	41·55	...	176
D Crosby (Merchant Taylors' School) ...	H. Tunley, Esq. ...	5	0	8	20	...	32·85	189	161
D Formby (Ince Blundell) ...	Mersey River Board	5	1	0	36	...	42·11	251	172
d Ormskirk (Bickerstaffe Pumping Stn.)	N. B. Bennett, Esq., C.E. ...	5	0	8	128	33·2	41·04	...	...
d Ormskirk (Springfield Pumping Stn.)	N. B. Bennett, Esq., C.E. ...	5	1	1	69	33·1	41·14	...	...
d Formby (Hightown) ...	(+A) Mersey River Board	5	1	0	25	...	37·67	255	166
D Barton (Pump House) ...	M. McD. MacLeod, Esq. ...	5	1	0	11	...	38·81	203	159
2.—MERSEY. LOWER. 244 sq. mi.									
D SPEKE (Liverpool Airport) ...	(+A) Meteorological Office	5	1	0	81	...	33·79	211	166
D Garston Dépôt ...	Liverpool Corporation	5	1	0	81	30·7	35·59	219	172
D Halewood (Sewage Works) ...	Manager ...	5	1	2	30	...	39·31	233	174
D Widnes (Gas & Water Works) ...	Engineer and Manager	5	1	0	34	...	35·54	180	147
D Liverpool (Lark Lane) ...	Liverpool Corporation	5	9	1	90	...	34·52	215	169
D Liverpool (Smithdown Road) ...	Liverpool Corporation	5	1	0	135	31·7	38·52	222	173
d Cronton (Pex. Hill, Old Reservoir) ...	Engineer and Manager	5	1	0	228	...	39·23	192	168
D Liverpool (Monument Place) ...	(+A) Liverpool Corporation	5	1	3	124	...	36·21	218	169
D Liverpool (Rathbone Road) ...	Liverpool Corporation	5	1	0	198	34·3	37·47	209	172
D Liverpool (Breckside Park) ...	Liverpool Corporation	5	0	9	132	...	36·15	205	171
D Liverpool (Queens Drive) ...	Liverpool Corporation	5	1	0	119	33·3	41·46	210	188
D Warrington (Howley Yard) ...	Borough Surveyor ...	8	5	1	26	...	38·08	221	164
D Winwick (Pumping Station) ...	Warrington Waterworks	5	1	0	115	...	40·24	214	167
Prescot ...	Liverpool Corp'n. W.W.	5	1	0	282	...	44·34	...	...
D St. Helens (Eccleston Hill) ...	M. Ward, Esq., C.E. ...	12	1	0	250	33·6	41·03	221	161
D St. Helens (Victoria Park) ...	Medical Officer of Health ...	8	1	5	160	33·9	40·84	223	172
D St. Helens (Windle Hall) ...	W. H. Pilkington, Esq. ...	5	1	0	160	...	40·00	206	163
d Litherland (Hatton Hill Park) ...	G. W. Ponsford, Esq., C.E.	5	1	0	59	...	33·64	...	...
D Leigh (Sewage Works) ...	T. N. Cockcroft, Esq., B.Sc.	8	3	0	67	32·6	41·24	193	174
D Rainford (Rookery Sewage Works) ...	Mersey River Board	5	1	0	107	...	41·52	197	163
D Hindley (Platt Bridge Sewage Works)	Surveyor ...	8	0	10	91	...	45·60	218	178
d Atherton (Cemetery) ...	Mersey River Board	5	1	0	165	...	45·00	201	171
3.—MERSEY. Irwell. 299 sq. mi.									
D Stretford (Longford Park) ...	Stretford U.D.C. ...	8	1	1	85	...	36·28	196	156
D Manchester (Hullard Park) ...	Stretford U.D.C. ...	8	1	1	100	32·4	38·66	195	168
D Manchester (Old Trafford) ...	Stretford U.D.C. ...	5	1	1	107	...	34·67	197	157
D Urmston (Sewage Wks., Davyhulme)	Manchester Cpn. River Dpt.	8	1	0	72	30·9	36·34	203	161

|| Gauge oversheltered.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
SOUTH LANCASHIRE—(contd.).									
3.—MERSEY. Irwell—(contd.).									
D Salford (Weaste Sewage Works) ...	City Engineer ...	8	1	0	70	...	37.46	216	166
D MANCHESTER (WHITWORTH PARK) ...	University of Manchester ...	8	1	0	125	31.7	39.20	220	170
D Ashton-under-Lyne (Knott Hill Res.) ...	M. T. B. Whitson, Esq., C.E. ...	8	1	0	605	...	46.45	269	185
Prestwich Reservoir ...	Manchester Corpn. W.W. ...	5	1	0	357	...	45.14	211	164
Prestwich (Heaton Park Res.) ...	Manchester Corpn. W.W. ...	5	1	0	355	37.1	41.32	230	171
D Oldham (Gas Works) ...	C. Busfield, Esq., C.E. ...	5	5	9	602	39.0	51.81	229	186
D Bolton (Hacken Sewage Works) ...	Manager ...	5	1	0	182	...	47.32	209	172
D Oldham (Brushes Clough) No. 3 ...	C. Busfield, Esq., C.E. ...	5	1	0	921	46.7	54.55	240	188
D Royton (Public Park) ...	Park Superintendent ...	5	1	0	516	...	41.07	219	181
D BOLTON (Queen's Park) ...	(+A) Corporation ...	5	1	0	342	43.1	51.75	222	180
d Bolton (Bradshawgate) ...	Docks & Inland Waterways ...	5	1	0	299	...	49.79	...	...
D Bolton (Heaton Reservoir) ...	Bolton Corporation W.W. ...	5	1	0	500	43.5	52.63	239	193
Bolton W.W. (Harpers Farm) ...	Bolton Corporation W.W. ...	5	1	0	872	...	50.19	...	...
D Bolton (Smithhills Hall) ...	Corporation ...	5	1	0	510	46.1	52.46	204	180
D Bury (Sewage Works) ...	G. R. C. Marsden, Esq. ...	5	1	0	220	...	43.10	222	166
D Bury (Elton Reservoir) ...	Docks & Inland Waterways ...	5	1	0	294	...	41.02	227	175
D Bury (Greenhill Road) ...	R. Moore, Esq. ...	5	2	7	399	...	48.98	195	174
D Castleton (Trubb Sewage Works) ...	Borough Surveyor ...	5	1	0	438	...	44.17	222	168
D Newhey (Sewage Works) ...	Crompton U.D.C. ...	8	1	0	513	41.6	51.77	213	186
D Milnrow (Butterworth Hall) ...	C. Busfield, Esq., C.E. ...	5	1	0	512	43.8	51.44	226	186
D Milnrow (Piethorne, Kitcliffe) ...	C. Busfield, Esq., C.E. ...	5	1	0	766	...	54.22	236	195
D Milnrow (Piethorne, Cold Greave) ...	C. Busfield, Esq., C.E. ...	5	1	0	832	46.3	54.47	238	188
D ROCHDALE (Roch Mills Sew. Wks.) ...	Borough Surveyor ...	5	1	0	363	44.5	45.93	219	175
D Rochdale (Lord Street) ...	Rochdale Corporation ...	5	4	6	407	...	49.76	223	180
D Rochdale (Fieldhead Yard) ...	Borough Surveyor ...	8	1	0	473	...	50.78	197	156
D Rochdale (Ashworth Moor Res.) ...	Heywood & Middleton W.Bd. ...	5	1	2	956	...	50.29	236	200
D Bury (Gin Hall) ...	No. 1 Irwell Valley Water Bd. ...	5	1	0	475	43.7	49.50	233	182
D Bury (Gin Hall) ...	No. 2 Irwell Valley Water Bd. ...	5	1	0	475	44.5	50.33	233	185
D Bolton W.W. (Springs) ...	No. 2 Bolton Corporation W.W. ...	5	1	0	810	54.5	63.94	243	199
D Turton (Turton Tower) ...	Turton U.D.C. ...	5	1	0	584	...	55.54	228	187
M Bolton W.W. (Hordern) ...	Bolton Corporation W.W. ...	5	1	0	1160	53.6	65.56	...	...
D Bolton W.W. (Delph) ...	Bolton Corporation W.W. ...	5	1	0	710	53.6	59.94	233	192
M Bolton W.W. (Longworth) ...	Bolton Corporation W.W. ...	5	1	0	770	52.4	60.59	...	...
D Bolton W.W. (Wayoh) ...	No. 3 Bolton Corporation W.W. ...	5	1	0	608	51.6	58.04	232	185
M §Bolton W.W. (Holden's Farm) ...	Bolton Corporation W.W. ...	5	1	0	955	53.0	57.85	...	...
M Bolton W.W. (Top-o'-th'-Brow) ...	Bolton Corporation W.W. ...	5	1	0	935	56.5	63.81	...	...
D Bolton W.W. (Entwistle) ...	Bolton Corporation W.W. ...	5	1	0	792	53.8	58.92	237	180
Bolton W.W. (Bromiley Heys) ...	Bolton Corporation W.W. ...	5	1	0	925	51.5	63.70	...	...
§Bolton W.W. (Hulton Pasture) ...	Bolton Corporation W.W. ...	5	1	0	1090	49.7	64.18	...	...
§Bolton W.W. (Moorside) ...	Bolton Corporation W.W. ...	5	1	0	850	50.2	54.32?	...	...
Bolton W.W. (Clough) ...	Bolton Corporation W.W. ...	5	1	0	1150	55.4	62.85	...	...
Bolton W.W. (Cranberry Moss) ...	Bolton Corporation W.W. ...	5	1	0	982	53.7	60.27	...	...
Bolton W.W. (Slater Lane) ...	Bolton Corporation W.W. ...	5	1	0	985	51.8	64.52	...	...
Bolton W.W. (Brown Lowe) ...	Bolton Corporation W.W. ...	5	1	0	1200	53.8	61.82	...	...
Bolton W.W. (Longshoot) ...	Bolton Corporation W.W. ...	5	1	0	930	...	60.79	...	...
Bolton W.W. (Ugnow) ...	No. 2 Bolton Corporation W.W. ...	5	1	0	1090	51.1	58.12	...	...
D Rochdale (Hamer Pasture Res.) ...	Rochdale Corporation W.W. ...	5	1	0	760	48.6	54.72	227	190
D Rochdale (Naden Filters) ...	Heywood & Middleton W.Bd. ...	5	1	0	761	...	53.98	226	182
w Norden (Far Knowl Farm) ...	Heywood & Middleton W.Bd. ...	8	1	3	1000	47.2	56.16	...	...
D Littleborough (Longden End) ...	C. Busfield, Esq., C.E. ...	5	1	0	751	47.4	58.32	241	197
D Littleborough (Hollingworth Lake) ...	C. Busfield, Esq., C.E. ...	8	1	0	610	40.6	47.01	222	180
D §Littleborough (Broadhead) ...	C. Busfield, Esq., C.E. ...	8	1	0	1337	...	50.74	250	185
D Littleborough (Blackstone Edge) ...	C. Busfield, Esq., C.E. ...	8	1	0	1268	45.0	59.11	250	191
D Littleborough (Upper Chelburn) ...	C. Busfield, Esq., C.E. ...	8	1	0	725	47.5	56.86	240	187
D Littleborough (Chelburn) ...	C. Busfield, Esq., C.E. ...	8	1	0	700	...	56.21	240	187

§Turf wall round gauge.

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

STATIONS		AUTHORITIES	Rain-gauge				Average Rain- fall	1951		
			Diam.	Height of		in.		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
			Rim above Ground	Ground above Sea Level						
SOUTH LANCASHIRE—(contd.).			in.	ft.	in.	ft.	in.	in.		
3.—MERSEY. Irwell.—(contd.).										
	||Ramsbottom (Killgate Brook)	... Heywood & Middleton W. Bd.	5	1	0	978	...	50·99	235	200
d	Ramsbottom	... Docks & Inland Waterways	5	0	11	418	47·7	56·89	...	...
	Ramsbottom (Cheesden Barn)	... Heywood & Middleton W. Bd.	5	1	0	997	...	49·43	235	200
D	Edenfield (New Hall Nurseries)	... Irwell Valley Water Board...	5	1	0	800	...	56·15	248	179
D	Edenfield (Scout Moor Res.)	... No. 2 Irwell Valley Water Board	5	1	0	1275	...	68·35	234	197
D	Waterfoot (Cragg Reservoir)	... Bacup Borough Council	5	1	0	1325	...	63·65	246	197
D	Waterfoot (Cowpe Reservoir)	... Bacup Borough Council	5	1	0	925	...	63·65	246	197
D	Rochdale (Spring Mill, Whitworth)	... Rochdale Corporation	5	1	0	720	51·5	61·42	226	199
D	Wardle (Watergrove Mill)	... Rochdale Corporation	8	2	6	819	...	57·36	243	202
D	Rochdale (Cowm, Whitworth)	... Rochdale Corporation	5	1	0	762	51·5	62·22	222	203
D	Helmshore (Musbury Valley)	... Irwell Valley Water Board...	5	1	0	750	...	60·59	219	194
D	Haslingden (Holden Wood)	... No. 1 Irwell Valley Water Board...	5	1	0	670	52·1	61·64	228	187
D	Haslingden (Holden Wood)	... No. 2 Irwell Valley Water Board...	5	1	0	670	51·4	62·91	229	193
D	Haslinden (Calf Hey)	... No. 1 Irwell Valley Water Board...	5	1	0	800	50·9	64·89	227	197
D	Haslingden (Ogden)	... No. 1 Irwell Valley Water Board...	5	1	0	740	...	60·62	227	194
D	Haslingden (Ogden)	... No. 2 Irwell Valley Water Board...	5	1	0	740	...	62·77	227	195
D	Bacup (Sheephouse Reservoir)	... Bacup Borough Council	5	1	0	975	...	65·50	250	202
D	Bacup	... Docks & Inland Waterways	5	1	0	875	47·1	56·18	213	191
D	Rawtenstall (Cemetery)	... (+A) Boro' Engineer & Surveyor	5	1	1	572	...	57·01	203	177
d	Haslingden	... Docks & Inland Waterways	5	1	0	714	...	56·83	...	...
D	Rawtenstall (Green Fold Res.)	... (+A) Irwell Valley Water Board	5	1	0	1000	...	56·18	212	188
D	Rawtenstall (Green Fold Res.)	... No. 2 Irwell Valley Water Board	5	1	0	1025	...	56·24	211	188
D	Rawtenstall (Cloughbottom)	... No. 1 Irwell Valley Water Board	5	1	0	1025	47·4	55·55	225	185
D	Rawtenstall (Clowbridge Res.)	... No. 1 Irwell Valley Water Board	5	1	0	930	47·6	61·01	212	196
D	Rawtenstall (Clowbridge Res.)	... No. 2 Irwell Valley Water Board	5	1	0	930	51·6	64·62	212	196
4.—MERSEY. UPPER. 54 sq. mi.										
D	Northenden (Sewage Works)...	... Manchester Cpn. Rivers Dpt.	8	1	0	81	...	36·92	211	170
D	Chorlton-cum-Hardy (Sewage Works)	... Manchester Cpn. Rivers Dpt.	8	4	6	95	30·5	37·64	218	165
D	Stretford (Sewage Farm)	... Borough Engineer	8	1	1	65	...	36·93	206	163
D	Denton (Sewage Works)	... Denton U.D.C.	5	1	0	205	...	34·97	213	173
D	Fallowfield (Platt Field Park)	... City Engineer, Manchester	8	1	0	118	30·6	40·38	228	171
	Denton Reservoir	... Manchester Corp'n. W.W.	5	1	0	306	...	41·83	...	...
	Gorton Reservoir	... Manchester Corp'n. W.W.	5	1	0	263	...	42·21	...	...
D	Ashton-u-Lyne (Henrietta St. Yard)	... M. T. B. Whitson, Esq., C.E.	5	1	0	394	37·2	42·27	217	175
D	Lower Swineshaw Reservoir	... M. T. B. Whitson, Esq., C.E.	8	1	0	886	43·6	49·24	219	190
w	Swineshaw Moor	... M. T. B. Whitson, Esq., C.E.	5	1	0	1340	...	52·27	...	...
CENTRAL LANCASHIRE. (Area, 536 sq. mi.)										
1.—RIBBLE & C. 326 sq. mi.										
M	Rivington (Tockholes)	... Liverpool Corp'n. W.W.	5	1	0	970	...	61·12	...	...
M	Roddlesworth	... Liverpool Corp'n. W.W.	5	1	0	725	...	55·75	...	...
D	Darwen (Sunnyhurst Hey Res.)	... Borough & Water Engineer	8	1	5	915	49·5	62·55	226	189
D	Darwen (Earnsdale Reservoir)	... Borough & Water Engineer	8	1	0	705	47·4	62·81	226	189
D	DARWEN (Bold Venture Park)	... Medical Officer of Health	8	1	1	724	50·1	59·60	239	193
D	Darwen (Hoddlesden)	... No. 1 G. McKay, Esq., C.E.	8	1	6	680	49·1	61·05	221	188
D	§Darwen (Daisy Green)	... No. 1 G. McKay, Esq., C.E.	8	1	6	969	...	60·38	224	194
D	§Darwen (Pickup Bank)	... G. McKay, Esq., C.E.	8	1	6	727	...	61·10	224	190
D	Brindle (Whiteholme)...	... Miss W. M. Gatty	5	1	8	315	39·3	46·64	197	168
D	Haslingden (Mitchell's House Res.)	... R. Jackson, Esq., B.Sc.	5	1	0	930	45·0	56·51	229	189
D	Blackburn (Guide Reservoir)	... G. McKay, Esq., C.E.	8	1	6	610	44·9	48·08	232	180
D	Blackburn (Witton)	... G. McKay, Esq., C.E.	8	1	6	315	42·0	45·22	211	169
D	HUTTON (Lancs. C.C. Hort. Station)	... County Inst. of Agriculture	5	1	0	82	35·2	44·16	193	161
D	Accrington (Oak Hill Park)	... (+A) Borough Engineer	5	1	0	645	...	55·12	202	184

|| Gauge overexposed.

§ Turf wall round gauge.

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

STATIONS		AUTHORITIES		Rain-gauge		Average Rain- fall	1951				
				Diam.	Height of Rim above Ground		Ground above Sea Level	Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more	
CENTRAL LANCASHIRE—(contd.).				in.	ft.	in.	ft.	in.	in.		
1.—RIBBLE & C.—(contd.).											
D	Accrington (Coppo Clough S.W.) (+A)	Borough Engineer ...	...	5	1	0	386	...	53·93	211	178
D	PRESTON (Moor Park) ... (+A)	Jeremiah Horrocks Obsy. ...	...	8	1	0	110	35·3	45·25	220	170
D	Samlesbury (Sewage Works) ...	G. McKay, Esq., C.E. ...	...	8	1	6	240	36·9	44·51	220	169
d	SQUIRES GATE (Blackpool Airport) ...	Meteorological Office ...	...	5	1	0	33	31·8	40·57	198	155
d	Blackburn (Queens Road) ...	J. Brennand, Esq. ...	...	5	1	1	515	...	53·38	...	...
w	Causeway Side (Burnley W.W.) ...	J. Shepherd, Esq., C.E. ...	...	5	1	0	1110	...	65·88	...	...
w	Sheddin (Burnley W.W.) ...	J. Shepherd, Esq., C.E. ...	...	5	1	0	960	...	64·25	...	...
D	Cant Clough S. Side (Burnley W.W.)	J. Shepherd, Esq., C.E. ...	...	5	1	0	903	...	64·50	222	193
D	Cant Clough N. Side (Burnley W.W.)	J. Shepherd, Esq., C.E. ...	...	5	1	0	846	...	62·51	222	191
w	Rams Clough Head (Burnley W.W.)	J. Shepherd, Esq., C.E. ...	...	5	1	0	1236	...	60·24	...	...
D	Huncoat (Burnley Road Res.) ...	R. Jackson, Esq., B.Sc. ...	...	5	1	0	640	43·0	53·56	212	172
D	Rishton (Sewage Works) ...	Surveyor ...	...	5	1	0	300	...	52·37	218	184
D	Great Harwood (Parsonage Res.) ...	G. McKay, Esq., C.E. ...	...	8	1	0	631	40·7	49·89	216	174
D	Great Harwood (Kebb Farm) ...	R. Jackson, Esq., B.Sc. ...	...	5	1	0	670	...	56·03	218	188
D	BURNLEY (Queens Park) ...	Medical Officer of Health ...	...	8	1	0	458	...	51·04	213	175
D	Burnley (Swinden) upper g. ...	J. Shepherd, Esq., C.E. ...	...	5	1	0	811	43·6	56·27	223	181
w	Extwistle Moor Top (Burnley W.W.)	J. Shepherd, Esq., C.E. ...	...	5	1	0	1308	...	59·02	...	...
D	Padiham (Huntroyde) ...	C. Russell Ingham, Esq. ...	...	5	1	0	430	41·1	49·32	218	181
D	Alston Reservoir ...	E. C. Oakes, Esq., C.E. ...	...	8	1	2	330	41·0	48·20	235	183
	§Nelson (Red Spa Moor) ...	Nelson Corporation W.W. ...	...	5	1	0	1175	...	59·77	...	...
D	§Nelson (Coldwell Res.) ... No. 3	Nelson Corporation W.W. ...	...	5	1	0	1060	...	62·07	239	192
D	Nelson (Coldwell Res.) ... No. 2	Nelson Corporation W.W. ...	...	5	1	0	960	46·3	57·77	239	188
D	Whalley (Calderstones Institution) ...	C. R. Iken, Esq.* ...	...	5	1	0	198	...	52·41	215	173
D	Nelson (Sewage Works) ...	Nelson Corporation W.W. ...	...	5	1	0	359	...	53·12	223	177
D	NELSON (Walton Lane) ... (+A)	Medical Officer of Health ...	...	5	1	0	540	40·6	50·32	221	175
D	Ribchester Institution ...	E. G. Heaver, Esq.* ...	...	5	1	0	279	...	51·06	228	185
D	STONYHURST College ...	Rev. J. Lawrence, S.J. ...	...	8	1	10	377	46·5	54·68	216	182
D	Cowley Brook (Preston W.W.) ...	E. C. Oakes, Esq., C.E. ...	...	8	1	2	616	...	55·51	240	196
D	Spade Mill (Preston W.W.) ...	E. C. Oakes, Esq., C.E. ...	...	8	1	2	374	41·7	51·53	226	190
	Jeffrey Hill (Preston W.W.) ...	E. C. Oakes, Esq., C.E. ...	...	8	1	2	900	47·3	55·25	...	...
D	Sabden (Churn Clough Reservoir)	Water Engineer, Padiham ...	...	5	1	0	790	41·2	52·58	217	189
w	Sabden (Craggs Dole) ...	Water Engineer, Padiham ...	...	8	1	0	1060	46·0	56·10	...	...
D	§Barley (Ogden Reservoir) ...	Nelson Corporation W.W. ...	...	5	1	0	908	...	63·39	231	192
D	§Pendle Hill (Buttock) ...	Nelson Corporation W.W. ...	...	5	1	0	1175	49·9	64·23	229	198
D	Colne (Swinden Sewage Works)	Borough Engineer ...	...	5	1	0	423	42·0	49·67	219	184
D	Colne (Judge Fields) ... (+A)	Borough Engineer ...	...	5	1	0	558	...	51·75	226	185
D	Barrowford Reservoir ...	Docks & Inland Waterways ...	...	8	1	0	473	41·0	52·82	180	153
	§Nelson (Blackmoss Reservoir) ...	Nelson Corporation W.W. ...	...	5	1	0	830	...	61·48	...	...
D	Foulridge (Upper Reservoir) ...	Docks & Inland Waterways ...	...	8	1	0	582	40·5	49·21	191	160
D	Foulridge (Reedymoor) ...	Docks & Inland Waterways ...	...	5	1	0	553	...	52·20	194	170
D	Chatburn School ...	E. P. Aldersley, Esq. ...	...	5	1	0	322	43·0	49·88	218	174
	Clitheroe (Downham Hall) ...	Sir R. C. Assheton, Bart. ...	...	5	1	6	464	...	50·80	...	...
2.—RIBBLE. Douglas. 156 sq. mi.											
D	Wigan W.W. (Billinge Higher End) ...	Borough Engineer ...	...	5	1	0	374	...	46·11	199	179
D	Wigan (Grammar School) ...	Headmaster ...	...	5	1	0	120	...	41·47	193	163
d	Wigan (Gidlow Sec. Mod. School)	Headmistress ...	...	8	0	9	150	...	46·01	204	174
D	Wigan W.W. (Worthington) ...	Borough Engineer ...	...	5	1	0	225	35·4	45·90	218	171
D	Horwich (Lower Rivington) ...	Liverpool Corp'n. W.W. ...	...	5	1	0	440	38·7	49·47	232	186
M	Horwich (Gilsbrook Spring) ...	Liverpool Corp'n. W.W. ...	...	5	1	0	598	...	52·36	...	...
M	Rivington (Scotchman's Post)...	Liverpool Corp'n. W.W. ...	...	5	1	0	1425	...	55·70	...	...
M	Rivington (Hordern Stoops) ...	Liverpool Corp'n. W.W. ...	...	5	1	0	1065	...	53·74	...	...
M	Rivington (Brown Hill) ...	Liverpool Corp'n. W.W. ...	...	5	1	0	727	...	50·87	...	...
D	§Rivington (Stones House) ...	Liverpool Corp'n. W.W. ...	...	5	1	0	607	...	48·70	245	191
M	Rivington (Round Loaf) ...	Liverpool Corp'n. W.W. ...	...	...	...	...	970	...	56·00	...	...

* Per Lancs. C.C. Land Drainage Engineer.

§ Turf wall round gauge.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1951							
		Diam.	Height of		Ground above Sea Level		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more					
		in.	ft.	in.		ft.				in.	in.			
CENTRAL LANCASHIRE—(contd.).														
2.—RIBBLE.—(contd.)														
M	||Rivington (Great Hill)	...	...	...	Liverpool Corpn. W.W.	...	5	1	0	1240	...	58·36	...	...
M	||Rivington (Coppice Stile)	...	...	...	Liverpool Corpn. W.W.	...	5	1	0	879	...	51·13	...	...
	Rivington (Pimms)	...	...	...	Liverpool Corpn. W.W.	...	5	1	0	987	...	62·40	...	...
M	Rivington (Gamekeeper's)	...	...	...	Liverpool Corpn. W.W.	...	8	1	1	850	45·4	55·74	...	...
M	Chorley (Filter Beds)	...	...	...	Liverpool Corpn. W.W.	...	8	1	0	430	...	49·66	...	...
d	Chorley (Common Bank Sew. Wks.)	...	...	...	J. Slater, Esq.	...	5	1	0	186	...	43·65	218	168
d	Chorley (Cowling Sewage Works)	...	...	...	Borough Engineer	...	5	1	0	262	...	48·77	...	...
d	Bretherton (Bank Hall)	...	...	...	R. Douglas Catchment Bd.*	...	5	1	0	20	...	43·44	213	173
3.—COAST STREAMS. 52 sq. mi.														
d	Formby (The Dunes)	...	...	...	J. Harold Coney, Esq.	...	5	0	9	30	29·8	38·17	203	156
d	SOUTHPORT (Bedford Road Park)	...	...	...	Borough Council	...	5	1	0	35	32·0	41·84	208	171
d	Rufford (Pulmonary Hospital)	...	...	...	Head Gardener*	...	5	1	0	38	...	40·71	181	161
d	Southport (Hesketh Park)	...	(+A)	...	Borough Meteorologist	...	8	1	0	37	32·0	39·83	209	164
d	Southport (Marshside)	...	...	...	Borough Meteorologist	...	5	0	11	...	...	38·97	212	165
d	Crossens (Pumping Station)	...	...	...	L. J. Lepine, Esq.	...	5	0	4	15	...	35·92	184	164
4.—OUSE. Aire. 2 sq. mi.														
d	Watersheddes Reservoir	...	No. 2	...	G. E. V. Boldry, Esq., C.E.	...	5	1	0	1115	...	61·00	228	187
d	Foulridge (Canal Office)	...	...	...	Docks & Inland Waterways	...	8	1	0	497	43·5	53·12	192	173
NORTH LANCASHIRE. (Area, 609 sq. mi.)														
1.—DUDDON & C. 77 sq. mi.														
d	Barrow-in-Furness (Gas Works)	...	...	...	Water Engineer, Barrow	...	5	1	0	17	37·6	43·63	197	164
d	Barrow-in-Furness (Sew. Wks.)	...	(+A)	...	J. N. Flitcroft, C.E.	...	5	1	0	20	39·3	44·06	223	167
	Barrow-in-Furness (Risedale M. Sch.)	...	...	...	Headmaster	...	5	1	0	55	...	41·23	...	...
d	Barrow-in-Furness (Abbey Road)	...	...	...	P. M. Rainey, Esq.	...	5	1	0	128	...	44·80	202	165
d	Barrow (Rakesmoor Lane)	...	...	...	C. H. Wilson, Esq., A.R.I.B.A.	...	5	0	10	260	...	47·89	202	179
d	Little Urswick (North View)	...	...	...	Miss I. Dobson	...	5	1	0	130	44·4	52·18	216	174
d	URSWICK Vicarage	...	...	...	Rev. M. D. Grieve	...	5	0	7	132	...	53·49	223	187
d	Ulverston (Poaka Beck)	...	...	...	Water Engineer, Barrow	...	5	1	0	512	52·1	53·79	223	181
w	§Duddon Valley (Seathwaite Tarn)	...	...	...	Water Engineer, Barrow	...	5	1	0	1221	92·7	115·32	...	...
2.—LEVEN & C. 135 sq. mi.														
d	Ulverston (Pengwerne)	...	...	...	Mrs. A. M. Chapman	...	5	1	2	124	50·1	58·22	233	198
d	Ulverston (Park Road)	...	...	...	E. Satterthwaite, Esq.	...	5	1	0	50	...	55·72	220	179
d	Haverthwaite (Outwood)	...	...	...	Sir Bryan Fell, K.C.M.G.†	...	5	1	0	65	53·5	64·46	220	190
d	Newby Bridge (Fell Foot)	...	...	...	P. S. Rhodes, Esq.	...	5	1	0	175	...	65·16	222	174
d	Cartmel Fell (Tower Wood)	...	...	...	Windermere U.D.C.	...	5	1	0	150	...	65·85	222	180
	Cartmel Fell (Ghyll Head Res.)	...	...	...	F. C. Needham, Esq.	...	8	1	0	420	63·1	66·54	...	...
d	Coniston (Holywath)	...	...	...	Major J. W. B. Hext	...	8	0	9	250	...	105·16	241	206
d	Hawkeshead (Wraymires Fisheries)	...	...	...	Freshwater Biological Assoc.	...	5	1	0	271	...	77·26	216	190
d	Sawrey (Ferry House)	...	...	...	Freshwater Biological Assoc.	...	5	1	0	145	...	66·49	...	...
d	||High Wray (Huyton Hill School)	...	...	...	Freshwater Biological Assoc.	...	5	9	0	129	...	77·00	199	178
3.—KENT & C. 45 sq. mi.														
d	Heysham Harbour	...	...	...	British Railways	...	5	1	0	36	34·7	45·33	...	...
d	MORECAMBE	...	...	...	Town Clerk	...	8	1	0	23	37·0	41·58	189	156
d	Morecambe (Stuart Avenue)	...	...	...	H. W. Apperley, Esq.	...	5	1	0	18	...	44·72	...	...
d	Morecambe (Bare Lane)	...	...	...	K. M. Wolstencroft, Esq.	...	5	0	11	20	...	42·99	206	163
d	Lindale (Ellerhow)	...	...	...	Lady Tomlinson	...	5	1	0	300	51·4	54·24	211	171

|| Site unorthodox.

† For Freshwater Biological Association.

* Per Lancs C.C. Land Drainage Engineer.

§ Turf wall round gauge.

DIVISION VIII NORTH-WESTERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1951						
		Diam.	Height of		Ground above Sea Level		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more				
		in.	ft.	in.		ft.				in.	in.		
NORTH LANCASHIRE.—(cont.).													
4.—LUNE. 135 sq. mi.													
d	Winmarleigh Hall ... ..	...	...	...	Lancashire River Board ...	5	1	0	46	...	48·09	...	...
D	Hampson-in-Ellel ... ..	...	...	...	John Welch, Esq.	5	1	0	145	38·3	47·76	224	171
D	Lancaster (Blea Tarn Reservoir) ...	...	...	...	L. Lyons, Esq., C.E. ...	5	1	0	330	...	54·96	211	182
D	Lancaster (Stodday) ... ..	...	...	...	L. Lyons, Esq., C.E. ...	5	1	0	25	...	45·76	202	163
d	Lancaster (Lune Aqueduct) ... ..	...	...	...	Docks & Inland Waterways	8	1	0	74	38·4	48·53	203	183
5.—WYRE & C. 213 sq. mi.													
D	Hornby (The Snab) ... ..	...	...	...	A. T. Storey, Esq.	5	1	0	110	...	51·80	206	168
D	Weeton Reservoir ... ..	...	...	No. 1	Fylde Water Board	5	1	0	133	36·6	45·29	212	172
D	Fulwood W.W. (Haighton Res.) ...	...	...	...	Engineer and Surveyor*	5	1	0	264	...	46·88	213	169
	KIRKHAM (Esprick) ... ..	...	...	...	Director, Fairfield E.H. Stn.	5	1	0	78	...	44·98	194	170
D	St. Michael's-on-Wyre (Fairway) ...	...	...	...	E. W. Hornby, Esq. ...	5	1	0	26	36·0	43·49	207	162
D	Fulwood W.W. (Barnsfold Res.) ...	...	...	...	Engineer & Surveyor*	5	1	0	508	...	56·28	235	181
D	FLEETWOOD (Memorial Park) ... ..	...	...	...	Town Clerk	5	1	0	21	...	43·61	200	157
D	Garstang (Barnacre Reservoir) ...	...	...	...	Fylde Water Board	5	1	0	616	45·7	58·81	225	188
D	Garstang (Grizedale Reservoir) ...	...	...	...	Fylde Water Board	5	1	0	517	43·6	50·63	225	175
	Garstang (Calder Intake) ... ..	...	...	...	Fylde Water Board	5	1	0	632	46·6	56·49	...	...
D	Garstang (Scorton) ... ..	...	...	...	W. G. Richmond, Esq. ...	5	1	0	92	...	50·13	213	173
	Garstang (Grizedale Intake) ...	...	...	...	Fylde Water Board	5	1	0	644	46·6	55·53	...	...
D	Wryesdale (Abbeystead Reservoir) ..	...	...	...	L. Lyons, Esq., C.E. ...	5	1	0	366	47·9	60·91	214	190
D	Abbeystead Gardens ... ..	...	...	...	Mr. George Penk	5	1	0	420	50·1	58·31	224	182
D	Damas Ghyll Reservoir ... ..	...	...	...	L. Lyons, Esq., C.E. ...	5	1	0	590	...	59·88	219	182
M	Quernmore (Old Gauge Basin) ...	...	...	...	L. Lyons, Esq., C.E. ...	8	1	0	963	46·1	63·80	...	...
M	Quernmore (Hare Syke) ... ..	...	...	...	L. Lyons, Esq., C.E. ...	5	1	0	1610	...	79·00	...	...
6.—INSULAR. 4 sq. mi.													

6.—INSULAR. 4 sq. mi.

DIVISION IX—YORKSHIRE

WEST RIDING. (Area, 2,803 sq. mi.)

1.—LUNE. 178 sq. mi.									
D High Bentham (Inglefield) ...	Geoffrey Holmes, Esq. ...	5	1	0	412	...	51·52	216	170
D Sedbergh (Brigflatts) ...	The Misses Wilson ...	5	1	0	305	53·0	65·08	214	179
d Sedbergh School ...	H. Dawson, Esq. ...	5	1	0	400	...	61·27	219	183
2.—RIBBLE. 225 sq. mi.									
D Colne (Lower Coppy) ...	L. Broughton, Esq., C.E. ...	5	1	7	975	...	54·06	227	190
D Colne (Laneshaw Res.) ...	L. Broughton, Esq., C.E. ...	5	1	9	795	...	53·25	228	190
d Barnoldswick (Greenberfield, 1) ...	Docks & Inland Waterways	8	1	0	488	41·5	46·91	192	168
D Slaidburn (Hareden Fell) ...	E. C. Oakes, Esq., C.E. ...	8	1	2	1300	...	86·77	...	...
D Slaidburn (Hareden Valley) ...	E. C. Oakes, Esq., C.E. ...	8	1	2	563	68·3	83·19	250	202
Slaidburn (Langden Brook) ...	E. C. Oakes, Esq., C.E. ...	8	1	2	559	68·6	83·52	239	199
D Slaidburn (Holdron Moss) ...	E. C. Oakes, Esq., C.E. ...	8	1	2	1300	...	87·55	...	...
Slaidburn (Dunsop Houses) ...	G. McKay, Esq., C.E. ...	8	1	6	450	62·9	73·30	197	187
M Slaidburn (Middle Knoll) ...	G. McKay, Esq., C.E. ...	5	1	0	1288	67·5	74·44	...	...
D Slaidburn (Brennand) ...	G. McKay, Esq., C.E. ...	5	1	6	820	68·3	79·17	196	182
D Slaidburn (Croasdale House) ...	G. McKay, Esq., C.E. ...	8	1	6	600	51·0	64·98	191	177
D Slaidburn (Stocks) ...	No. 10 Fylde Water Board ...	5	1	0	658	...	67·20	228	202
D Slaidburn (Stocks) ...	No. 11 Fylde Water Board ...	5	1	0	629	...	68·72	229	203
d Slaidburn (Croasdale Valley) ...	G. McKay, Esq., C.E. ...	8	1	6	720	...	66·55	...	...
d Slaidburn (Whitendale) ...	G. McKay, Esq., C.E. ...	8	1	6	830	70·0	82·87	...	190
Slaidburn (Dalehead) ...	Fylde Water Board ...	5	1	0	610	...	66·78	...	...
M Slaidburn (Baxton Fell) ...	G. McKay, Esq., C.E. ...	5	1	0	1525	75·8	83·32	...	...
Settle (Bottoms) ...	Fylde Water Board ...	5	1	0	864	...	61·55	...	...
Settle (Catlow) ...	Fylde Water Board ...	5	1	0	827	...	72·93	...	...
Settle (Lamb Hill) ...	Fylde Water Board ...	5	1	0	1328	...	82·89	...	...
D Settle (Gas Works) ...	J. E. Ashworth, Esq. ...	8	2	6	450	43·9	51·57	207	164
D Giggleswick (Belfield) ...	E. H. Horner, Esq. ...	5	1	0	600	...	46·36	202	167

* Per Lancashire C.C. Land Drainage Engineer

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951			
		Diam.	Height of		Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more	
		in.	ft.	in.		ft.				in.	in.
WEST RIDING—(contd.).										
3.—MERSEY. Irwell. 2 sq. mi.										
D	Oldham (Strinesdale) ...	C. Busfield, Esq., C.E. ...	5	1	0	791	42·8	49·90	226	186
4.—MERSEY. UPPER. 35 sq. mi.										
	Greenfield (Chew, Blindstones) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	1745	...	67·37	...	...
	Greenfield (Chew Great Gruff) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	1650	...	64·79	...	...
D	Greenfield (Chew Mount) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	1578	50·7	67·39	247	211
w	Greenfield (Chew Reservoir) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	1648	...	68·37	...	...
	Greenfield (Chew Sluice) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	1670	...	67·61	...	...
D	Greenfield (Sewage Disposal Works) ...	Manager ...	5	1	1	499	42·0	50·44	230	184
D	Greenfield (Yeoman Hey) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	784	49·1	62·14	238	201
w	Greenfield (Birchen Clough) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	1018	51·4	62·98	...	...
w	Greenfield (Upperwood Moor) ...	M. T. B. Whitson, Esq., C.E. ...	5	1	0	1518	...	62·56	...	...
D	Saddleworth Station ...	Docks & Inland Waterways ...	5	1	0	574	45·4	57·69	222	191
D	Standedge (Cas. Shaw Broadhead) ...	C. Busfield, Esq., C.E. ...	8	1	0	857	51·5	62·11	263	217
D	Denshaw (C. E. School) ...	Head Teacher ...	8	1	1	870	...	57·52	222	192
D	Denshaw (Ox Hey) ...	C. Busfield, Esq., C.E. ...	8	1	0	1031	47·1	55·38	254	191
D	Denshaw (Crawshaw Hey) ...	C. Busfield, Esq., C.E. ...	8	1	0	956	47·0	54·41	254	192
D	Denshaw (New Year's Bridge) ...	C. Busfield, Esq., C.E. ...	8	1	0	986	...	52·39	254	191
5.—TRENT. Derwent. 9 sq. mi.										
D	Burbage (Parson's House) ...	Sheffield Corporation W.W. ...	8	1	0	1307	36·1	42·98	243	174
	Burbage (Higger Lodge) ...	Sheffield Corporation W.W. ...	5	1	0	1225	36·8	41·17	...	...
	§Burbage (Upper Burbage) ...	Sheffield Corporation W.W. ...	5	1	0	1364	38·1	44·12	...	...
M	Derwent Dale (Howden Dean) No. 72	Derwent Valley Water Bd. ...	5	1	0	960	...	55·29	...	...
M	§Derwent Dale (Howden Cl'gh) No. 64A	Derwent Valley Water Bd....	5	1	0	1010	44·4	56·63	...	...
M	§Derwent Dale (Sandy Lee) ...No. 7A	Derwent Valley Water Bd. ...	5	1	0	1320	...	65·70	...	...
6.—TRENT. Left Bank Tributaries. 143 sq. mi.										
D	Tickhill (Dadsley Road) ...	K. G. Brown, Esq. ...	5	1	0	60	...	26·26	189	123
D	Austerfield (Pumping Station)...	Doncaster & Tickhill W. Bd. ...	8	1	0	32	...	25·27	185	116
D	Rossington (Main Colliery) ...	National Coal Board ...	5	1	0	22	...	27·05	158	122
D	FINNINGLEY Airfield ...	(+A) Meteorological Office ...	5	1	1	32	...	24·46	179	113
D	Balby (Sewage Works) ...	(+A) M. Cawley, Esq., C.E. ...	5	1	0	29	...	26·82	172	128
D	Doncaster (Low Pasture P.S.)...	M. Cawley, Esq., C.E. ...	5	1	0	24	...	26·72	179	123
7.—OUSE. Don. 574 sq. mi.										
	Burbage (Badger House) ...	Sheffield Corporation W.W. ...	5	1	0	1138	...	41·92	...	...
D	Sheffield W.W. (Redmires Res.) (R)	Sheffield Corporation W.W. ...	10	5	0	1110	40·3	47·10	240	172
D	Sheffield W.W. (Redmires Res.) ...	Sheffield Corporation W.W. ...	5	1	0	1110	41·0	46·92	238	173
	Rivelin (Oaking Clough) ...	Sheffield Corporation W.W. ...	8	1	0	1160	39·8	47·89	...	...
	Rivelin (Oaking Clough) ... No. 2	Sheffield Corporation W.W. ...	5	1	0	1185	...	50·39	...	...
	Rivelin (Middle Moss) ...	Sheffield Corporation W.W. ...	5	1	0	1168	41·0	51·19	...	...
D	Sheffield W.W. (Rivelin) ...	(+A) Sheffield Corporation W.W. ...	8	1	6	564	35·2	42·86	209	157
	Sheffield W.W. (Black Clough) ...	Sheffield Corporation W.W. ...	5	1	0	1175	40·3	51·06	...	...
D	Sheffield W.W. (Crookes) ...	Sheffield Corporation W.W. ...	5	1	0	629	31·0	37·68	207	153
D	SHEFFIELD (Weston Park) ...	Borough Council ...	5	1	0	428	30·4	36·91	186	148
	Loxley Valley (Crawshaw Wood) ...	Sheffield Corporation W.W. ...	5	1	0	1175	...	46·40	...	...
	Loxley Valley (Broadcar) ...	Sheffield Corporation W.W. ...	5	1	0	1004	44·4	50·05	...	...
	Loxley Valley (Oakes Fm., Damflask)	Sheffield Corporation W.W. ...	5	1	0	650	36·1	43·33	...	...
	Loxley Valley (Loftshaw, Strines) ...	Sheffield Corporation W.W. ...	5	1	0	1011	43·2	47·11	...	...
D	Loxley Valley (Bradfield Filters) ...	Sheffield Corporation W.W. ...	8	1	0	551	...	43·20	230	160
D	Loxley Valley (Dale Dike Res.) ...	Sheffield Corporation W.W. ...	8	1	0	715	41·9	47·84	244	171
	Loxley Valley (Brogging Moss) ...	Sheffield Corporation W.W. ...	5	1	0	1360	...	58·82	...	...
	Loxley Valley (Thornseat) ...	Sheffield Corporation W.W. ...	5	1	0	1326	42·6	49·07	...	...
	Loxley Valley (Rocher Flat) ...	Sheffield Corporation W.W. ...	5	1	0	1106	...	43·99	...	...

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above Ground	Ground above Sea Level				.01 in. or more	.04 in. or more
WEST RIDING—(contd.).		in.	ft.	in.	ft.	in.	in.		
7.—OUSE. Don—(contd.).									
Loxley Valley (Emlin Moor) ...	Sheffield Corporation W.W.	5	1	0	998	41.3	49.42	...	...
§Loxley Valley (White Lee Moor) ...	Sheffield Corporation W.W.	5	1	0	1170	...	49.45	...	...
Loxley Valley (Hobson Moss) ...	Sheffield Corporation W.W.	5	1	0	1530	...	50.42	...	...
D Rotherham (Ulley Reservoir) ... No. 2	E. J. Manson, Esq., C.E. ...	5	1	0	184	23.4	27.99	158	122
D Rotherham (Ulley Reservoir) ... No. 3	E. J. Manson, Esq., C.E. ...	5	1	0	132	23.2	29.29	158	124
D Wincobank (Sewage Works) ...	J. H. Edmondson, Esq. ...	5	1	6	110	23.0	27.37	177	122
D ROTHERHAM (Broom Lane) ...	L. Atkinson, Esq. ...	5	1	0	284	...	27.71	187	135
D Rotherham (Herringthorpe) ...	G. S. Fellows, Esq. ...	5	0	9	213	...	26.16	176	124
D Rotherham (Ramsden Road) ...	H. V. Radcliffe, Esq. ...	5	1	0	180	...	26.47	164	129
D Rotherham (Kimberworth School) ...	E. J. Manson, Esq., C.E. ...	5	1	0	285	24.7	29.54	203	140
D Rotherham (Thrybergh) ...	M. Cawley, Esq., C.E. ...	8	1	0	184	23.8	28.34	189	140
D Conisborough (Firsby Reservoir) ...	M. Cawley, Esq., C.E. ...	8	1	3	189	26.1	29.79	188	134
§Ewden (Middle Moss) ...	Sheffield Corporation W.W.	5	1	0	1600	51.0	60.37	...	...
Ewden (Broomhead Moor) ...	Sheffield Corporation W.W.	5	1	0	1370	47.8	59.11	...	...
D Ewden (Canyard Brook) ...	Sheffield Corporation W.W.	5	1	0	585	...	47.89	222	164
Ewden (Candle Rush) ...	Sheffield Corporation W.W.	5	1	0	1400	...	63.18	...	...
Ewden (Broomhead Hall) ...	Sheffield Corporation W.W.	5	1	0	905	42.1	46.59	...	...
D Ewden (More Hall Reservoir) ...	Sheffield Corporation W.W.	8	1	0	408	33.9	41.18	216	158
D Ewden (Broomhead Res.) ...	Sheffield Corporation W.W.	5	1	0	484	...	45.40	219	158
Ewden (Margery Hill) ... No. 2	Sheffield Corporation W.W.	5	1	0	1784	52.3	64.12	...	...
Ewden (Brown Edge) ...	Sheffield Corporation W.W.	5	1	0	1325	50.5	60.91	...	...
Wentworth Woodhouse ...	Mr. A. Young ...	5	0	7	360	27.2	31.75	...	...
D Mexborough ...	Surveyor, U.D.C. ...	5	1	6	77	23.4	24.32	160	116
D Wortley (Service Reservoir) ...	W. G. Lees, Esq., C.E. ...	5	1	0	700	30.0	39.00	241	152
D Midhope Moor (Barnside) ...	W. G. Lees, Esq., C.E. ...	5	1	0	1000	43.4	57.74	233	175
Little Don Valley (Laund Clough) ...	Sheffield Corporation W.W.	5	1	0	1515	...	68.53	...	...
D Little Don Valley (Underbank Res.) ...	Sheffield Corporation W.W.	8	1	6	604	36.8	46.11	208	161
Little Don Valley (Brockholes) ...	Sheffield Corporation W.W.	5	1	0	902	37.6	46.61	...	...
Little Don Valley (Sheep House) ...	Sheffield Corporation W.W.	5	1	6	945	34.6	42.38	...	...
D Langsett Moor (Midhope) ...	W. G. Lees, Esq., C.E. ...	5	1	0	830	...	55.58	212	167
D Langsett Moor (Upper Midhope) ...	Sheffield Corporation W.W.	8	1	6	925	41.6	50.87	233	174
§Langsett Moor (Mickleden) ...	Sheffield Corporation W.W.	5	1	0	1217	48.0	65.01	...	...
Langsett Moor (Mickleden Edge) ...	Sheffield Corporation W.W.	5	1	0	1110	50.3	68.90	...	...
Langsett Moor (Catclough) ...	Sheffield Corporation W.W.	8	1	0	1516	47.8	69.86	...	...
§Langsett Moor (Fiddlers Green) ...	Sheffield Corporation W.W.	8	1	0	1493	48.7	66.80	...	...
Langsett Moor (Fiddlers G.) Check	Sheffield Corporation W.W.	5	1	0	1480	49.1	63.70	...	...
§Dunford Bridge (Woodland Clough) ...	D. E. Strachan, Esq., C.E. ...	5	1	0	1440	...	71.75	...	...
§Dunford Bridge (Brown's Cl'gh) No. 10	D. E. Strachan, Esq., C.E. ...	5	1	0	1405	...	74.90	...	...
Langsett Moor (Border Hill) ...	Sheffield Corporation W.W.	5	1	0	1148	46.9	57.34	...	...
D Langsett Moor (Swinden Lodge) ...	Sheffield Corporation W.W.	8	1	0	1032	44.0	55.61	244	182
Langsett Reservoir ... (+A)	Sheffield Corporation W.W.	5	1	0	820	...	50.32	206	166
D Langsett Moor (Flouch Road) ...	Sheffield Corporation W.W.	8	1	0	960	42.2	53.18	229	175
D Wath-upon-Deane (Wath Wood Res.)	Water Engineer ...	5	0	8	330	...	28.10	179	133
D Hoyland Nether (King Street) ...	Deane Valley Water Board	5	1	6	500	...	31.14	165	131
w §Hazehead (Town Brook Intake) ...	W. G. Lees, Esq., C.E. ...	5	1	0	1037	...	61.18	...	...
w §Dunford Bridge (Long Grain) ...	W. G. Lees, Esq., C.E. ...	5	1	0	1150	...	65.59	...	...
d §Wogden Foot (Cat Clough) ...	W. G. Lees, C.E. ...	5	1	0	889	...	59.99	...	...
D Doncaster (Pumping Station) ...	M. Cawley, Esq., C.E. ...	5	1	0	31	...	27.12	169	128
D Bolton-on-Deane (Goldthorpe) ...	Deane Valley Water Board	5	1	6	93	24.3	28.44	190	131
§Dunford Bridge (Dearden Moss) ...	D. E. Strachan, Esq., C.E. ...	5	1	0	1500	...	73.65	...	...
D Dunford Bridge (Stoney Gate) ...	D. E. Strachan, Esq., C.E. ...	5	1	0	1086	...	66.11	233	190
§Dunford Bridge (End Springs) ...	D. E. Strachan, Esq., C.E. ...	5	1	0	1450	...	73.50	...	...
D §Dunford Bridge Reservoir ...	D. E. Strachan, Esq., C.E. ...	5	1	0	1081	...	67.63	240	194
Dunford Bridge (Grains Plantations)	D. E. Strachan, Esq., C.E. ...	5	1	0	1150	...	63.70	...	...
§Dunford Bridge (Swines Clough Moss)	D. E. Strachan, Esq., C.E. ...	5	1	0	1503	...	77.60	...	...

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
		in.	ft.	in.	ft.	in.	in.		
WEST RIDING—(contd.).									
7.—OUSE. Don.—(contd.).									
D Wombwell (Broomhill W.W.)	... Dearne Valley Water Board	5	1	6	75	...	27·58	...	...
D §Dunford Bridge (Harden)	... D. E. Strachan, Esq., C.E.	5	1	0	1204	...	66·89	238	197
§Dunford Bridge (Reaps Slack)	... D. E. Strachan, Esq., C.E.	5	1	0	1490	...	74·75	...	...
D Barnsley (Worsborough Bridge)	... Engineer and Surveyor	5	1	6	150	...	33·10	222	139
D Darfield (Sewage Works)	... Surveyor	5	1	0	83	...	29·10	154	124
D §Penistone (Royd Moor)	... W. G. Lees, Esq., C.E.	5	1	0	835	...	46·83	232	163
M Penistone (Gringley Carr)	... W. G. Lees, Esq., C.E.	5	1	0	1090	...	52·45	...	...
D Penistone (Ingbirchworth Res.)	... W. G. Lees, Esq., C.E.	5	1	0	853	...	48·15	211	168
Penistone (Spicer House)	... W. G. Lees, Esq., C.E.	5	1	0	985	...	49·45	...	...
D §Penistone (Broadstone Res.)	... W. G. Lees, Esq., C.E.	5	1	0	1030	...	55·31	238	173
w Hepworth (Pottersgate House)	... W. G. Lees, Esq., C.E.	5	1	0	1165	...	52·40	...	...
d Barnsley (Queens Road)	... Borough Engineer	5	1	0	310	...	34·17	181	140
d Doncaster (Bentley Works)	... Research Engineer	5	1	0	29	...	26·17	134	106
D Barnsley (Jordan Hill)	... W. G. Lees, Esq., C.E.	5	1	0	460	26·2	30·85	183	130
D Doncaster (Sandall Works)	... M. Cawley, Esq., C.E.	5	1	0	41	...	25·88	176	124
D Bentley Colliery...	... National Coal Board	5	1	0	23	...	27·16	166	123
D Cawthorne (Cannon Hall)	... J. M. Spencer Stanhope, Esq.	5	0	7	350	29·1	40·67	193	146
D Barnsley (Burntwood Hall)	... R. Dymond, Esq.	5	1	0	378	25·9	33·00	177	134
D Kirk Bramwith	... C. E. Farran, Esq., C.E.	5	2	6	22	23·2	25·30	194	120
D Hemsworth (Fitzwilliam)	... Hemsworth & U.K. Coke Oven Co. Ltd.	5	1	6	246	24·0	29·41	177	127
D Rawcliffe (Black Drain P.S.)	... G. H. Simmons, Esq.	5	0	10	10	...	26·34	169	112
D Goole	... Docks & Inland Waterways	5	1	0	18	22·9	29·43	198	121
8.—OUSE. Aire. Calder. 361 sq. mi.									
D Great Hey	... H. P. Joyce, Esq., C.E.	5	1	0	1200	...	82·51	239	207
D Hey Springs	... H. P. Joyce, Esq., C.E.	5	1	0	1100	...	76·86	239	200
D Holmbridge (Yateholme)	... H. P. Joyce, Esq., C.E.	5	1	0	1009	59·2	75·01	239	199
D Holmbridge (Ramsden)	... H. P. Joyce, Esq., C.E.	5	1	0	861	56·4	72·38	239	200
Holmbridge (Bilberry Res.)	... J. P. Beveridge, Esq., C.E.	5	1	0	970	...	66·10	...	...
D Holmfirth (Holm Styes Reservoir)	... Water Engineer	5	2	0	925	45·7	55·01	230	160
Holmfirth (Boshaw Whams Res.)	... J. P. Beveridge, Esq., C.E.	5	1	0	930	...	55·02	...	...
§Hepworth (Spring Head) (A)	... W. G. Lees, Esq., C.E.	5	1	0	1165	...	51·75	...	...
d Holmfirth (Snape Res.)	... Water Engineer	5	2	0	1075	...	55·45	...	...
Meltham (Harden Moss)	... J. P. Beveridge, Esq., C.E.	8	1	0	1212	...	64·77	...	...
Wessenden Head	... J. P. Beveridge, Esq., C.E.	8	1	0	1200	...	65·60	...	...
Wessenden (Holly Bank Moss)	... J. P. Beveridge, Esq., C.E.	8	1	0	1280	...	67·43	...	...
Wessenden (Old Reservoir)	... J. P. Beveridge, Esq., C.E.	8	1	0	940	...	63·89	...	...
d Stanedge (Redbrook Res.)	... Docks & Inland Waterways	5	1	0	1150	...	59·62	...	...
Wessenden (Butterley Moss)	... J. P. Beveridge, Esq., C.E.	8	1	0	1110	...	62·75	...	...
§Wessenden (Bobus)	... J. P. Beveridge, Esq., C.E.	8	1	0	1200	...	60·08	...	...
Meltham (Brow Grains)	... J. P. Beveridge, Esq., C.E.	8	1	0	900	45·0	59·34	...	...
d Meltham (Royd Edge)	... United Thread Mills, Ltd.	8	1	3	585	48·3	64·93	...	...
Meltham Grange	... J. P. Beveridge, Esq., C.E.	8	1	0	850	42·9	55·65	247	179
D *Marsden Reservoir	... Docks & Inland Waterways	5	1	0	657	50·5	66·33	222	196
Marsden (Deerhill)	... J. P. Beveridge, Esq., C.E.	8	1	0	1149	45·0	59·43	259	189
D Slaithwaite (Blackmoorfoot)	... J. P. Beveridge, Esq., C.E.	8	1	0	800	43·1	52·39	246	174
Slaithwaite (Deanhead Res.)	... J. P. Beveridge, Esq., C.E.	5	1	0	1007	...	60·02	...	...
D HUDDERSFIELD (RAVENSKNOWLE)	... Corporation	8	1	0	325	...	38·56	193	149
D HUDDERSFIELD (OAKES)	... S. Morris Bower, Esq.	5	1	0	761	34·9	46·83	236	172
w Moss Moor (Linsgreave)	... Wakefield Corpn. W.W.	5	1	0	1264	52·3	61·77	...	...
D Rishworth (Great Walden Edge)	... Wakefield Corpn. W.W.	5	1	0	1135	49·3	61·21	260	195
w Rishworth (Long Clough)	... Wakefield Corpn. W.W.	5	1	0	1000	52·8	64·00	...	...
w Rishworth (Stott Hall)	... Wakefield Corpn. W.W.	5	1	0	935	46·8	57·92	...	...
D §Rishworth Lodge	... Wakefield Corpn. W.W.	5	0	11	950	...	57·40	240	189

* Gauge on a steep bank.

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
WEST RIDING—(contd.).									
8.—OUSE.—(contd.).									
w Rishworth (Lodge Hole) ...	Wakefield Corpn. W.W. ...	5	1	0	1450	...	64.11	...	...
w Rishworth (Pike End) ...	Wakefield Corpn. W.W. ...	5	1	0	1225	48.3	59.28	...	...
D Rishworth (Ringstone Res.) (lower)	Wakefield Corpn. W.W. ...	5	1	0	962	46.9	58.17	235	186
w Soyland Moor (Greystones) ...	Wakefield Corpn. W.W. ...	5	1	4	1192	52.6	60.75	...	...
D Soyland Moor (Rishworth Drain) ...	C. Busfield, Esq., C.E. ...	8	1	0	1301	52.9	58.54	250	196
w Soyland Moor (Waystone Drain) ...	Wakefield Corpn. W.W. ...	5	0	11	1206	...	64.03	...	...
D Soyland Moor (Stansfield Hey) ...	Wakefield Corpn. W.W. ...	5	1	0	700	43.3	51.52	229	174
w Soyland Moor (Baitings) ...	Wakefield Corpn. W.W. ...	5	1	0	943	51.4	58.39	...	...
D Soyland Moor (Byron Edge) ...	C. Busfield, Esq., C.E. ...	8	1	0	1251	48.3	59.30	250	192
w Soyland Moor (Manshead) ...	Wakefield Corpn. W.W. ...	5	1	0	1225	51.6	59.88	...	...
D Walsden (White Holme) ...	C. Busfield, Esq., C.E. ...	8	1	0	1240	...	57.92	250	187
D §Walsden (Calf Lee) ...	Rochdale Corporation ...	8	1	0	960	...	60.84	229	184
D Walsden (Warland Drain) ...	Rochdale Corporation ...	8	1	0	1250	51.9	64.48	226	187
d Horbury (Town Hall) ...	E. F. Richley, Esq. ...	5	1	6	250	23.3	31.08	...	128
D Wakefield (Sewage Works) ...	Yorkshire Ouse River Bd. ...	5	1	0	80	...	32.78	196	135
D WAKEFIELD (Clarence Park) ...	Corporation ...	5	1	0	115	25.4	32.00	177	131
D Normanton (Haw Hill Park) ...	Surveyor U.D.C. ...	8	1	1	136	23.3	31.36	207	134
w Walsden (Ramsden Hill) ...	Rochdale Corporation ...	5	1	0	1326	52.0	62.73	...	...
D Todmorden (Gorpley Res.) ...	Borough Engineer ...	5	1	3	900	...	66.92	232	184
D Todmorden (Fielden Hospital) ...	L. A. Crabtree, Esq. ...	5	1	0	650	...	59.88	237	170
D Todmorden (Lower Laith) ...	D. A. Lord, Esq., F.R.Met.S. ...	5	1	0	500	...	60.47	251	185
D Todmorden (Sourhall Hospital) ...	L. A. Crabtree, Esq. ...	5	1	0	1020	53.8	62.44	240	202
d Halifax (Public Library) ...	Librarian ...	8	1	0	625	34.3	42.88	...	...
D †Dewsbury (Mitchell Laithes Sew. Wks.)	Manager ...	5	1	0	115	...	33.35	190	128
D Dewsbury (Municipal Offices) (+A)	Borough Engineer ...	5	1	6	225	...	34.10	173	126
D Dewsbury (Crow Nest Park) ...	Superintendent of Parks ...	8	1	0	300	...	37.51	201	154
D Heckmondwike (The Bottoms) ...	Spenborough U.D.C. ...	5	1	0	165	...	36.15	189	133
D Batley (Staincliffe Reservoir) ...	H. P. Joyce, Esq., C.E. ...	5	1	0	492	25.3	34.72	190	139
D Ardsley (Jaw Hill Filters) ...	Wakefield Corpn. W.W. ...	5	1	0	315	25.8	33.17	171	141
D Ardsley Reservoir (Upper) ...	Wakefield Corpn. W.W. ...	5	1	2	395	25.4	32.96	196	139
D Halifax W.W. (Albert Res.) ...	A. C. Wildsmith, Esq., C.E. ...	5	1	0	795	35.3	44.73	222	167
D Halifax W.W. (Gibbet Res.) ...	A. C. Wildsmith, Esq., C.E. ...	5	1	0	565	34.6	45.36	219	166
D Todmorden (Eastwood Sew. Wks.) ...	Manager ...	5	1	0	368	...	59.03	228	177
D Mytholmroyd (Redacre) ...	C. H. Brock, Esq. ...	5	1	0	315	...	50.83	222	166
D Halifax W.W. (Ramsden Wood) ...	A. C. Wildsmith, Esq., C.E. ...	5	1	0	815	38.3	51.25	216	174
D §Halifax W.W. (Castle Carr Lodge) ...	A. C. Wildsmith, Esq., C.E. ...	5	1	0	1060	42.6	51.37	214	171
w §Halifax W.W. (Gorple Res.) ... No. 2	A. C. Wildsmith, Esq., C.E. ...	5	1	0	1275	...	67.03	...	...
w Halifax W.W. (Coppay) ...	A. C. Wildsmith, Esq., C.E. ...	5	1	0	1141	...	62.54	...	...
w Halifax W.W. (Midgley Moor) ...	A. C. Wildsmith, Esq., C.E. ...	8	1	0	1350	44.3	57.21	...	...
w §Halifax W.W. (Gorple Res.) ... No. 3	A. C. Wildsmith, Esq., C.E. ...	5	1	0	1160	...	61.05	...	...
w Halifax W.W. (Warley Moor) ...	A. C. Wildsmith, Esq., C.E. ...	8	1	0	1325	43.0	58.64	...	...
D Halifax W.W. (Ogden) ...	A. C. Wildsmith, Esq., C.E. ...	5	1	0	990	...	49.96	227	174
w Halifax W.W. (Ovenden Moor) ...	A. C. Wildsmith, Esq., C.E. ...	8	1	0	1375	41.8	53.34	...	...
D §Halifax W.W. (Gorple Res.) ...	A. C. Wildsmith, Esq., C.E. ...	8	1	0	1028	...	59.80	248	192
w Halifax W.W. (Widdop Res.) No. 4	A. C. Wildsmith, Esq., C.E. ...	5	1	0	1060	...	63.49	...	...
D §Halifax W.W. (Widdop Res.) No. 2	A. C. Wildsmith, Esq., C.E. ...	5	1	0	1065	...	64.35	256	200
w §Halifax W.W. (Widdop Res.) No. 3	A. C. Wildsmith, Esq., C.E. ...	5	1	0	1060	...	59.53	...	...
D §Halifax W.W. (Walshaw Dean Lodge)	A. C. Wildsmith, Esq., C.E. ...	5	1	0	1040	48.1	61.50	236	186
w §Halifax W.W. (Walshaw Dean) No. 3	A. C. Wildsmith, Esq., C.E. ...	5	1	0	1180	...	60.74	...	...
w Halifax W.W. (Widdop Res.)... No. 5	A. C. Wildsmith, Esq., C.E. ...	5	1	0	1280	...	67.62	...	...
w §Halifax W.W. (Walshaw Dean) No. 4	A. C. Wildsmith, Esq., C.E. ...	5	1	0	1425	...	58.93	...	...
9.—OUSE. Aire. 504 sq. mi.									
D PONTEFRAC (The King's School) ...	Headmaster ...	5	1	0	255	23.3	26.78	196	120
D Pontefract (Roall W.W.) ...	A. F. Richmond, Esq., C.E. ...	8	1	0	42	23.0	28.99	176	125

† Exposure unorthodox.

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·01 in. or more
WEST RIDING—(contd.).		in.	ft.	in.	ft.	in.	in.		
9.—OUSE. Aire—(contd.).									
D Goole (Sewage Pumping Station) ...	Borough Engineer ...	5	1	0	10	...	27·64	171	121
D Rothwell (Lemonroyd Sew. Wks.) ...	Rothwell U.D.C. ...	5	1	0	64	...	34·38	189	133
D Selby (Brayton Barff Waterworks) ...	Waterworks Engineer ...	8	1	0	173	...	30·82	173	129
Bradford (Brayshaw Reservoir) ...	Waterworks Engineer ...	5	1	0	982	36·5	45·82	...	...
D Bradford (Bowling Cemetery)... (+A)	City Surveyor ...	5	1	0	600	...	42·31	201	156
D Bradford (Shearbridge Depot) (+A)	City Surveyor ...	5	1	0	400	...	42·12	194	155
d Bradford (Horton Park) ...	City Surveyor ...	5	1	0	597	...	43·14	177	158
D Bradford (Thornton Cemetery) ...	City Surveyor ...	5	1	0	1003	...	45·52	205	159
D Bradford (Peel Park) ...	City Surveyor ...	5	1	0	450	...	40·97	205	152
D BRADFORD (Lister Park) ...	Corporation ...	8	1	0	439	33·9	41·42	200	150
D Bradford (Thornton Moor Filters) ...	Waterworks Engineer ...	5	1	0	1190	44·3	56·05	251	183
D Bradford (Stubden Res.) ... No. 8	Waterworks Engineer ...	5	1	0	1071	44·9	59·34	241	180
M Bradford (Nan Scar, Oxenhope) ...	Waterworks Engineer ...	5	1	0	1101	...	58·27	...	...
M Bradford (Stairs Top, Oxenhope) ...	Waterworks Engineer ...	5	1	0	1360	52·4	60·03	...	...
D Bradford (Leeming Reservoir) ...	Waterworks Engineer ...	5	1	0	850	...	54·84	224	184
D Bradford (Doe Park Reservoir) ...	Waterworks Engineer ...	5	1	0	754	...	50·29	214	168
D Bradford (Leeshaw Res.) ...	Waterworks Engineer ...	5	1	0	875	47·3	63·30	253	188
Bradford (Chellow Dean Res.) ...	Waterworks Engineer ...	5	1	0	645	34·5	43·05	...	...
D Bradford (Chellow Heights Res.) ...	Waterworks Engineer ...	5	1	0	848	...	40·76	202	159
D Bradford (Hewenden Reservoir) ...	Waterworks Engineer ...	5	1	0	707	...	50·82	222	167
D Bradford (Heaton Reservoir) ...	Waterworks Engineer ...	5	1	0	531	...	41·48	197	154
D Leeds (Farnley Hall) ... (+A)	City Engineer ...	5	1	0	405	...	35·45	175	141
Leeds (Wortley Reservoir) ...	K. L. Forster, Esq., C.E. ...	8	0	9	307	28·1	32·72	170	142
Leeds (Knostrop) ...	K. L. Forster, Esq., C.E. ...	8	0	9	75	24·0	33·04	189	133
D Leeds (Civic Hall) ... (+A)	City Engineer ...	5	1	0	193	...	32·45	174	130
Leeds (Woodhouse Moor) ...	K. L. Forster, Esq., C.E. ...	8	1	0	307	26·7	33·62	165	136
D Seacroft (Leeds City Hospital) ...	Medical Superintendent ...	8	1	0	235	29·3	36·52	168	133
D Leeds (Chapel Allerton) ...	E. J. Tibbs, Esq. ...	5	1	0	425	...	36·49	187	140
D Leeds (Weetwood Filter Beds) (+A)	City Engineer ...	8	1	0	328	27·5	37·94	187	138
D Leeds (Roundhay Park) ... (+A)	City Engineer ...	5	1	0	425	...	37·49	204	142
D Haworth (Harbour Lodge) ...	G. E. V. Boldry, Esq., C.E. ...	8	1	0	1165	52·5	59·04	227	195
D Haworth (Lower Laithe Res.)... (+A)	G. E. V. Boldry, Esq., C.E. ...	6	1	0	772	48·1	56·25	219	171
D §Oakworth (Oldfield Filters) ... No. 2	G. E. V. Boldry, Esq., C.E. ...	5	1	0	978	...	53·85	224	181
M §Oakworth (Keighley Moor) ...	G. E. V. Boldry, Esq., C.E. ...	5	1	0	1300	...	60·13	...	...
M §Oakworth (Clough Hey) ...	G. E. V. Boldry, Esq., C.E. ...	5	1	0	1075	...	57·16	...	...
W Oakworth (Newsholme Dean) ...	G. E. V. Boldry, Esq., C.E. ...	5	1	0	675	...	51·09	...	...
M §Oakworth (Keighley Moor) ... No. 2	G. E. V. Boldry, Esq., C.E. ...	5	1	0	1025	...	58·16	...	...
D BINGLEY (St. Ives Research Stn.) ...	Director ...	8	1	0	610	...	41·03	197	151
D §Bingley (Gilstead Filters) ...	Engineer, Bradford W.W. ...	5	1	0	572	...	40·49	200	160
D Baildon (Weecher Reservoir) ...	Surveyor & W.W. Engineer ...	5	1	0	825	...	38·20	226	164
D Adel (Lawns Wood Cemetery) ...	W. R. Pearson, Esq. ...	5	1	1	470	...	38·80	190	140
D Keighley (The Knowle) ...	P. Clough, Esq. ...	5	1	0	390	...	43·10	191	169
D Keighley (Hard Ings Lane) ...	Medical Officer of Health ...	5	0	10	304	35·7	41·78	202	157
Bingley (Sunnydale Res.) ...	Engineer, Bradford W.W. ...	5	1	0	825	33·1	38·82	...	...
d Salterforth (Barnoldswick W.W.) ...	Barnoldswick U.D.C. ...	8	1	4	832	46·6	57·95	...	...
D Earby (Sewage Works)... (+A)	Surveyor ...	5	1	9	426	39·3	48·70	214	169
M Silsden (Gill Grange) ...	Engineer, Bradford W.W. ...	5	1	0	883	30·8	37·12	...	...
D Silsden Reservoir ...	Engineer, Bradford W.W. ...	5	1	0	560	...	38·77	209	159
M Silsden (Cringles Res. Site) ...	Engineer, Bradford W.W. ...	5	1	0	715	31·3	37·85	...	...
D Elslack (Stories Farm) ...	Barnoldswick U.D.C. ...	5	0	7	675	...	48·68	224	168
D Skipton (Town Hall) ... (+A)	K. B. Robinson, Esq. ...	8	1	2	367	33·5	41·15	216	164
d Gargrave (Banks Hill Bank) ...	Docks & Inland Waterways ...	8	1	0	545	35·5	38·37	...	...
Winterburn (Long Hill) ...	Docks & Inland Waterways ...	8	1	0	705	37·8	46·50	199	175
W Winterburn (Brown Hill) ...	Docks & Inland Waterways ...	8	1	0	961	42·8	46·73	...	...
D Settle (MALHAM TARN) ...	C. Promotion Field Studies ...	5	1	0	1297	...	60·83	235	188

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			above	Sea	Level			or	or
			Ground	Level				more	more
WEST RIDING—(contd.).		in.	ft.	in.	ft.	in.	in.		
10.—OUSE. Wharfe. 408 sq. mi.									
D CHURCH FENTON Airfield ... (+A)	Meteorological Office ...	8	1	0	27	...	31·11	179	132
Adel (Eccup, East) ...	K. L. Forster, Esq., C.E. ...	5	0	9	375	29·3	40·32	197	145
Harewood (Arthington) ...	K. L. Forster, Esq., C.E. ...	8	0	9	139	32·0	36·97	194	137
D Harewood House ...	The Earl of Harewood ...	5	0	10	300	29·7	38·74	168	126
D Otley (Sewage Works) ...	J. A. A. Pratt, Esq., C.E. ...	5	1	7	172	...	36·38	178	140
D ILKLEY (Spence's Garden) ...	Engineer & Surveyor ...	5	1	0	315	35·1	41·85	207	156
D ASKHAM BRYAN... ..	Yorkshire Inst. of Agriculture ...	5	1	0	90	...	34·58	188	133
Leathley (Lindley Woods) ...	K. L. Forster, Esq., C.E. ...	8	0	9	312	31·6	38·54	208	155
D Ilkley (March Ghyll Res.) ...	J. A. A. Pratt, Esq., C.E. ...	5	1	0	705	34·0	33·39	170	152
D York (Bishopthorpe Road) ...	J. Terry & Sons, Ltd. ...	5	1	0	51	...	29·87	157	128
D York (Acomb Landing) ...	York Waterworks Co. ...	5	1	0	40	22·6	30·87	179	127
M Skipton (Counter Hill) ...	Engineer, Bradford W.W. ...	5	1	0	951	30·2	37·52	...	...
D Skipton (Chelker Reservoir) ...	Engineer, Bradford W.W. ...	5	1	0	730	32·9	38·76	215	168
D Beamsley (Overdale) ...	Mrs. A. Downs ...	5	1	0	425	...	41·18	171	152
Fewston (Timble Ings) ...	K. L. Forster, Esq., C.E. ...	5	0	9	912	35·5	49·95	215	174
Fewston (Swinsty, East) ...	K. L. Forster, Esq., C.E. ...	8	0	9	460	34·4	42·35	205	157
Fewston, North ...	K. L. Forster, Esq., C.E. ...	8	0	9	525	...	42·14	216	161
Fewston (Blubberhouses) ...	K. L. Forster, Esq., C.E. ...	8	0	9	575	37·1	45·81	229	172
D Bolton Abbey (Estate Office) ...	E. E. Hey, Esq. ...	5	1	2	368	36·3	42·35	196	168
Rocking Moor (Spittle Ings) ...	K. L. Forster, Esq., C.E. ...	5	...	...	967	...	48·76	197	173
Thruscross (Lane Head) ...	K. L. Forster, Esq., C.E. ...	5	0	9	950	...	45·68	179	163
Braithwaite Moor (High House) ...	K. L. Forster, Esq., C.E. ...	5	...	...	1068	...	52·55	200	168
D Grimwith Reservoir ...	Engineer, Bradford W.W. ...	5	1	0	884	43·9	51·40	232	173
M Grimwith (Trunla Hill) ...	Engineer, Bradford W.W. ...	5	1	0	1201	...	55·20	...	...
D Oughtershaw ...	Mr. T. White ...	5	1	0	1117	...	75·80	219	185
11.—OUSE. Nidd. 254 sq. mi.									
D Wetherby (Stockeld Park) ...	C. E. Johnson, Esq. ...	5	1	2	200	25·8	34·10	167	133
D Spofforth (Sewage Works) ...	Harrogate Corporation ...	5	1	0	181	27·0	36·56	209	146
M Harrogate W.W. (Ling Cottage) ...	Water Engineer, Harrogate ...	5	1	0	740	33·4	40·89	...	...
M Harrogate W.W. (Broad Dubb) ...	Water Engineer, Harrogate ...	5	1	0	725	34·1	40·47	...	...
M Harrogate W.W. (Cobblers Cottage)...	Water Engineer, Harrogate ...	8	1	0	730	33·5	40·25	...	...
D Harrogate W.W. (Ten Acres Res.) ...	Water Engineer, Harrogate ...	8	1	6	620	34·9	41·65	227	161
D Harrogate W.W. (Scargill Res.) ...	Water Engineer, Harrogate ...	8	1	0	646	34·8	41·88	219	155
D Harrogate W.W. (Beaver Dyke Res.)	Water Engineer, Harrogate ...	8	1	0	575	34·1	38·06	210	144
M Harrogate W.W. (John O'Gaunt's) ...	Water Engineer, Harrogate ...	8	1	0	600	33·8	39·19	...	...
M §Harrogate W.W. (Long Stoop) ...	Water Engineer, Harrogate ...	5	1	0	700	33·8	41·75	...	...
M Harrogate W.W. (Knabb's Moor) ...	Water Engineer, Harrogate ...	5	1	0	700	32·5	41·68	...	...
D HARROGATE (Harlow Moor Obsy.) ...	Corporation ...	5	1	0	478	30·6	38·27	187	139
D Harrogate (Harlow Hill Res.) ...	Water Engineer, Harrogate ...	8	1	0	549	...	42·78	193	143
D Harrogate (Irongatebridge Res.) ...	Water Engineer, Harrogate ...	8	1	6	455	29·3	39·52	195	148
d Knaresborough (Water Tower) ...	Water Engineer, Harrogate ...	8	1	0	240	27·1	35·42	...	135
D Harrogate (Bilton Sewage Works) ...	Corporation ...	5	1	0	208	28·5	39·61	189	151
d Birstwith Hall ...	Sir Cecil W. Aykroyd, Bart. ...	5	1	0	325	34·4	45·00	...	160
D Pateley Bridge (Low Laithe) ...	A. Y. Barker, Esq. ...	5	1	6	380	...	46·60	201	158
Ramsgill (Holme Ho., Gouthwaite) ...	Engineer, Bradford W.W. ...	5	1	0	464	39·9	50·77	...	...
D Ramsgill (Raygill House) ...	Engineer, Bradford W.W. ...	5	1	0	925	46·7	58·21	197	178
D Ramsgill ...	Engineer, Bradford W.W. ...	5	1	0	450	42·1	52·51	199	161
M Nidderdale (East Gill Head) ...	Engineer, Bradford W.W. ...	5	1	0	1710	57·6	71·80	...	...
M Nidderdale (Rain Stang) ...	Engineer, Bradford W.W. ...	5	1	0	1470	47·4	65·16	...	...
M Nidderdale (New Houses) ...	Engineer, Bradford W.W. ...	5	1	0	755	45·8	59·04	...	...
D Nidderdale (West Houses) ...	Engineer, Bradford W.W. ...	5	1	0	1165	52·5	68·41	230	182
D Scar House Reservoir ...	Engineer, Bradford W.W. ...	5	1	0	1085	...	61·32	233	174

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS		AUTHORITIES		Rain-gauge				Average Rain- fall	1951			
				Diam.	Height of		Ground above Sea Level		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more	
				in.	ft.	in.		ft.				in.	in.
WEST RIDING—(contd.).												
12.—OUSE. Ure. 110 sq. mi.												
D	Burton Leonard	...	B. Coore, Esq.	...	5	1	0	290	...	36·10	192	142
	Pately Bridge (Skell Beck)	...	Water Engineer, Harrogate	...	5	1	0	900	...	53·33	...	...
D	Ripon (Wynhaven)	...	J. H. Abbott, Esq.	...	5	1	0	164	...	37·80	201	140
	Dallow Moor (Harper Hill)	...	K. L. Forster, Esq., C.E.	...	8	0	9	819	...	(44·03)	...	...
D	Ripon (Grammar School)	...	Headmaster	...	5	1	0	150	...	32·95	191	134
	Kirkby Malzeard (Drovers' Inn)	...	K. L. Forster, Esq., C.E.	...	8	0	9	576	36·0	45·06	203	157
	Kirkby Malzeard (Hawsett)	...	K. L. Forster, Esq., C.E.	...	5	0	9	820	37·1	45·81	195	152
w	Kirkby Malzeard (Hambleton Hill)	...	K. L. Forster, Esq., C.E.	...	8	0	9	1106	39·7	47·76	...	...
	Kirkby Malzeard (Bagwith Brae)	...	K. L. Forster, Esq., C.E.	...	5	0	9	703	32·9	44·38	...	157
w	Kirkby M. (Stone & Ears Wham)	...	K. L. Forster, Esq., C.E.	...	8	0	9	1118	39·7	45·17	...	...
EAST RIDING. (Area, 1,176 sq. mi.)												
1.—OUSE. Left Bank Tributaries. 82 sq. mi.												
D	York (The Retreat)	...	Secretary	...	5	1	0	60	...	33·05	181	130
2.—OUSE. Derwent. 248 sq. mi.												
D	Birdsall Gardens	...	Mr. J. Anderson	...	5	1	2	308	29·2	36·95	187	148
	Rillington (Scampston Hall)	...	Mr. F. Ironside*	...	5	1	6	102	27·1	31·13	170	122
D	Ganton (Golf Club)	...	Secretary	...	5	1	2	100	...	35·15	190	127
D	Ganton (Ganton Hall)	...	E. W. Wrigley, Esq.	...	5	1	0	250	27·5	34·72	191	119
3.—HUMBER. Left Bank Tributaries. 675 sq. mi.												
D	§SPURN HEAD (R.N. Signal Station)	...	Chief Officer, for M.O.	...	5	1	0	29	22·7	26·79	158	124
P	Hessle (Sandford)	...	Lieut. C.S. Sherwood, R.N.V.R.	...	5	1	0	90	...	28·46	187	116
D	HULL (Pearson Park)	...	Gen. Superintendent	...	5	0	10	8	25·4	27·74	183	117
D	Hull (Springhead)	...	Hull Waterworks	...	5	1	0	14	25·5	26·88	151	109
D	Burton Pidsea (The Nurseries)	...	C. Bromby, Esq.	...	5	1	0	8	...	26·65	178	116
M	Skidby (Rowley Rectory)	...	Rev. D. C. Urquhart	...	5	1	0	344	...	(26·11)	...	...
D	Cottingham (Dunswell P.S.)	...	Hull Waterworks	...	5	1	0	6	...	28·88	166	110
D	Holme-on-Spalding Moor (Vicarage)	...	Rev. W. L. Shepherd	...	8	1	0	30	23·6	27·71	169	127
d	Beverley (Broadgate Hospital)	...	Medical Superintendent	...	5	1	0	175	26·5	28·64	...	119
D	Beverley (Gas Works)	...	Engineer	...	5	1	0	21	...	29·04	152	116
D	Beverley (Hull Bridge)	...	Hull & E. Yorks River Bd.	...	5	2	6	11	24·9	29·35	163	130
D	Market Weighton (Dalton Holme)	...	W. F. Cullen, Esq.	...	8	6	6	120	27·3	32·96	167	141
D	Brandesburton (Hempholme Lock)	...	Hull & E. Yorks River Bd.	...	5	2	6	11	24·6	30·85	152	116
D	Hutton Cranswick (The Vicarage)	...	Rev. G. Storer	...	5	1	0	79	...	29·86	173	126
D	DRIFFIELD Airfield	...	Meteorological Office	...	5	1	0	69	...	31·56	174	127
D	Fridaythorpe School	...	Head Teacher	...	5	1	0	574	...	32·26	196	129
D	Lowthorpe (The Elms)	...	J. Tate, Esq.	...	5	1	0	63	26·5	31·91	186	129
d	Langtoft School	...	G. W. E. Ogden, Esq.	...	5	1	0	250	...	35·56	...	118
4.—EAST COAST STREAMS. 171 sq. mi.												
D	Withernsea (High School)	...	E. Brown, Esq.	...	5	1	0	28	...	26·08	198	113
D	Hornsea (Town Hall)	...	Hornsea U.D.C.	...	5	1	0	12	...	27·07	165	116
D	Burton Agnes (Pumping Station)	...	H. South, Esq., C.E.	...	5	1	0	52	...	29·81	180	122
D	Bridlington (Corpn. Nurseries)	...	Parks Superintendent	...	8	1	0	60	25·6	31·81	244	128
D	Bridlington (Mill Lane)	...	H. South, Esq., C.E.	...	5	1	0	140	...	30·89	174	119
D	Weaverthorpe (The School House)	...	H. Wilkinson, Esq.	...	5	1	0	270	...	38·34	175	127
M	Ganton (Willerby Wold)	...	Major W. F. Wormald	...	5	1	2	565	...	34·29	...	...
D	Filey (Rosedale Reservoir)	...	Water Engineer	...	5	1	0	197	...	32·06	168	120
D	Filey (Pumping Station)	...	Water Engineer	...	5	1	0	123	...	28·02	162	108

* Per Yorkshire Ouse River Board.

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground above Sea Level		Rain-fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.		ft.				in.	in.
NORTH RIDING. (Area, 2,155 sq. mi.).									
1.—OUSE. Ure. 273 sq. mi.									
M	Masham Moor (Arnagill Beck W.) ... Water Engineer, Harrogate	5	1	0	1210	41·6	56·53	...	...
M	Masham Moor (Arnagill Beck E.) ... Water Engineer, Harrogate	5	1	0	1150	39·5	54·54	...	...
M	Masham Moor (Low Ash Head) ... Water Engineer, Harrogate	5	1	0	845	40·7	57·98	...	...
M	Masham Moor (Agill Head) ... Water Engineer, Harrogate	5	1	0	1380	43·4	59·75	...	...
D	Masham Moor (Roundhill Res.) ... Water Engineer, Harrogate	8	1	0	743	37·6	50·35	229	166
D	Roundhill Reservoir No. 2 ... Water Engineer, Harrogate	8	1	0	925	38·8	54·79	222	174
W	Masham Moor (High Sour Mire) ... K. L. Forster, Esq., C.E. ...	5	0	9	884	...	51·12	...	...
	Masham Moor (Leighton Res.) ... K. L. Forster, Esq., C.E. ...	5	0	9	634	35·9	48·70	210	158
	Masham Moor (Towler Hill) ... K. L. Forster, Esq., C.E. ...	8	0	9	820	36·7	50·23	211	163
	Masham Moor (Breary Bank) ... K. L. Forster, Esq., C.E. ...	5	0	9	600	36·8	49·10	209	158
	Masham Moor (Healey Pasture) ... K. L. Forster, Esq., C.E. ...	5	0	9	620	36·1	49·27	209	158
	Masham Moor (Low Houses) ... K. L. Forster, Esq., C.E. ...	5	0	9	693	37·9	52·34	216	173
D	Leyburn (Spennithorne) ... F. M. Curtis, Esq., F.R.Met.S.	5	1	0	358	29·9	41·22	212	140
D	Leyburn (Bolton Hall) ... Head Gardener ...	5	1	0	420	32·6	46·17	202	159
D	Askrigg (Yorebridge Gram. School) ... F. E. Chevins, Esq....	5	1	0	670	...	45·81	201	160
d	Hawes Junction (Moorland Cottage) Mr. W. Ireland ...	5	1	6	1125	...	75·74	221	194
2.—OUSE. Swale. 569 sq. mi.									
d	Coxwold (The Old Hall) ... L. Geipel, Esq. ...	5	1	6	260	26·1	37·60	...	...
D	Thirsk (Topcliffe Airfield) ... (+A) Meteorological Office ...	5	1	0	81	...	32·41	181	136
D	Thirsk (Ashton House) ... Mrs. F. E. Walker ...	5	1	6	112	...	34·08	186	140
D	Thirsk (Sowerby) ... Mrs. M. Brown ...	5	1	0	110	24·7	34·22	190	147
D	Thirsk (South Villa) ... B. Foggitt, Esq. ...	5	1	0	115	24·7	35·24	193	141
M	Felixkirk (Thirlby) ... A. J. Walker, Esq. ...	5	1	0	315	27·1	36·72	...	...
D	Felixkirk (Mount St. John) ... A. J. Walker, Esq. ...	5	1	0	540	...	35·75	197	143
D	Felixkirk (Mount St. John) ... (+A) A. J. Walker, Esq. ...	5	1	0	540	26·5	35·90	197	144
	Boltby, East ... A. J. Walker, Esq. ...	5	1	0	459	26·2	38·94	...	...
D	LEEMING Airfield ... (+A) Meteorological Office ...	5	1	0	105	...	30·61	184	134
D	Maunby Hall ... Col. A. Hill-Walker, V.C....	5	1	0	90	23·9	34·39	173	147
D	Scruton Hall ... Mrs. E. Coore ...	5	1	0	100	23·8	31·06	183	143
D	Swaledale (Gunnerside Lodge) ... The Rt. Hon. Lord Peel ...	5	1	0	900	47·8	53·00	235	170
	Osmotherly (Oakdale W.W.) ... Northallerton U.D.C. ...	5	1	0	600	28·3	38·40	...	...
D	East Harlsey (Harlsey Hall) ... Mrs. Constantine ...	5	1	0	370	...	34·11	187	148
d	Richmond (C.E. School) ... R. Hornby, Esq. ...	5	1	0	420	...	35·32	...	...
3.—OUSE. Left Bank Tributaries. 153 sq. mi.									
D	YORK (Museum) Yorks. Phil. Soc. (Dr. W. L. Collinge) ...	5	1	0	57	24·3	31·10	178	143
4.—OUSE. Derwent. 509 sq. mi.									
D	Welburn ... R. Child, Esq. ...	5	1	0	200	26·1	33·02	213	135
d	Malton (Broughton Road) ... C. C. Laverack, Esq. ...	5	1	0	152	25·5	31·72	...	122
D	Hovingham Hall ... Col. Sir W. A. Worsley, Bart. ...	5	0	9	119	29·0	32·71	161	128
D	AMPLEFORTH ... Rev. T. L. Jackson, O.S.B. ...	5	1	0	313	...	35·86	180	131
D	Oswaldkirk (Leysthorpe Hall) ... Major G. B. Foster ...	5	1	0	231	...	35·55	188	136
d	Nunnington Hall Gardens ... Head Gardener ...	5	1	0	110	...	32·28	...	123
d	Wykeham (Low Moor) ... P. J. Rennie, Esq. ...	5	1	0	692	...	39·19	...	...
d	Helmsley (Boys' School) ... C. W. Atkinson, Esq. ...	5	1	0	225	...	34·95	...	126
D	Seamer (Irtton Pumping Station) ... H. V. Overfield, Esq., C.E. ...	5	1	0	94	28·7	32·85	184	124
D	Scarborough (Osgodby) ... H. V. Overfield, Esq., C.E. ...	5	1	0	166	26·1	30·61	176	126
D	Kirkby Moorside (Ravenswyke) ... Lt.-Col. V. H. Holt, M.C., J.P. ...	5	1	0	270	27·2	33·23	168	140
D	Hutton-le-Hole (Elphfield) ... R. W. Crosland, Esq. ...	5	1	0	340	...	35·73	192	135
d	SILPHO MOOR ... Forestry Commission ...	5	1	0	662	...	43·41	184	136
M	Bransdale 7 ... Hull Waterworks ...	5	1	0	1021	...	43·59	...	...
D	Farndale (The Vicarage) ... Hull Waterworks ...	8	1	0	495	...	44·05	188	155
M	Rosedale 16 ... Hull Waterworks ...	5	1	0	587	...	47·55	...	...
M	Rosedale 19 ... Hull Waterworks ...	5	1	0	599	...	48·93	...	...

DIVISION IX—YORKSHIRE—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
NORTH RIDING—(contd.).									
4.—OUSE. Derwent.—(contd.).									
M Rosedale 17A	Hull Waterworks	5	1	0	986	...	48·01	...	...
M Bransdale 3	Hull Waterworks	5	1	0	739	...	45·89	...	...
M Bransdale 4B	Hull Waterworks	5	1	0	1184	...	47·23	...	...
M Farndale 9	Hull Waterworks	5	1	0	1015	...	47·25	...	...
M Farndale 10	Hull Waterworks	5	1	0	574	...	48·83	...	...
M Farndale 13	Hull Waterworks	5	1	0	1055	...	50·43	...	...
M Farndale 14	Hull Waterworks	8	1	0	1286	...	47·69	...	...
M § Rosedale 18	Hull Waterworks	5	1	0	1337	...	47·90	...	...
M Rosedale 14A	Hull Waterworks	5	1	0	1329	...	47·18	...	...
5.—ESK & C. 278 sq. mi.									
D SCARBOROUGH	(+A) Medical Officer of Health	5	1	0	118	25·8	31·04	182	128
D Scarborough (Scalby)	Capt. Sir William Wordsworth	5	1	0	210	...	32·20	177	124
W Goathland (Hydro)	E. N. Burn, Esq.	5	1	0	450	...	39·58	...	...
D Danby (Botton Hall)	W. E. F. Macmillan, Esq.	5	1	0	720	...	47·55	209	154
d Egton Bridge (Bridgeholme)	Mrs. Astley Smith	5	1	0	130	33·3	43·01	...	151
d Sleights (Hall Cottage)	George Gibson, Esq.	5	1	0	220	30·7	38·96	...	124
D Whitby (Park Hall, Aislaby)	Miss M. A. N. Richardson	5	1	0	500	30·7	38·07	162	132
D WHITBY (Pannett Park)	Park Superintendent	8	1	0	135	...	34·43	152	121
D Guisborough (Lockwood Res.)	Cleveland Water Co.	8	1	0	632	33·0	43·17	209	143
D Guisborough (Waterworks)	Guisborough U.D.C.	5	1	2	600	...	40·65	163	141
D Saltburn (North Skelton Mine)	Dorman, Long & Co., Ltd.	5	1	0	304	...	37·90	163	129
D REDCAR	Town Clerk	5	1	0	25	24·2	31·76	179	124
D Redcar (Nelson Terrace)	T. K. G. Ridley, Esq.	5	1	6	10	...	31·00	170	118
6.—TEES. 373 sq. mi.									
D Kildale Hall	Mrs. R. B. Turton	5	1	2	600	35·5	46·74	176	146
D Crathorne Hall Gardens	Maj. Sir Thomas Dugdale	5	1	3	185	25·0	31·78	173	136
D Barningham Park	Sir Frederick Milbank, Bart.	8	1	0	750	32·6	46·48	203	154
d Yarm (Worsall Hall)	Major H. K. D. Evans	5	1	0	60	...	32·90	...	134
D Nunthorpe (The Box)	G. D. Cochrane, Esq.	5	1	3	287	25·2	35·09	170	132
D Middlesbrough (West Acklam)	H. C. White, Esq.	5	1	0	71	...	31·86	184	139
D Middlesbrough (Albert Park)	H. C. Hildyard, Esq.	5	1	0	30	23·7	30·76	168	136
D Middlesbrough (South Bank)	(+A) N. C. Harrison, Esq., C.E.	5	1	0	41	...	30·21	169	127
M Baldersdale (Aygill)	T. S. R. Winter, Esq., C.E.	5	1	6	1250	49·5	52·95	...	...
D Lartington Filters	T. S. R. Winter, Esq., C.E.	5	1	0	735	32·1	37·95	224	141
M Baldersdale (Blackton Res.)	T. S. R. Winter, Esq., C.E.	5	1	0	937	40·9	47·95	...	...
M Baldersdale (Balderhead)	T. S. R. Winter, Esq., C.E.	5	1	3	1360	45·7	52·80	...	...
D Baldersdale (Hury Res.) <i>old g. site</i>	T. S. R. Winter, Esq., C.E.	5	1	0	866	36·0	41·75	215	159
D Baldersdale (Hury Res.) <i>new g. site</i>	T. S. R. Winter, Esq., C.E.	5	1	0	862	37·3	40·27	215	151
M Lunedale (Dow Crag)	T. S. R. Winter, Esq., C.E.	5	1	0	1720	57·6	64·60	...	...
M Lunedale (Lunehead)	T. S. R. Winter, Esq., C.E.	5	1	0	1450	55·0	62·40	...	...
M Lunedale (Selset)	T. S. R. Winter, Esq., C.E.	5	1	0	924	40·3	44·20	...	...
D Lunedale (Grassholme Res.)	T. S. R. Winter, Esq., C.E.	5	1	0	936	38·6	43·85	213	158
M Lunedale (Keekham)	T. S. R. Winter, Esq., C.E.	5	1	0	1660	62·1	68·20	...	...
M Lunedale (Hargill)	T. S. R. Winter, Esq., C.E.	5	1	5	1320	52·6	59·40	...	...

DIVISION X—NORTHERN COUNTIES

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

1.—TEES & C. 396 sq. mi.

D Darlington (South Park)	P. W. Peak, Esq.	5	1	0	150	27·1	30·18	186	138
D Darlington (Waterworks)	(+A) Borough Surveyor	5	1	0	161	...	28·33	171	123
D Darlington (Broken Scar)	T. S. R. Winter, Esq., C.E.	5	1	0	158	26·2	30·06	181	136
D Darlington (Fighting Cocks Res.)	T. S. R. Winter, Esq., C.E.	5	1	0	171	25·2	29·46	181	134

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge		Average Rain- fall	1951					
				Diam.	Height of Rim above Ground		Ground above Sea Level	Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more		
DURHAM—(contd.).				in.	ft.	in.	ft.	in.	in.			
1.—TEES & C.—(contd.).												
D	Barnard Castle (Bowes Museum)	...	T. Wake, Esq.	...	5	1	0	550	30·4	37·24	187	144
D	Barnard Castle (County School)	...	Bursar	...	5	1	5	550	29·1	35·57	179	146
D	Long Newton Reservoir	...	T. S. R. Winter, Esq., C.E.	...	5	0	9	184	25·5	31·96	196	141
d	Stockton-on-Tees (Ropner Park)	...	Park Curator	...	5	0	10	61	22·9	30·98	...	133
D	Stockton-on-Tees (Billingham)	(+A)	Imperial Chem. Indust., Ltd.	...	5	1	6	35	23·3	31·35	202	139
D	Staindrop (Raby Castle)	...	Lord Barnard, C.M.G., M.C.	...	5	1	0	450	27·6	33·08	175	136
d	Stillington Park	...	A. Kendall, Esq.	...	5	1	0	140	27·1	32·58	162	147
d	Eggleston (Wood Hill)	...	E. A. Smith, Esq.	...	5	1	0	1000	34·2	40·49	207	150
D	Middleton-in-Teesdale (Newbiggin)	...	Mrs. Cogains	...	5	1	0	1000	44·2	45·48	213	155
D	Forest-in-Teesdale	...	(+A) Postmistress	...	5	1	0	1250	...	55·73	236	181
D	Embleton (Crookfoot Res.)	...	J. Clough, Esq.	...	8	1	0	293	25·4	28·68	174	127
D	WEST HARTLEPOOL (The Clock)	...	H. Lamb, Esq.	...	5	1	0	30	...	29·42	180	119
D	West Hartlepool (Waterworks)	...	J. Clough, Esq.	...	5	1	0	35	24·7	28·34	178	120
D	Hurworth Burn Reservoir	...	J. Clough, Esq.	...	8	1	0	357	26·5	33·57	187	139
D	Hartlepool (Hart Reservoir)	...	J. Clough, Esq.	...	8	1	0	172	...	27·63	183	121
D	Shotton (New Winning P.S.)	...	A. G. McLellan, Esq. C.E.	...	8	1	0	402	29·4	34·77	190	139
D	Easington (Mill Hill Res.)	...	A. G. McLellan, Esq. C.E.	...	8	1	0	521	...	34·56	194	138
D	Seaham (Dalton Pumping Stn.)	...	A. G. McLellan, Esq., C.E.	...	8	1	0	345	27·0	31·27	189	131
2.—WEAR. 464 sq. mi.												
D	Wolsingham (Shull)	...	Mrs. W. A. Mounsey	...	5	1	0	600	...	37·16	188	144
D	Stanhope (Parson Byers Quarry)	...	Dorman, Long & Co., Ltd.	...	5	1	3	860	31·7	38·42	193	154
M	Burnhope (Grass Meres)	...	J. A. Rodwell, Esq., C.E.	...	5	1	3	1850	59·1	(66·40)	...	...
D	Burnhope Reservoir	...	J. A. Rodwell, Esq., C.E.	...	8	1	0	1165	...	59·29	233	188
M	Cowshill (Wellheads Hush)	...	J. A. Rodwell, Esq., C.E.	...	5	1	6	1690	52·7	(59·45)	...	...
D	Durham (HOUGHALL Hort. Station)	...	Director of Agriculture	...	5	1	0	160	26·4	31·36	178	132
D	DURHAM (University Obsy.)	...	(+A) Director	...	5	1	0	336	24·6	29·36	177	130
d	Durham (Neville Court)	...	J. A. Rodwell, Esq., C.E.	...	5	1	1	342	...	29·09	...	...
D	Weardale W.W. (Tunstall Res.)	...	J. A. Rodwell, Esq., C.E.	...	8	1	2	724	32·4	41·43	186	161
D	USHAW COLLEGE	...	President	...	5	1	0	594	28·2	32·75	190	142
M	Weardale W.W. (Waskerley 6)	...	J. A. Rodwell, Esq., C.E.	...	8	1	0	1229	...	41·20	...	...
M	Weardale W.W. (Waskerley 3)	...	J. A. Rodwell, Esq., C.E.	...	8	1	0	1433	...	43·50	...	...
D	Weardale W.W. (Waskerley)	...	J. A. Rodwell, Esq., C.E.	...	8	1	0	1179	33·1	42·31	245	169
M	Weardale W.W. (Waskerley 1)	...	J. A. Rodwell, Esq., C.E.	...	8	1	0	1317	...	40·34	...	...
D	Lanchester (Craigmore)	...	Basil Sadler, Esq.	...	5	1	0	400	...	32·93	189	143
D	Consett (Stockley House)	...	Mrs. J. Shackleton	...	5	1	6	642	...	36·35	180	145
d	Lanchester (Langley Close)	...	Basil Sadler, Esq.	...	5	1	0	756	...	32·48	...	151
d	South Moor (Colliery Office)	...	Basil Sadler, Esq.	...	5	1	0	616	...	34·39	...	128
D	Ryhope (Pumping Station)	...	A. G. McLellan, Esq., C.E.	...	8	1	1	228	25·4	30·26	177	132
M	Washington (Glebe Mod. School)	...	A. Robson, Esq.	...	5	1	2	160	...	31·63	...	...
D	Sunderland (Thorneholme)	...	Medical Officer of Health	...	5	1	0	130	25·6	28·57	168	127
3.—TYNE. LOWER. 151 sq. mi.												
D	Hunstanworth (Presser Villa)	...	J. A. Rodwell, Esq., C.E.	...	5	1	0	1301	...	38·58	214	148
D	Weardale W.W. (Hisehope Res.)	...	J. A. Rodwell, Esq., C.E.	...	5	1	0	1450	...	41·10	231	167
D	Weardale W.W. (Smiddy Shaw)	...	J. A. Rodwell, Esq., C.E.	...	8	1	3	1128	34·1	42·65	219	168
D	Westwood (Sewage Works)	...	E. Simpkin, Esq., C.E.	...	5	0	8	255	...	35·12	189	157
D	BIRTLEY	...	Durham Chemicals, Ltd.	...	5	1	0	87	...	29·20	190	134
D	Ebchester (Blackhall Mill School)	...	Headmaster	...	5	0	6	150	...	33·63	180	143
d	Rowlands Gill (CHOPWELLWOOD)	...	Forestry Commission	...	8	1	0	446	28·7	33·40	...	147
D	Sunderland (Cleaton Pumping Stn.)	...	A. G. McLellan, Esq., C.E.	...	8	1	0	216	24·4	28·40	189	121
D	South Shields (Bents Park)	...	Dr. W. Campbell Lyons	...	5	1	0	36	24·2	28·94	175	125
D	South Shields (South Pier Works)	...	Tyne Improvement Commis.	...	5	1	0	17	...	28·80	189	126

NORTHUMBERLAND. (Area, 2,015 sq. mi.)

1.—EDEN. 20 sq. mi.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
NORTHUMBERLAND—(contd.).									
2.—SOUTH TYNE. 232 sq. mi.									
D Allenheads	T. S. Foggitt, Esq.	5	1	5	1350	...	54.42	231	183
D Whitfield Hall Gardens	Mr. Wm. Brown	5	1	6	750	...	45.12	246	175
D Haydon Bridge (Shaftoe Trust Sch.)	Headmaster	5	1	0	240	...	30.13	184	134
3.—TYNE. Lower. 227 sq. mi.									
D Newcastle (Leazes Park)	City Engineer	5	1	0	255	26.4	28.91	176	129
D Newcastle (Gosforth)	T. R. Dowdeswell, Esq.	5	1	0	246	...	30.99	184	132
D Throckley Filters	Newcastle & Gatesh'd W. Co. ...	5	1	1	300	...	31.94	193	127
D Hexham (Ridgway-on-Yarridge)	R. W. Gregory, Esq.	5	1	1	650	...	27.73	191	125
D Hexham Reservoir	Hexham U.D.C.	5	1	0	330	...	26.01	173	136
d Hexham (Widehaugh Nursery)	Forestry Commission	5	1	0	120	...	26.02	...	...
D N. Shields (Billy Mill Reservoir)	C. F. J. Lisle, Esq., C.E.	5	1	0	195	...	30.28	183	136
D Tynemouth (Tyne Pier Works)	Tyne Improvement Commis. ...	5	1	0	54	25.1	28.55	182	123
D TYNEMOUTH (C.G. Station)	Station Officer, for M.O. ...	5	1	0	108	24.5	28.27	165	118
D Whittle Dene Filters	Newcastle & Gatesh'd W. Co. ...	5	1	1	353	26.6	30.79	179	141
D Whittle Dene Reservoir	Newcastle & Gatesh'd W. Co. ...	5	1	0	380	25.3	28.44	177	136
4.—NORTH TYNE. 433 sq. mi.									
d Barrasford	Newcastle & Gatesh'd W. Co. ...	8	1	0	207	...	28.88	...	...
D Simonburn (Park End)... ..	A. H. Ridley, Esq.	5	1	0	300	...	30.66	178	151
M Ryal Cottage	Newcastle & Gatesh'd W. Co. ...	5	0	9	463	29.1	29.39	...	...
M Hallington Village	Newcastle & Gatesh'd W. Co. ...	5	1	0	467	29.9	29.72	...	...
D Hallington Reservoir	Newcastle & Gatesh'd W. Co. ...	5	1	0	470	29.3	29.69	199	140
M Hallington (Fawcett)	Newcastle & Gatesh'd W. Co. ...	5	1	2	537	28.2	30.89	...	...
M Camphill... ..	Newcastle & Gatesh'd W. Co. ...	5	1	0	650	29.4	32.96	...	...
D Colt Crag Reservoir	Newcastle & Gatesh'd W. Co. ...	5	1	0	654	29.3	33.08	234	178
M Green Crag	Newcastle & Gatesh'd W. Co. ...	5	1	0	900	30.4	33.43	...	...
D BELLINGHAM (Highgreen)	Sir Charles Morrison-Bell Bt. ...	5	1	0	849	35.4	34.61	229	161
D KIELDER CASTLE	Forestry Commission	5	1	7	674	...	48.54	230	180
D §Kielder (Ridge End)	Newcastle & Gatesh'd W. Co. ...	5	1	0	851	...	44.41	223	179
D §Kielder (Kielder Head)	Newcastle & Gatesh'd W. Co. ...	5	1	0	807	...	45.66	216	168
M §Kielder (Carry Burn)	Newcastle & Gatesh'd W. Co. ...	5	1	0	1043	...	43.10	...	...
M §Kielder (Little Gunn's Cleugh)	Newcastle & Gatesh'd W. Co. ...	8	1	0	1110	...	45.83	...	...
M §Redewater (Countess Crag) ...	Newcastle & Gatesh'd W. Co. ...	5	1	0	1600	...	51.64	...	...
M Redewater (Chattlehope)	Newcastle & Gatesh'd W. Co. ...	5	1	0	1100	...	49.06	...	...
D Redewater (Catcleugh)	Newcastle & Gatesh'd W. Co. ...	5	1	0	819	...	46.68	241	193
w §Redewater (Game Park)	Newcastle & Gatesh'd W. Co. ...	5	1	0	900	...	49.85	...	...
M §Redewater (Black Cleugh)	Newcastle & Gatesh'd W. Co. ...	5	1	0	1050	...	48.76	...	...
5.—COQUET & C. 840 sq. mi.									
M Whittington	Newcastle & Gatesh'd W. Co. ...	8	1	0	528	28.1	29.36	...	...
M Burnside	Newcastle & Gatesh'd W. Co. ...	5	1	0	419	27.2	28.37	...	...
D Whitley Bay (Marden House)	R. J. Oliver, Esq.	5	1	0	100	...	28.92	196	132
D Kirkwhelpington	J. Wardle, Esq.	5	1	3	581	...	34.26	197	145
D Morpeth (COCKLE PARK)	King's College, Newcastle, Department of Agriculture	5	1	0	325	28.7	31.66	185	139
D Rothley (Harwood)	Forestry Commission	5	1	0	770	...	34.89	185	147
d Morpeth (Tritlington School)	J. E. Archbold, Esq.	5	0	8	250	...	32.36	185	138
D Font Reservoir (Tynemouth W.W.)	C. F. J. Lisle, Esq., C.E.	10	1	2	620	31.1	35.91	204	157
D ACKLINGTON Airfield	Meteorological Office	5	1	0	138	...	29.28	182	121
D Amble	Amble U.D.C.	5	1	0	12	...	31.79	160	138
D Callaly Castle Gardens	G. Milne, Esq.	5	1	2	350	...	34.86	174	132
D Howick Hall Gardens	The Rt. Hon. Earl Grey	8	1	0	110	28.2	32.54	213	132
D Stamford	W. Robertson, Esq.	5	1	0	175	...	29.89	190	134
D Doxford Hall	Rt. Hon. Viscount Runciman	5	1	0	175	...	31.72	188	142

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of Rim above Ground	Height of Ground above Sea Level			Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
NORTHUMBERLAND—(contd.).									
5.—COQUET & C.—(contd.).									
D Chathill (Preston Tower) ...	... H. Baker Cresswell, Esq. ...	8	1	0	140	28.3	32.65	190	146
D Embleton (Newton House) ...	... Capt. A. J. Baker-Creswell, R.N. ...	5	1	0	60	...	29.85	196	135
D Belford (Newlands) ...	... Miss C. J. H. Sanderson ...	5	4	8	160	...	25.48	193	128
6.—TWEED. 262 sq. mi.									
d Cheviot Hills (Linhope) ...	... Northum. & Tyneside R. Bd. ...	5	1	0	600	...	42.44	...	138
D Ilderton (Lilburn Tower Gardens) ...	... Mr. C. Lovett ...	5	1	0	250	30.4	32.79	160	122
d Mindrum ...	... Northum. & Tyneside R. Bd. ...	5	1	0	300	...	32.51	199	145
d Cornhill (Pallinsburn) ...	... Mrs. A. Turnbull ...	5	1	0	135	...	25.54	161	119
D BERWICK-ON-TWEED (Ramparts) ...	... Borough Surveyor ...	5	1	0	76	23.4	25.74	169	115
7.—INSULAR. 1 sq. mi.									
CUMBERLAND. (Area, 1,516 sq. mi.)									
1.—EDEN & SOLWAY. 887 sq. mi.									
D Watermillock (Lake View) ...	... T. Slee, Esq. ...	5	0	8	560	...	70.46	232	187
d Penrith (Hutton John) ...	... N. Hudleston, Esq. ...	5	1	0	688	45.1	57.59	...	151
D Penruddock School ...	... Headmaster ...	5	1	6	850	...	57.41	208	167
D Penrith (Arthur Street) ...	... Mrs. E. Sinclair ...	5	1	0	500	36.4	38.37	222	178
D Penrith (Castle Park) ...	... Engineer & Surveyor ...	5	1	0	490	...	37.19	183	155
D Penrith (NEWTON RIGG) ...	... Cumberland County Council ...	5	1	0	560	36.4	39.85	196	158
D Uldale (Chapel House Res.) ...	... J. R. Watters, Esq. ...	8	1	0	620	46.2	59.94	243	232
D Penrith (Nunwick Hall) ...	... Lt.-Col. C. H. F. Thompson ...	5	2	0	258	31.8	36.32	198	158
D Penrith (Great Salkeld) ...	... Rev. G. A. K. Hervey ...	5	1	0	350	...	36.23	225	157
D Troutbeck (Wellbank) ...	... Miss R. A. S. Streatfield ...	5	1	0	800	...	75.48	219	191
D Renwick ...	... Cumberland River Board ...	5	1	0	712	...	42.01	251	166
D Wigton (Brookfield) ...	... J. Carruthers, Esq., B.A., B.Sc. ...	5	1	0	110	36.7	37.78	195	152
d Wreay Vicarage ...	... Rev. J. Sanderson ...	5	1	0	300	31.5	33.20	...	...
D SILLOTH Airfield ...	... Meteorological Office ...	5	1	0	24	...	35.40	205	161
D Geltsdale ...	... L. J. A. Stow, Esq. ...	5	1	2	778	36.8	42.53	222	170
D Carlisle (Spital Cemetery) ...	... Superintendent ...	8	1	0	114	31.8	34.13	219	156
D Carlisle (Denton Holme) ...	... E. J. M. Lawson, Esq. ...	5	1	0	57	30.1	34.52	...	...
D Carlisle (Rose Hill) ...	... H. Lonsdale, Esq. ...	8	1	3	105	...	38.25	213	167
D Carlisle (Sewage Works) ...	... L. J. A. Stow, Esq. ...	5	1	0	39	...	33.38	200	150
d Longtown (C.A.D.) ...	... Officer-in-Charge ...	5	1	10	25	...	36.09	...	...
D Bewcastle (Stockastead) ...	... Border R.D.C. ...	5	1	0	750	47.5	44.24	203	184
2.—DERWENT. 257 sq. mi.									
M Sprinkling Tarn ...	... F. Bainbridge, Esq., for M.O. ...	5	1	6	1985	151.8	(218.00)	...	...
M Styehad Tarn ...	... F. Bainbridge, Esq., for M.O. ...	5	1	0	1472	145.8	(205.00)	...	...
M Styehad B. ...	... F. Bainbridge, Esq., for M.O. ...	5	1	0	1070	145.7	199.25	...	...
M Styehad A. ...	... F. Bainbridge, Esq., for M.O. ...	5	1	0	1070	139.8	180.25	...	...
M Borrowdale (Stockley Bridge) ...	... F. Bainbridge, Esq., for M.O. ...	5	1	0	585	130.9	160.50	...	...
M Borrowdale (Seathwaite) ...	... F. Bainbridge, Esq., for M.O. ...	5	1	0	423	...	139.00	...	...
M Helvellyn (Hill Top Gill) ...	... Manchester Corp'n. W.W. ...	5	1	0	1025	...	119.12	...	...
M §Ullscarf ...	... Manchester Corp'n. W.W. ...	5	1	0	2100	119.8	134.28	...	...
M Thirlmere (The Nook) ...	... Manchester Corp'n. W.W. ...	8	1	0	621	...	117.71	...	...
M §Helvellyn (Birkside) ...	... Manchester Corp'n. W.W. ...	5	1	0	1900	...	108.81	...	...
M Wythburn ...	... Manchester Corp'n. W.W. ...	5	1	0	610	96.8	120.32	...	...
M Helvellyn (Brown Rigg) ...	... Manchester Corp'n. W.W. ...	5	1	0	1400	112.0	142.27	...	...
M Helvellyn (Brown Cove) ...	... Manchester Corp'n. W.W. ...	5	1	0	1800	...	111.19	...	...
D Watendlath Farm ...	... W. Tyson, Esq., for M.O. ...	5	1	0	800	88.5	96.54	214	200
D §Thirlmere (Dale Head Hall) ...	... Manchester Corp'n. W.W. ...	5	1	0	620	86.7	112.18	274	229
D KESWICK (High Hill) ...	... Tom Wilson, Esq. ...	5	1	0	254	54.9	68.69	224	186

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
CUMBERLAND—(contd.).		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
2.—DERWENT.—(contd.).									
D Braithwaite (Black Wood) ...	... C. Barnes, Esq. ...	8	1	0	400	60·3	72·88	223	187
d Keswick (Mirehouse) ...	... Miss Spedding ...	5	1	1	280	49·8	63·46	...	169
D Workington (Stainburn Res.) ...	... H. Kay, Esq. C.E. ...	5	1	0	180	36·9	47·73	208	156
3.—WEST COAST STREAMS. 235 sq. mi.									
d Bootle (Fellside) ...	... Millom R.D.C. ...	5	1	0	265	...	59·35	...	...
D Ravenglass (The Grove) ...	... W. G. Marriot, Esq. ...	5	1	0	70	42·5	53·92	194	173
D SELLAFIELD (Windscale Works) ...	... Ministry of Supply, for M.O. ...	5	1	0	43	...	44·32	207	166
D Gosforth (Netherwasdale) ...	... J. M. Sewell, Esq. ...	5	1	0	180	...	67·29	220	200
D Braystones ...	... H. H. Watson, Esq. ...	5	1	0	36	37·5	47·19	205	173
M Beckermest (Bankfield) ...	... J. R. Atkinson, Esq. ...	5	1	0	132	...	44·81	...	...
M Wast Water (Wasdale Head) ...	... H. H. Watson, Esq. ...	5	1	0	280	...	105·00	...	...
M Ennerdale (Gillerthwaite) ...	... H. H. Watson, Esq. ...	5	1	0	445	...	94·00	...	...
D Whitehaven (Stanley Pond) ...	... National Coal Board ...	5	1	6	45	47·5	46·45	206	173
D St. Bees Head Lighthouse ...	(+A) Principal Keeper, for M.O. ...	5	1	0	400	...	41·91	201	162
D Whitehaven (Scragill Res.) ...	... Borough Engineer ...	8	1	0	188	43·5	47·74	235	178
4.—DUDDON & C. 50 sq. mi.									
D Millom (Lanthwaite) ...	... Millom R.D.C. ...	5	1	0	165	...	61·86	222	186
D §Ulpha ...	... Water Engineer, Barrow ...	5	1	0	251	...	90·84	246	215
5.—SOUTH TYNE. 87 sq. mi.									
D Alston Vicarage... ..	... Rev. N. A. Walton ...	5	1	0	940	44·7	47·31	219	171
WESTMORLAND. (Area, 783 sq. mi.)									
1.—EDEN. 373 sq. mi.									
D Kirkby Stephen (Eden Place) ...	... Miss Marcia Mason J.P. ...	5	1	0	544	...	44·78	206	157
M §Wasdale Pike ...	... Manchester Corp'n. W.W. ...	5	1	0	1825	79·4	102·37	...	...
M Mosedale (Mosedale Cottage) ...	... Manchester Corp'n. W.W. ...	5	1	0	1443	87·8	107·20	...	...
M §Mosedale (Artle Crag) ...	... Manchester Corp'n. W.W. ...	5	1	0	2134	...	114·28	...	...
M Wet Sleddale (Mirethwaite) ...	... Manchester Corp'n. W.W. ...	5	1	0	995	64·7	92·11	...	...
M §Blea Water ...	... Manchester Corp'n. W.W. ...	5	1	0	1400	104·0	103·72	...	...
§Sleddale (High Wether Howe) ...	... Manchester Corp'n. W.W. ...	5	1	0	1620	...	97·19	...	...
M §Mardale (Riggindale) ...	... Manchester Corp'n. W.W. ...	5	1	0	892	...	99·82	...	...
M §Shap (Birbeck Fell) ...	... Manchester Corp'n. W.W. ...	5	1	0	935	56·0	72·46	...	...
§Mardale (Whelter) ...	... Manchester Corp'n. W.W. ...	5	1	0	819	...	105·88	...	...
Shap (Thornship Gill) ...	... Manchester Corp'n. W.W. ...	5	1	0	844	57·3	68·03	...	...
§Mardale (Guerness) ...	... Manchester Corp'n. W.W. ...	5	1	0	905	...	94·70	...	...
§Shap (Tailbert Head) ...	... Manchester Corp'n. W.W. ...	5	1	0	1100	55·6	69·47	...	...
M §Hawes Water (Wallow Crag) ...	... Manchester Corp'n. W.W. ...	5	1	0	1412	72·1	87·81	...	...
M Hawes Water (Naddle House) ...	... Manchester Corp'n. W.W. ...	5	1	0	825	60·5	76·82	...	...
Hawes Water (Sandhills) ...	... Manchester Corp'n. W.W. ...	5	1	0	824	69·6	84·24	...	...
Measand Beck (Keasgill) ...	... Manchester Corp'n. W.W. ...	5	1	0	1800	82·7	105·48	...	...
D §Hawes Water (Burn Banks) ...	... Manchester Corp'n. W.W. ...	5	1	0	835	65·0	83·04	242	190
D Patterdale Hall ...	... Mr. T. Atkinson ...	5	1	3	490	86·4	112·38	209	188
d Patterdale (Greenside Mine) ...	... Basinghall Mining Synd. Ltd. ...	5	0	9	1081	91·9	114·76	...	...
M §Bampton (Sealhole Grain) B. ...	... Manchester Corp'n. W.W. ...	5	1	0	1775	...	97·19	...	...
Bampton (Stanegarth) ...	... Manchester Corp'n. W.W. ...	5	1	0	913	59·5	74·01	...	...
M Cawdale Beck (Howe Grain) ...	... Manchester Corp'n. W.W. ...	5	1	0	1130	67·6	88·50	...	...
Heltondale (Kidmoor) ...	... Manchester Corp'n. W.W. ...	5	1	0	1043	...	78·01	...	...
D Martindale (Howtown) ...	... G. G. Rylands, Esq. ...	5	1	0	600	...	81·66	215	186
D Appleby Castle ...	... Cumberland River Board ...	5	1	0	440	35·0	35·47	223	151
Appleby (Bongate Cross) ...	... E. H. Illingworth, Esq. ...	5	0	10	520	...	24·08	...	...
D Penrith (Barton House) ...	... Mrs. Legh Tolson ...	5	1	0	500	42·4	48·87	215	176
D Pooley Bridge (Bowerbank) ...	... H. T. Thompson, Esq. ...	5	0	9	500	...	50·99	207	173
D Temple Sowerby ...	... Cumberland River Board ...	5	1	0	355	...	35·03	215	149

§ Turf wall round gauge.

DIVISION X—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
WESTMORLAND—(contd.).		in.	ft.	in.	ft.	in.	in.		
2.—LEVEN. 60 sq. mi.									
D Windermere (Nurseries) ...	Windermere U.D.C. ...	5	0	10	350	61·6	76·18	195	173
D Windermere (Holehird) ...	H. L. Groves, Esq. ...	5	1	0	500	68·0	80·41	250	203
D Windermere (Brockhole) ...	C. Bateman, Esq. ...	5	0	8	175	66·3	76·23	235	199
D Windermere (Briery Close) ...	Mrs. E. L. Hedley ...	5	1	0	325	...	77·02	236	199
d Troutbeck (The Howe) ...	Miss P. M. Molyneux ...	5	0	9	496	...	77·99	...	...
D AMBLESIDE ...	The Lakes U.D.C. (Clerk) ...	5	1	0	145	70·9	84·62	235	198
D Rydal (High Close) ...	Mrs. M. Jones-Balme ...	8	0	9	553	83·3	99·19	231	200
D Rydal (The Hall) ...	R. E. Porter, Esq. ...	5	1	0	354	82·1	95·98	233	198
D Great Langdale (Long House) ...	Mrs. G. Satow ...	5	1	0	340	...	119·85	236	209
D Grasmere (Meadow Brow) ...	J. Abbott, Esq. ...	5	1	0	350	88·5	103·66	245	215
3.—KENT. 188 sq. mi.									
D Milnethorpe (Crooklands) ...	Docks & Inland Waterways ...	5	1	0	156	...	49·69	216	175
D Heversham (Plumtree Hall) ...	Miss Lilian Watson ...	5	1	0	120	45·7	46·19	213	179
D Levens (Beathwaite) ...	John A. Bush, Esq. ...	5	1	2	125	46·8	55·96	231	178
d Killington Reservoir ...	Docks & Inland Waterways ...	5	1	0	670	49·8	61·28	...	185
D Kendal School ...	N. Whitton, Esq. ...	5	1	0	136	...	54·14	182	159
D Kendal (Gasworks) ...	Gas Engineer ...	5	1	3	146	48·2	52·95	202	169
D Kendal (Fisher Tarn Res.) ...	Water Engineer ...	5	1	0	742	51·7	57·67	229	182
D Kendal (Ellergreen) ...	J. W. Cropper, Esq. ...	5	1	6	270	58·2	64·78	226	187
4.—LUNE. 122 sq. mi.									
5.—TEES. 40 sq. mi.									
Lunedale (Conny Pot) ...	T. S. R. Winter, Esq., C.E. ...	5	1	0	1840	...	59·90	...	...

DIVISION XI—MONMOUTHSHIRE, WALES, AND THE ISLANDS

MONMOUTHSHIRE. (Area, 534 sq. mi.)

1.—RHYMNEY. 39 sq. mi.									
D Machen Quarry ...	Machen Quarries, Ltd. ...	5	2	0	250	...	56·51	215	168
2.—EBBW. 88 sq. mi.									
D Rogerstone (Newport Golf Links) ...	W. H. Halsey, Esq. ...	5	0	8	304	...	52·13	205	162
D Abercarn (Nantydraenog Res.) ...	W. Cory Goddard, Esq., C.E. ...	5	1	0	715	...	65·30	225	174
D Blackwood ...	T. J. Jones, Esq. ...	5	0	10	650	...	66·04	213	176
D Abertillery (The Park) ...	Medical Officer of Health ...	5	1	0	600	57·2	65·72	211	174
D Cwmtillery Reservoir ...	W. Cory Goddard, Esq., C.E. ...	5	1	0	1130	...	68·29	221	182
d Tredegar (Laboratory) ...	National Coal Board ...	5	2	0	950	...	70·37	...	...
D TREDEGAR (Bedwellty Park) ...	Urban District Council ...	5	1	0	992	...	72·25	223	196
D Ebbw Vale (Iron Works) ...	Richard Thomas & Baldwins ...	8	1	0	930	...	62·51	231	185
D Ebbw Vale W.W. (Carno S.) ...	J. Grafton Hoskins, Esq., C.E. ...	5	1	0	1262	...	71·76	234	193
d Beaufort (Blaen-y-Cwm Reservoir) ...	Richard Thomas & Baldwins ...	8	1	0	1340	...	72·88	229	176
3.—USK & C. 290 sq. mi.									
D Portskewett (Sudbrook) ...	British Railways ...	8	1	0	51	...	37·73	172	144
D NEWPORT (Hospital) ...	Medical Officer of Health ...	8	1	0	265	...	49·41	218	161
D Newport W.W. (Friar St. Yard) ...	Newport Corporation ...	5	6	0	32	...	46·05	193	155
D Newport W.W. (Ynis-y-fro Res.) ...	Newport Corporation ...	5	1	0	130	...	43·39	203	151
D Newport W.W. (Pant-yr-eos Res.) ...	Newport Corporation ...	5	1	0	485	...	55·31	229	167
D Newport W.W. (Nantpridd) ...	Newport Corporation ...	5	1	0	500	...	50·54	204	166
D Newport W.W. (Newchurch) ...	Newport Corporation ...	5	1	0	550	...	50·80	203	164

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
MONMOUTHSHIRE—(contd.).									
3.—USK & C.—(contd.).									
D Usk	Monmouth Agric. Institute	5	1	0	70	...	46·80	187	158
D Abergavenny (Parc Llettis)	Mrs. L. Whitehead, O.B.E.	5	1	0	325	...	43·70	190	161
D Abergavenny (Plâs Derwen)	Alan Whitehead, Esq.	5	1	6	200	...	51·51	199	156
D Abergavenny (Ty-Clyd)	F. D. Llewelyn, Esq.	5	1	0	272	45·1	56·22	199	164
D Abergavenny (Larchfield)	Medical Superintendent	5	1	0	240	37·5	46·78	185	156
D Grwyne Fawr (Coed Dias)	Miss Baker-Gabb	5	1	0	900	44·6	54·19	219	182
d Chepstow (Bethdour)	Chepstow Water Co.	8	4	3	176	...	40·84	...	...
4.—WYE. 117 sq. mi.									
d Monmouth (Cornwall House)	P. G. Harvey, Esq., M.D.	5	1	5	55	...	40·02	171	155
d Brynderi School	W. G. De Winton, Esq.*	5	0	8	500	...	43·24	...	...
d Skenfrith	W. J. Hamer, Esq.*	5	1	0	140	...	38·95	196	156
D Trewyn	Mrs. C. C. Molyneux	5	0	10	500	...	50·32	217	172
D Grosmont	Miss D. K. Estcourt	5	1	0	420	...	43·81	190	153
GLAMORGAN. (Area, 808 sq. mi.).									
1.—LOUGHOR. 55 sq. mi.									
D Felindre (Lower Lliw Reservoir)	T. Price, Esq., C.E....	8	1	0	416	...	66·50	246	195
D Felindre (Upper Lliw Reservoir) (+A)	T. Price, Esq., C.E....	8	1	3	599	...	70·30	237	193
2.—GOWER PENINSULA. 62 sq. mi.									
D Gower (Penrice Castle)	Major B. C. Smartt	5	2	0	20	...	47·10	214	172
d Penmaen (Cefn Môr)	Mrs. R. S. Palmer	5	1	6	300	41·5	49·68	...	...
3.—TAWE. 47 sq. mi.									
D SWANSEA (Victoria Park)	(+A) Town Clerk	8	1	0	32	44·7	51·05	208	166
d Clydach (Wernfadog)	C. G. Bellingham, Esq.	8	1	0	400	...	63·44	199	172
d Clydach	Mond Nickel Co., Ltd.	5	1	4	78	...	60·33	...	...
D Ystalyfera (Wern House)	Miss L. Williams	5	1	6	240	64·8	74·27	211	191
4.—NEATH. 82 sq. mi.									
D Briton Ferry (Cefn Cwrt)	Borough Engineer, Neath	5	1	0	503	47·7	58·57	221	183
D Neath (Oil Refineries)	National Oil Refineries, Ltd.	5	1	0	145	...	57·27	221	179
D Neath (Cimla Reservoir)	Borough Engineer	5	1	0	360	...	65·76	212	184
D Neath (Gnoll Reservoir)	Borough Engineer	5	1	0	204	52·1	60·04	209	172
D Neath (Brynteg)	H. P. Lloyd, Esq.	5	0	9	100	...	63·07	220	178
D Neath (Glynfehn)	T. Gibbins, Esq.	5	1	6	180	...	66·10	218	174
D Rhondda W. W. (Llyn Fawr Res.)	J. B. Hughes, Esq.	5	1	0	1220	88·6	109·16	228	203
D Resolven (Brynewelon)	Forestry Commission	5	1	0	250	...	72·22	236	194
5.—OGMORE & C. 350 sq. mi.									
d St. Athan	H. Thomas, Esq.	5	1	0	50	...	39·43	187	162
d Lower Penarth	Surveyor	5	1	0	66	34·9	41·03	...	...
D Penarth (Cemetery)	Surveyor	5	1	0	99	...	41·64	192	157
D Penarth (West House)	Surveyor	5	1	0	148	37·1	41·52	197	160
D Cardiff (Cogan Pumping Station)	G. W. Cover, Esq., C.E.	5	1	0	121	37·7	43·73	210	167
d Cowbridge (Tair Onen Nursery)	Forestry Commission	5	1	0	421	...	48·37	...	...
D Cardiff (St. Fagan's Castle)	Mr. A. W. Pearce	5	1	0	100	48·5	52·42	207	184
D Cowbridge (Pentre Meyrick)	F. E. P. Dunn, Esq.	5	1	0	300	...	50·12	214	163
Merthyr Mawr	R. I. Nicholl, Esq.	5	1	0	75	42·9	49·98	...	...
D Bridgend (Erw Graig)	Mid-Glamorgan Water Bd.	8	1	6	50	...	48·45	242	176
D Llanharan (Sewage Works)	H. Thomas, Esq.	5	1	0	175	...	56·92	214	180
D Llangeinor (Blackmill Hospital)	Matron	5	0	8	703	...	58·98	225	214

* Per Wye River Board.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
GLAMORGAN—(contd.).									
5.—OGMORE & C.—(contd.).									
D Maesteg (Salisbury Road) ...	... H. L. Davies, Esq. ...	5	1	0	560	...	75·76	201	183
D Maesteg (Isolation Hospital) ...	... Engineer & Surveyor ...	8	1	0	600	...	74·18	222	195
D Maesteg (Welfare Park) ...	(+A) Engineer & Surveyor ...	5	1	0	550	...	80·88	236	196
d Pontycymmer ...	... Mid-Glamorgan Water Bd.	8	1	0	560	...	86·79	...	...
D Ogmores Vale ...	... Mid-Glamorgan Water Bd.	8	1	2	580	...	98·02	234	201
6.—TAFF. 157 sq. mi.									
D Rhubina Reservoir ...	... G. W. Cover, Esq., C.E. ...	5	1	0	336	48·1	52·79	217	176
D Pontypridd (Ty-Gwyn Res.) ...	... Pontypridd & Rhondda W.B.	5	1	6	725	...	69·63	209	175
D Pontypridd (Treforest Secondary Sch.) ...	... W. C. John, Esq. ...	5	1	0	360	...	74·47	211	177
D Pontypridd (Lanwood Reservoir) ...	... Pontypridd & Rhondda W.B.	5	1	6	300	...	71·87	205	180
D Porth Park ...	... A. H. Gillard, Esq. ...	5	1	0	400	...	77·02	216	181
D Pontypridd (Llanfabon) ...	... Pontypridd & Rhondda W.B.	5	1	6	600	...	73·20	214	171
D Ystrad-y-fodwg (Tyntyla Hospital) ...	... Medical Officer of Health ...	5	1	0	590	...	(84·56)	(202)	(184)
D §Treorchy (Pumping Station) ...	... A. H. Gillard, Esq. ...	5	1	0	515	...	99·77	229	205
D Ferndale Park ...	... A. H. Gillard, Esq. ...	5	1	0	860	...	86·88	204	189
D Treharris (Service Reservoir) ...	... D. C. W. Jones, Esq., C.E.	5	1	3	765	52·3	66·74	207	192
D Treherbert Park ...	... A. H. Gillard, Esq. ...	5	1	0	600	...	103·17	233	201
D Mountain Ash (Darranlas Reservoir) ...	... Engineer & Surveyor ...	5	0	11	540	63·0	75·64	227	180
D §Treherbert (Tyn-y-waun) ...	... J. B. Hughes, Esq. ...	5	1	0	801	87·0	104·02	226	207
D Rhondda (Castell Nos Reservoir) ...	... Pontypridd & Rhondda W.B.	5	1	0	1060	...	100·78	238	195
D Rhondda (Lluest Wen Filter) ...	... Pontypridd & Rhondda W.B.	5	1	0	1200	...	103·92	238	203
D Rhondda (Lluest Wen Reservoir) ...	... Pontypridd & Rhondda W.B.	5	1	0	1280	89·0	108·23	238	203
D Merthyr Tydfil (Penybryn Filters) ...	... D. C. W. Jones, Esq., C.E.	5	1	3	937	54·0	63·17	236	222
D Merthyr Tydfil (Bronygarth) ...	... F. L. G. Bevan, Esq. ...	5	1	0	770	...	64·02	232	185
D Dowlais (Gwernllwyn) ...	... A. F. Adams, Esq. ...	5	1	0	1071	51·4	59·65	241	196
D Dowlais (Garth Filter Beds) ...	... A. C. Quiningborough, Esq.	5	1	0	1245	...	63·19	239	183
7.—RHYMNEY. 55 sq. mi.									
D Cardiff (Roath Park) ...	... Chief Officer of Parks ...	5	1	0	51	41·6	43·06	198	166
D CARDIFF (Penylan) ...	(+A) Medical Officer of Health ...	5	1	0	202	41·4	45·02	201	169
D Cardiff (Heath Filters) ...	... G. W. Cover, Esq., C.E. ...	5	1	0	132	41·3	45·40	228	166
D Llanishen Reservoir ...	... G. W. Cover, Esq., C.E. ...	5	1	0	155	39·4	44·68	217	169
D Ystrad Mynach (Park Lane) ...	... E. B. Johnston, Esq. ...	5	1	0	506	...	69·66	214	173
D Rhymney Bridge Reservoir ...	(+A) Engineer ...	8	0	6	1150	...	73·32	245	198
CARMARTHENSHIRE. (Area, 918 sq. mi.)									
1.—TEIFI. 87 sq. mi.									
2.—TOWY & C. 715 sq. mi.									
D Whitland ...	... Wilts United Dairies, Ltd. ...	5	1	0	60	...	56·17	201	167
D Carmarthen (Farm Institute) ...	... Principal ...	5	1	0	17	...	60·33	219	185
D Carmarthen (Cwmoernant Res.) ...	... E. Gooseman, Esq. ...	5	1	0	135	...	61·23	242	201
D Carmarthen (Fryn-hir) ...	... C. V. Lewis, Esq. ...	5	1	0	155	...	60·72	220	172
D Llandilo (Dynevort Castle) ...	... Mr. Ben Davies ...	8	1	0	202	53·2	61·28	257	194
w Llyn-y-fan Fach (Waen Sychlwch) ...	... Llanelly R.D.C. ...	5	1	0	1647	103·0	117·68	...	...
D Llyn-y-fan Fach (Nant Coch) ...	... Llanelly R.D.C. ...	5	1	0	1172	77·8	91·39	216	206
w Llyn-y-fan Fach (Bua'r Llyn) ...	... Llanelly R.D.C. ...	5	1	0	1650	102·0	125·87	...	...
D Llyn-y-fan-Fach (Troed-y-Foel) ...	... Llanelly R.D.C. ...	5	1	0	867	...	85·99	216	199
D Llandeusan (Pontcrynfe) ...	... J. Thomas, Esq. ...	5	1	0	323	55·6	65·87	245	187
D Conwil-Elvet (Cwmtawel (Res.)) ...	... E. Gooseman, Esq. ...	5	1	0	350	...	68·35	238	200
D Brechfa ...	... Capt. C. Joynson ...	5	1	0	290	...	72·38	254	198

§ Turf wall round gauge.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
CARMARTHENSHIRE—(contd.).									
2.—TOWY & C.—(contd.).									
D Abergorlech	S. L. Davies, Esq.	5	1	0	245	...	68.92	242	207
D Llandovery (Nantyrhogfaen)	D. T. M. Jones, Esq.	5	1	0	249	50.8	55.81	242	186
D Cyngordy (Clynsaer)	B. R. Gibbons, Esq.	5	1	0	490	...	55.69	203	178
D Rhandirmwyn (Nantwyn)	Capt. H. R. H. Vaughan	5	1	0	475	...	63.94	252	207
3.—LOUGHOR & C. 104 sq. mi.									
D Llanelly (Filter Beds)	Llanelly U.D.C.	5	1	0	237	48.7	55.29	216	183
D Llanelly (Cwmlliedi W.W.)	Llanelly U.D.C.	5	1	1	240	48.7	54.96	221	181
d Pembrey (The Colony)	Forestry Commission	5	1	0	19	...	43.47	...	...
D Llanelly (Upper Lliedi Res.)	Llanelly U.D.C.	5	0	11	290	...	54.38	216	174
D Kidwelly	Llanelly U.D.C.	5	1	6	60	...	55.15	211	177
w Llannon Reservoir	Llanelly R.D.C.	5	1	0	860	...	70.58	...	...
4.—TAWE. 7 sq. mi.									
5.—USK. 5 sq. mi.									
D Upper Usk 1	T. Price, Esq., C.E....	5	1	0	990	...	62.90	223	192
M Upper Usk 2	T. Price, Esq., C.E....	5	1	0	1390	...	62.50	...	...
M Upper Usk 3	T. Price, Esq., C.E....	5	1	0	1350	...	60.00	...	...
M Upper Usk 4	T. Price, Esq., C.E....	5	1	0	990	...	66.00	...	...
M Upper Usk 5	T. Price, Esq., C.E....	5	1	0	1090	...	78.15	...	...
M Upper Usk 6	T. Price, Esq., C.E....	5	1	0	1390	...	91.00	...	...
6.—WYE.									
PEMBROKESHIRE. (Area, 617 sq. mi.)									
1.—TEIFI. 37 sq. mi.									
2.—NEVERN & C. 91 sq. mi.									
D Goodwick (Trenewydd)	Mrs. G. M. Johns	5	1	0	300	...	43.81	191	154
3.—WEST COAST STREAMS. 82 sq. mi.									
4.—CLEDDAU & C. 407 sq. mi.									
d Pembroke (Stackpole Court)	Mr. F. G. Garlick	6	1	0	60	39.3	41.40	...	...
D TENBY (The Priory)	Borough Council	8	1	0	64	40.9	44.36	228	166
D Milford Haven (DALE FORT)	C. Promotion Field Studies	5	1	0	109	...	34.84	202	158
D PEMBROKE DOCK	Meteorological Office	5	1	0	34	...	47.34	214	167
D Narberth (Bloomfield)	Miss L. Lewis Lloyd	5	0	10	275	...	55.04	219	161
D HAVERFORDWEST (Hospital Grounds)	Borough Surveyor	5	1	0	133	...	49.57	212	176
D Maenclochog (Ddolwen Bridge)	Prescilly Water Board	5	1	0	740	...	77.49	228	194
d Letterston (Trecwn House)	Superintending Engineer	8	1	0	391	...	62.32	...	...
CARDIGANSHIRE. (Area, 688 sq. mi.)									
1.—DOVEY. 20 sq. mi.									
2.—YSTWYTH & C. 347 sq. mi.									
D ABERPORTH	Meteorological Office	5	1	0	376	...	44.81	212	183
M Llanafan (Blaenddol)	R. Roberts, Esq., for M.O. ... ..	...	...	...	500	...	59.80	...	...
D Llanafan (Crosswood Park)	Min. of Agric. and Fisheries	5	1	0	210	...	51.47	227	187
D TRAWSCOED	Farm Director, E.H.F.	5	1	0	200	...	51.95	197	185
D ABERYSTWYTH (P.B.S.)	Director Plant Breeding Stn.	5	1	0	452	...	44.68	242	156
D Talybont (LLETTY-EVAN-HEN)	Director Plant Breeding Stn.	5	1	0	950	...	50.58	224	193

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			above	above	Sea Level			·01 in. or more	·04 in. or more
CARDIGANSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
2.—YSTWYTH & C.—(contd.).									
d § Afon Rheidol (Nant-y-moch) ...	Water Engineer, Aberystwyth	5	1	0	1060	...	89·14	...	201
M § Plynlimon (Llygad Rheidol) Higher g.	Water Engineer, Aberystwyth	5	1	0	1660	...	98·54	...	...
M § Plynlimon (Llygad Rheidol) Lower g.	Water Engineer, Aberystwyth	5	1	0	1650	87·0	102·35	...	...
3.—TEIFI. 260 sq. mi.									
d Llandyssul (Sychpant Horeb) ...	J. A. Davies, Esq. ...	5	1	0	341	...	54·72	...	...
D Cardigan (Plas Llangoedmore) ...	D. Berrington Davies, Esq.	5	1	0	120	...	45·43	213	187
4.—TOWY. 46 sq. mi.									
5.—WYE. 15 sq. mi.									
M § Birmingham W.W. (Llyn Gynon) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1500	70·7	74·00	...	...
M § Birmingham W.W. (Bwlchyrhendre)	C. A. Risbridger, Esq., C.E.	5	1	0	1585	67·4	75·10	...	...
M Birmingham W.W. (Claerddu) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1470	71·6	76·00	...	...
M Birmingham W.W. (Gwngu) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1490	...	72·62	...	...
D § Birmingham W.W. (Abergwngu) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1150	67·1	82·26	244	204
BRECKNOCKSHIRE. (Area, 733 sq. mi.)									
1.—TOWY. 17 sq. mi.									
2.—TAWE. 41 sq. mi.									
D Swansea W.W. (Nantyrwydd) ...	T. Price, Esq., C.E....	5	0	10	908	...	81·45	245	221
3.—NEATH. 48 sq. mi.									
D Ystradfellte Reservoir ...	Engineer (Neath R.D.C.) ...	5	1	0	1147	85·4	90·98	228	191
4.—TAFF. 48 sq. mi.									
D Aberdare (Nanthir Reservoir) ...	H. W. Crowther-Green, Esq.	5	1	0	860	59·6	66·35	251	190
D Cardiff W.W. (Cefn-Coed-y-Cymmer)	G. W. Cover, Esq., C.E. ...	5	1	0	790	...	66·14	233	214
D Taf Fechan (Pontsticill) No. 12 (+A)	A. C. Quiningborough, Esq.	5	1	0	1031	59·1	71·33	228	194
M Taf Fechan (Pontsticill West) 14	A. C. Quiningborough, Esq.	5	1	0	1254	60·5	70·75	...	...
D Cardiff W.W. (Llwynon Res.) ...	G. W. Cover, Esq., C.E. ...	5	1	0	860	64·7	74·73	244	214
W Cardiff W.W. (Nant Ffynnon) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1352	73·2	86·04	...	...
M Cardiff W.W. (Garn Ddu) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1340	70·3	79·65	...	...
D Cardiff W.W. (Garw-nant) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1100	75·5	80·15	237	212
W Cardiff W.W. (Nant-Gwineu) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1200	67·5	80·05	...	...
W Cardiff W.W. (Cefn Gougarn) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1362	75·7	79·20	...	...
W Cardiff W.W. (Llysiog) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1080	68·7	77·27	...	...
D Taf Fechan (Pentwyn Res. S.) No. 15	A. C. Quiningborough, Esq.	5	1	0	1120	68·0	83·11	247	208
M Taf Fechan (Pentwyn Res. N.) No. 16	A. C. Quiningborough, Esq.	5	1	0	1090	66·5	82·45	...	...
W Cardiff W.W. (Twyn-Gareg) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1501	86·7	90·12	...	...
D Cardiff W.W. (CANTREF Res.) (+A)	G. W. Cover, Esq., C.E. ...	5	1	0	1080	69·9	80·33	250	205
D Cardiff W.W. (Beacons Res.) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1357	79·3	100·13	267	213
W Cardiff W.W. (Nant Penig) ...	G. W. Cover, Esq., C.E. ...	5	1	0	2000	92·9	107·36	...	...
D Cardiff W.W. (Storey Arms Field) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1430	88·5	100·12	256	213
W Cardiff W.W. (Blaen Taf Fawr) ...	G. W. Cover, Esq., C.E. ...	5	1	0	1430	85·7	101·50	...	...
D Taf Fechan (Neuadd Res.) No. 1	A. C. Quiningborough, Esq.	5	1	0	1462	...	83·13	250	208
D Taf Fechan (Neuadd Res.) No. 1A	A. C. Quiningborough, Esq.	5	1	0	1423	...	84·45	250	208
D Taf Fechan (Neuadd Res.) No. 4	A. C. Quiningborough, Esq.	5	1	0	1487	83·0	83·42	250	207
D Taf Fechan (Neuadd Res.) No. 11A	A. C. Quiningborough, Esq.	5	1	0	1524	...	88·62	250	209
M Taf Fechan (Neuadd Res.) No. 2	A. C. Quiningborough, Esq.	5	1	0	1993	...	93·30	...	...
M Taf Fechan (Neuadd Res.) No. 5	A. C. Quiningborough, Esq.	5	1	0	1515	83·3	98·50	...	...
M Taf Fechan (Neuadd Res.) No. 10	A. C. Quiningborough, Esq.	5	1	0	1700	72·7	92·80	...	...

§ Turf wall round gauge.

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

STATIONS		AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
			Diam.	Height of		Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			in.	ft.	in.		ft.				in.	in.
BRECKNOCKSHIRE—(contd.).										
4.—TAFF—(contd.).										
M	Taf Fechan (Neuadd Res.) No. 7	... A. C. Quiningborough, Esq.	5	1	0	2017	...	99·60	...	...
M	Taf Fechan (Neuadd Res.) No. 8	... A. C. Quiningborough, Esq.	5	1	0	1723	87·4	101·10	...	...
M	Taf Fechan (Neuadd Res.) No. 6	... A. C. Quiningborough, Esq.	5	1	0	2099	95·4	117·20	...	...
5.—RHYMNEY. 2 sq. mi.										
6.—EBBW. 7 sq. mi.										
D	Ebbw Vale W.W. (Llangynidr) 1	... J. G. Hoskins, Esq.	5	1	0	1413	58·8	71·31	234	192
D	Ebbw Vale W.W. (Llangynidr) W3	... J. G. Hoskins, Esq.	5	1	0	1468	...	73·67	234	195
D	Ebbw Vale W.W. (Llangynidr) NW2	... J. G. Hoskins, Esq.	5	1	0	1471	...	72·13	234	194
D	Ebbw Vale W.W. (Carno, E.)	... J. G. Hoskins, Esq.	5	1	0	1391	...	72·26	234	192
D	Ebbw Vale W.W. (Carno, W.)	... J. G. Hoskins, Esq.	5	1	0	1412	...	73·63	234	193
D	Ebbw Vale W.W. (Carno, N.)	... J. G. Hoskins, Esq.	5	1	0	1491	...	72·31	234	195
7.—USK. 299 sq. mi.										
D	Gilwern (Bryn-yr-Haul)	... R. E. John, Esq.	5	1	0	590	...	62·12	221	187
M	Torpantau (Darenfawr)	... Newport Corporation	5	1	0	1172	...	86·02	...	...
M	Torpantau (Ynysposte)	... Newport Corporation	5	1	0	741	66·8	81·68	...	...
M	Torpantau (Blaen-caer-fanell)	... Newport Corporation	5	1	0	1584	73·2	86·93	...	...
D	Talybont (Ffynonwen)	... Newport Corporation	5	1	0	629	60·2	71·58	232	193
M	Talybont (Pwll Ifor)	... Newport Corporation	5	1	0	1224	65·3	80·94	...	...
D	Talybont (Filter House)	... Newport Corporation	5	1	0	554	56·0	68·87	214	183
M	Talybont (Craig Pwllfa)	... Newport Corporation	5	0	7	1796	73·7	95·23	...	...
D	Talybont (Tyle Clydach)	... Newport Corporation	5	0	11	709	55·8	71·10	213	183
M	Talybont (Nant-y-Llanerch)	... Newport Corporation	5	1	0	1007	66·7	86·60	...	...
M	Talybont (Cefn Bach)	... Newport Corporation	5	1	3	1263	...	89·92	...	...
D	Crickhowell (Glanusk Park)	... Margaret Lady Glanusk	5	1	0	290	43·7	53·02	209	172
D	Crickhowell (Penmyarth)	... Margaret Lady Glanusk	5	1	0	330	...	50·75	204	173
M	Swansea W.W. (Cray Res.) No. 2	... T. Price, Esq., C.E....	5	1	0	1019	...	80·50	...	...
D	Swansea W.W. (Cray Res.) No. 1 (+A)	... T. Price, Esq., C.E....	5	1	0	1043	...	79·16	245	198
M	Cray Post Office	... J. A. Jones, Esq. for M.O.	5	1	0	930	69·1	79·59	...	...
D	Talybont (Ashford)	... J. Henderson, Esq.	5	1	0	360	45·6	56·08	198	156
D	Llanfrynach (Ty-mawr)	... Miss M. D. de Winton	5	1	0	450	...	57·44	206	176
D	CRICKHOWELL (Dan-y-Parc)	... R. G. Sandeman, Esq.	8	1	0	230	...	52·72	208	161
D	Trecastle (Blaenau-hydfwr)	... Mr. M. Davies, for M.O.	5	1	0	970	63·2	78·71	234	199
d	Brecon (Tairbull School)	... W. O. Davies, Esq.	5	1	0	660	52·0	54·65	205	181
D	Brecon (Ffrwdgrech)	... Capt. J. D. D. Evans	5	1	0	560	...	53·33	203	166
D	Brecon (Waterworks)	... Borough Engineer	5	1	0	550	...	55·16	230	175
d	Brecon (Mount Street School)	... Headmaster	5	0	11	494	...	47·61	...	...
D	Black Mountains (Blaen-y-cwm)	... W. Cory Goddard, Esq., C.E.	5	1	0	1423	54·5	63·62	230	190
D	Black M. (The Dam, Grwyne Fawr)	... W. Cory Goddard, Esq., C.E.	5	1	0	1787	56·0	65·63	230	190
8.—WYE. 271 sq. mi.										
D	Cathedine Rectory	... Rev. H. J. Phillips, for M.O.	5	1	6	650	38·3	42·92	210	156
d	Felin Fach	... Mrs. G. Griffiths*	5	1	0	546	...	40·42	...	156
D	Llanfillo (County School)	... Headmistress*	5	1	0	700	...	38·14	220	161
D	Talgarth (Maesoch)	... F. T. Morgan, Esq.	5	1	0	450	33·2	34·50	181	151
D	Talgarth (South Wales Sanatorium)	... Physician Superintendent	5	1	0	500	...	41·19	209	170
w	Llanwrtyd Wells (Abernant)	... T. A. Poole, Esq.*	5	1	0	632	57·2	58·78	...	...
D	Garth	... T. A. Poole, Esq.*	5	1	0	541	...	55·21	237	189
M	Abergwesyn (Trallwn)	... D. I. Felix, Esq., for M.O.	5	1	0	1000	75·5	78·70	...	...
D	Beulah (Llwyn Madoc)	... Cmdr. C. M. Evan-Thomas	5	1	0	750	...	62·83	238	195
M	Llanafanfawr School	... W. D. Swan, Esq.	5	1	0	800	...	57·52	...	...
M	Llanfihangel (Llwynycynar)	... J. Francis, Esq., for M.O.	5	1	0	745	...	51·63	...	...
D	Newbridge (Llysdinam)	... Lady Venables Llewellyn	5	1	3	646	41·2	46·49	223	176

* Per Wye River Board.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	Ground	above			·01 in.	·04 in.
			above	above	Sea Level			or	or
			Ground	Sea Level				more	more
BRECKNOCKSHIRE—(contd.).									
		in.	ft.	in.	ft.	in.	in.		
8.—WYE—(contd.).									
M §Birmingham W.W. (Cors-yr-hwch) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1775	87·3	92·90	...	...
M §Birmingham W.W. (Esgair Ceiliog) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1560	77·3	89·06	...	...
M §Birmingham W.W. (Llyn-Carw) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1775	79·3	88·55	...	...
M §Birmingham W.W. (Nant-y-car) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1545	76·5	83·80	...	...
M §Birmingham W.W. (Arban) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1500	73·2	84·55	...	...
M §Birmingham W.W. (Tyn-y-pant) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1320	62·0	71·30	...	...
M §Birmingham W.W. (Esgair Garthen) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1590	75·5	83·00	...	...
D Birmingham W.W. (Elan Village) ...	C. A. Risbridger, Esq., C.E.	5	1	0	700	54·4	61·68	250	184
RADNORSHIRE. (Area, 474 sq. mi.)—									
1.—WYE. 424 sq. mi.									
D Glasbury-on-Wye ...	R. A. Bufton, Esq. ...	5	1	0	276	...	39·80	211	166
D Llyswen (Llanstephan House Gdns.) ...	Lady Milford ...	5	1	3	440	...	46·42	213	185
D Erwood (Bridgend) ...	Mr. J. E. Bufton* ...	5	1	0	407	...	49·38	223	172
D Hay (Llanbwchlllyn, Lower) ...	Painscastle R.D.C. ...	5	1	0	985	...	43·45	208	173
M Hay (Llanbwchlllyn, Upper) ...	Painscastle R.D.C. ...	5	1	0	1400	...	45·09	...	...
D Newchurch ...	F. E. Lloyd, Esq.* ...	5	1	0	801	...	42·20	189	162
D §Builth (Cefndyrys) ...	Capt. E. A. Thomas ...	5	1	0	740	41·5	44·79	208	170
D Builth (Pencerrig) ...	Mrs. C. L. Evan-Thomas ...	5	1	6	750	...	42·42	184	156
d Llansaintfraed-in-Elvel ...	D. E. Ebrey, Esq.* ...	5	1	0	673	38·7	40·97	...	...
Llanfihangel-nant-Melan ...	J. C. B. Slater, Esq.* ...	5	1	0	985	...	46·00	...	...
D New Radnor (Harpton Court Gdns.) ...	Sir Henry Duff Gordon, Bt. ...	5	0	6	700	43·8	46·59	216	176
D Presteign (Evancoyd) ...	Major C. J. L. Lewis ...	5	1	0	744	...	40·65	219	155
D LLANDRINDOD WELLS (The Common) ...	Clerk to the U.D.C. ...	5	1	0	772	...	43·77	224	173
d Cascob (Forester's Lodge) ...	Forestry Commission ...	5	1	0	1000	...	52·65	...	151
D §Birmingham W.W. (Tyrrynydd) ...	C. A. Risbridger, Esq., C.E.	5	1	0	832	62·1	68·18	252	193
D Birmingham W.W. (Ciloerwynt) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1045	...	73·17	258	202
D Birmingham W.W. (Nantgwillt) ...	C. A. Risbridger, Esq., C.E.	5	1	0	840	63·2	67·97	253	193
M §Birmingham W.W. (Esgair Gader) 2 ...	C. A. Risbridger, Esq., C.E.	5	1	0	1500	67·3	78·83	...	...
M Birmingham W.W. (Tynlidiart) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1006	62·9	72·37	...	...
M §Birmingham W.W. (Claerwen) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1250	67·7	73·25	...	...
D §Birmingham W.W. (Tynant) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1020	64·3	77·79	256	196
D §RHAYADER ...	R. Ashton, Esq., for M.O. ...	5	1	0	757	47·0	51·80	224	172
D Rhayader (East Street) ...	R. Ashton, Esq. ...	5	1	0	700	49·2	53·80	209	175
d Llanddewi-Ystradenny ...	J. E. Price, Esq.* ...	5	1	0	767	...	42·13	...	...
M §Birmingham W.W. (Cerigllwydion) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1710	72·4	83·10	...	...
M §Birmingham W.W. (Pen-y-gareg) 1 ...	C. A. Risbridger, Esq., C.E.	5	1	0	1500	...	67·68	...	...
M §Birmingham W.W. (Pen-y-gareg) 2 ...	C. A. Risbridger, Esq., C.E.	5	1	0	1540	...	67·28	...	...
M Birmingham W.W. (Bryn Hir) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1470	74·2	83·35	...	...
M Birmingham W.W. (Abercaethon) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1240	67·1	76·96	...	...
M §Birmingham W.W. (Calettwr) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1490	72·5	80·83	...	...
D Abbey Cwmhir (The Hall) ...	Col. J. L. Philips ...	5	0	10	877	...	45·38	212	167
d Llangunllo ...	H. Kendrick, Esq.* ...	5	1	0	776	...	50·52	...	...
M §Birmingham W.W. (Figin) 2 ...	C. A. Risbridger, Esq., C.E.	5	1	0	1700	81·3	87·50	...	...
M Birmingham W.W. (Aberhenllan) ...	C. A. Risbridger, Esq., C.E.	5	1	0	1070	64·8	75·12	...	...
M Llanbister (Llananno) ...	Mrs. A. Jones, for M.O. ...	5	1	0	900	45·1	51·50	...	...
D St. Harmons ...	J. Hope, Esq.** ...	5	1	0	918	...	52·00	209	175
d §St. Harmons (Bwlch-y-sarnau) ...	Mr. E. Griffiths** ...	5	1	0	1288	...	50·10	193	170
D Llanbadarn-fynydd ...	Mr. P. A. Stephens** ...	5	1	0	974	...	47·25	233	190
D St. Harmons (Pen-Ithon) ...	Mrs. L. O. Morris* ...	5	1	0	1200	...	44·28	233	185
2.—SEVERN. Right Bank Tributaries. 50 sq. mi.									

* Per Wye River Board.

§ Turf wall round gauge.

** Per Wye River Board (by courtesy of the local County Council).

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of Rim above Ground	Height of Ground above Sea Level			Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
RADNORSHIRE—(contd.).									
MONTGOMERYSHIRE. (Area, 797 sq. mi.)									
1.—DOVEY. 120 sq. mi.									
d	Machynlleth (Llanbrynmair) ...	...	Messrs. G. M. Howe and R. A. Yates**	5	1 0	400	...	61.20	...
d	Machynlleth (Aberhosan) ...	...	Messrs. G. M. Howe and R. A. Yates**	5	1 0	425	...	65.34	...
D	Machynlleth (Darowen) ...	...	Messrs. G. M. Howe and R. A. Yates**	5	1 0	625	...	59.62	213 189
w	Corris (Esgairgeiliog Camp) ...	...	Forestry Commission	5	0 11	240	...	82.33	218 190
2.—YSTWYTH. 7 sq. mi.									
3.—WYE. 37 sq. mi.									
D	Birmingham W.W. (Bod-Talog) ...	...	C. A. Risbridger, Esq., C.E.	5	1 0	1250	65.8	82.78	240 216
	Birmingham W.W. (Glan-Fedwen) ...	...	C. A. Risbridger, Esq., C.E.	5	1 0	1375	67.7	84.54	...
	Llangurig (Manod) ...	...	Capt. M. Bennett-Evans*	5	1 0	1050	...	97.89	...
4.—SEVERN. Right Bank Tributaries. 154 sq. mi.									
D	Llanidloes (Hillfield) ...	...	G. E. Edwards, Esq.	5	1 6	550	...	50.20	200 176
d	Newtown (Mochdre Reservoir) ...	...	Surveyor	5	0 9	650	...	(44.93)	...
D	Hafren Nursery ...	...	Forestry Commission†	5	1 0	1220	...	73.34	213 196
M	Clywedog (Cwm Biga) ...	...	Montgomery County Council	5	1 0	1015	...	88.94	...
d	Clywedog (Aber Biga) ...	...	Montgomery County Council	5	1 0	900	...	68.05	...
M	Clywedog (Hafod Cadwgan) ...	...	Montgomery County Council	5	1 0	1150	...	91.25	...
	Clywedog (Dol Bachog) ...	...	Montgomery County Council	5	1 0	1030	...	65.90	...
d	Newtown (Penarth Weir) ...	...	Docks & Inland Waterways	8	1 0	321	35.0	45.58	...
D	Newtown (Gregynog Hall Gardens) ...	...	G. C. Austin, Esq.	5	1 0	650	...	42.43	242 185
D	Montgomery (Tre Llydiart) ...	...	N. P. Vaughan Pryce, Esq.	5	...	400	...	32.24	195 154
5.—SEVERN. Left Bank Tributaries. 479 sq. mi.									
D	Berriew (Brithdir Hall) ...	...	Mrs. F. E. Marston	5	1 0	350	30.7	38.20	215 162
D	WELSHPOOL (County School) ...	...	Headmaster	5	1 0	254	30.1	38.62	200 164
d	Welshpool (Fron Llwyd) ...	...	Col. G. B. D. Harrison	5	1 3	500	33.7	41.76	200 178
M	Gam (Cwm Derwen) ...	...	Montgomery County Council	5	1 0	960	...	68.80	...
D	Gam (Abercannon Farm) ...	...	Montgomery County Council	5	1 0	800	...	80.09	233 204
	Gam (Afon Cannon) ...	...	Montgomery County Council	5	1 0	1120	...	76.59	...
D	Llanymynech (Penrhos Vicarage) ...	...	Rev. W. Griffith	5	1 0	300	...	37.36	215 172
d	Twrch (Dol y Gaseg) ...	...	Montgomery County Council	5	1 0	810	...	77.84	...
M	Twrch (Cerniau) ...	...	Montgomery County Council	5	1 0	1160	...	91.00	...
M	Afon Twrch ...	...	Montgomery County Council	5	1 0	1390	...	86.60	...
d	Llanfyllin (Penllwyn) ...	...	Major J. E. M. Dugdale	5	0 7	649	40.4	49.36	209 182
M	Lake Vyrnwy (Cownwy Dam) ...	...	Liverpool Corpn. W.W.	8	1 0	929	55.7	74.74	...
w	Llanymynech (White Rock) ...	...	J. Moon, Esq.	5	1 0	350	...	31.12	...
D	Lake Vyrnwy ...	...	R. D. Adams, Esq.	5	0 7	770	54.0	71.63	231 200
	Lake Vyrnwy (Hen Gerig) ...	...	Liverpool Corpn. W.W.	5	1 0	1230	71.7	95.25	...
	Lake Vyrnwy (Bryn Gwyn) ...	...	Liverpool Corpn. W.W.	8	1 0	1311	56.7	76.23	...
	LAKE VYRNWY (Experimental Stn.)(+A) ...	...	Liverpool Corpn. W.W.	5	1 0	995	55.5	73.17	243 198
M	Lake Vyrnwy (Fron Goch) ...	...	Liverpool Corpn. W.W.	8	1 0	835	...	76.10	...
	Lake Vyrnwy (Ty Uchaf) ...	...	Liverpool Corpn. W.W.	8	1 0	860	58.1	74.60	...
M	Lake Vyrnwy (Heol-y-ffridd) No. 1 ...	...	Liverpool Corpn. W.W.	8	1 0	913	...	88.33	...
M	Lake Vyrnwy (Heol-y-ffridd) No. 2 ...	...	Liverpool Corpn. W.W.	8	1 0	830	...	87.10	...
M	Lake Vyrnwy (Tyn-y-ffridd) ...	...	Liverpool Corpn. W.W.	8	1 0	1010	...	69.51	...
M	Lake Vyrnwy (Lluestwen) ...	...	No. 2 Liverpool Corpn. W.W.	8	1 0	1620	...	96.85	...
M	Lake Vyrnwy (Llwynrhiw) ...	...	Liverpool Corpn. W.W.	8	1 0	1428	...	96.40	...

* Per Wye River Board.

† Per Montgomery County Council.

** Under auspices of Survey Council for Rural Wales

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
MONTGOMERYSHIRE—(contd.).									
		in.	ft.	in.	ft.	in.	in.		
5.—SEVERN—(contd.).									
Lake Vyrnwy (Nant Cawell) ...	Liverpool Corp'n. W.W. ...	5	1	0	1610	77·4	102·22	...	...
§Lake Vyrnwy (Hirnant) ...	Liverpool Corp'n. W.W. ...	8	1	0	766	...	66·93	...	...
M Lake Vyrnwy (Eunant Bridge) ...	Liverpool Corp'n. W.W. ...	5	1	0	830	...	88·35	...	...
M Lake Vyrnwy (Gadfa) ...	Liverpool Corp'n. W.W. ...	5	1	0	1521	81·4	107·60	...	...
M Lake Vyrnwy (Carreg Goch) ...	Liverpool Corp'n. W.W. ...	8	1	0	1780	66·1	84·28	...	...
M Lake Vyrnwy (Rhiwargor) ...	Liverpool Corp'n. W.W. ...	5	1	0	860	...	85·05	...	...
M Lake Vyrnwy (Hen Eglwys) ...	Liverpool Corp'n. W.W. ...	5	1	0	1420	...	83·60	...	...
M Lake Vyrnwy (Stone) ...	Liverpool Corp'n. W.W. ...	5	1	0	1499	72·2	91·35	...	...
M §Lake Vyrnwy (Fawnog) ...	Liverpool Corp'n. W.W. ...	8	1	0	1315	55·7	72·30	...	...
Lake Vyrnwy (Pennant Melangell) ...	Liverpool Corp'n. W.W. ...	8	1	0	660	...	73·05	...	...
Lake Vyrnwy (Erw Berfedd) ...	Liverpool Corp'n. W.W. ...	5	1	0	1800	...	97·65	...	...
d Pen-y-bont (Rhiwlas) ...	Liverpool Corp'n. W.W. ...	5	1	0	748	...	52·37	...	...
FLINTSHIRE. (Area, 256 sq. mi.)									
1.—DEE. 198 sq. mi.									
D Hanmer (Gredington) ...	Lady Kenyon ...	5	1	0	300	30·4	35·42	197	159
D HAWARDEN Airfield ...	Meteorological Office ...	5	1	0	15	...	32·44	197	156
D Mold (Mount Pleasant) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	503	...	38·25	206	166
D Cilcain (No. 2 Reservoir) ...	Hawarden & Dist. W.W. Co. ...	5	1	0	785	...	40·36	229	180
W Cilcain (No. 4 Reservoir) ...	Hawarden & Dist. W.W. Co. ...	5	1	0	900	...	40·33	...	...
D Northop (Soughton Hall) ...	R. W. Banks, Esq. ...	5	1	0	418	32·1	38·24	213	163
D Cilcain (Cilcen Hall) ...	Miss W. Yates ...	5	0	9	700	29·7	37·08	196	161
D Connah's Quay (Mold Road) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	43	...	34·10	209	159
D Connah's Quay (Pengwladys) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	231	...	34·55	211	164
D HAWARDEN BRIDGE ...	Messrs. J. Summers & Sons ...	8	1	0	17	24·3	32·79	205	154
d Halkyn (Bryn Awel) ...	Halkyn District Mines, Ltd. ...	5	0	7	870	...	40·31	...	...
2.—CLWYD. 51 sq. mi.									
D Bodfari (Nantlys) ...	A. D. H. Pennant, Esq. ...	5	1	5	178	27·4	32·51	218	167
D Dyserth (Penlee) ...	L. Wilson, Esq. ...	5	1	0	260	...	32·42	212	143
D RHYL (Westbourne Avenue) ...	(+A) Urban District Council ...	5	1	0	31	25·8	29·96	191	139
D PRESTATYN ...	Urban District Council ...	5	1	0	18	...	30·87	188	147
3.—SEVERN. Left Bank Tributaries. 7 sq. mi.									
DENBIGHSHIRE. (Area, 668 sq. mi.)									
1.—DEE. 278 sq. mi.									
M Glynceirog (Plas Nantyr) ...	C. B. C. Storey, Esq. ...	5	1	0	1500	49·7	57·47	...	...
D Chirk Castle Gardens ...	Mr. E. Jones ...	5	1	0	630	...	44·31	196	168
D Chirk (Old Vicarage) ...	Miss J. B. Jagger ...	5	1	0	350	...	41·23	211	175
D Llangollen (Vivod) ...	Mrs. Best ...	5	1	0	640	...	48·62	219	174
D Ruabon (Trevor Hall) ...	E. Lloyd Edwards, Esq. ...	5	1	2	500	30·9	42·98	226	182
M Wrexham W.W. (Mountain Lodge) ...	Engineer ...	8	0	9	1100	...	44·51	...	...
d Wrexham W.W. (Ty Mawr Res.) ...	Engineer ...	5	0	9	805	39·1	43·80	220	179
D Wrexham W.W. (Pack Saddle Res.) ...	Engineer ...	5	0	9	370	32·0	39·24	221	180
d Wrexham W.W. (Cae Llwyd Res.) ...	Engineer ...	8	0	9	918	41·1	45·64	222	177
M Wrexham W.W. (World's End) ...	Engineer ...	5	1	0	1573	...	51·35	...	...
§Wrexham W.W. (Erwau) ...	Engineer ...	5	1	0	1160	...	50·73	...	...
M Wrexham W.W. (Gwter Siani) ...	Engineer ...	5	1	0	1503	...	54·53	...	...
M Wrexham W.W. (Abersychnant) ...	Engineer ...	5	1	0	1370	...	53·25	...	...
M Wrexham W.W. (Minera) ...	Engineer ...	5	0	9	1400	...	44·22	...	...

§ Turf wall round gauge.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of Rim above Ground	Height of Ground above Sea Level			Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
DENBIGHSHIRE—(contd.).									
1.—DEE—(contd.).									
D Wrexham (Salisbury Park) ...	S. E. Ashmore, Esq. ...	5	1	0	283	...	33·08	220	163
D WREXHAM (Grove Pk. C'nty Sch.)(+A)	S. E. Ashmore, Esq. ...	5	1	0	273	...	31·52	213	161
D Pendinas Reservoir ...	Brymbo Water Co. ...	5	1	0	1249	...	49·48	234	178
D BWLCHGWYN ...	S. E. Ashmore, Esq. ...	5	1	0	1267	...	51·36	241	182
D Nantffrith Reservoir ...	Brymbo Water Co. ...	5	0	6	1040	...	48·63	226	181
D Llanfihangel-glyn-myfyr ...	E. G. Hutson, Esq., C.E. ...	5	1	0	898	43·7	50·35	233	194
D River Alwen (Alwen Filter House) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	1100	46·4	57·86	239	195
D River Alwen (Alwen Dam) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	1189	49·1	61·50	239	201
D River Alwen (Hafod-y-lan-isaf) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	1180	...	59·12	239	199
D River Brenig (Hafod-yr-onen) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	1175	...	57·40	...	...
M Nantglyn (Pant-y-maen) ...	E. G. Hutson, Esq., C.E. ...	8	1	0	1320	50·3	63·15	...	...
M Llyn Brân ...	E. G. Hutson, Esq., C.E. ...	8	1	0	1428	52·1	61·42	...	...
2.—CLWYD & C. 267 sq. mi.									
D Ruthin (Nantclwyd Hall) ...	Sir E. Naylor-Leyland, Bt. ...	8	4	0	600	...	47·72	206	170
D Clawdd-newydd No. 2 ...	E. G. Hutson, Esq., C.E. ...	5	1	0	983	37·5	47·25	215	196
d Clawdd-newydd (Foel Fach) ...	Forestry Commission ...	5	0	8	1000	...	43·68	...	...
Ruthin (Corwen Road) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	234	...	41·19	...	...
Llyn Aled ...	J. Round, Esq., A.M.I.C.E. ...	5	1	6	1200	...	60·36	...	...
Llyn Aled (Moel-y-Bryniau) ...	J. Round, Esq., A.M.I.C.E. ...	5	1	4	1250	...	58·14	...	...
D Llangynhafel (Plâs Drâw) ...	E. J. Carlyle, Esq. ...	5	1	0	419	31·1	36·23	209	164
D Denbigh (Mental Hospital) ...	Clerk & Steward ...	5	1	0	316	...	37·49	220	182
D Llangwyfan (N. Wales Sanatorium) ...	Medical Superintendent ...	5	1	0	460	...	36·47	233	176
D Denbigh (Henllan) ...	H. Wilson, Esq. ...	5	1	0	460	...	33·62	224	166
M Llanefydd (Dolwen Res. S.) ...	J. Round, Esq., A.M.I.C.E. ...	5	1	0	600	...	38·04	...	...
M Llanefydd (East) ...	J. Round, Esq., A.M.I.C.E. ...	5	1	0	570	...	37·35	...	...
D Llanefydd (Plas Uchaf Res.) ...	J. Round, Esq., A.M.I.C.E. ...	5	1	0	485	...	33·72	223	158
D Llanefydd (Glascoed Res.) ...	J. Round, Esq., A.M.I.C.E. ...	5	1	0	360	...	40·04	215	167
D COLWYN BAY (Eirias Park) ...	Borough Surveyor ...	5	1	0	118	31·1	38·33	203	162
3.—CONWAY. 4 sq. mi.									
D Pentre Voelas (Voelas Hall) ...	Col. J. C. Wynne Finch ...	5	1	3	640	53·2	62·75	221	188
D Tal-y-Cafn (Bodnant) ...	Lord Aberconway C.B.E. ...	5	0	10	150	...	48·48	200	175
4.—SEVERN. Left Bank Tributaries. 47 sq. mi.									
D Llansilin (Penygwely Res.) ...	J. E. Taylor, Esq., C.E. ...	5	1	0	1115	...	49·43	222	181
MERIONETHSHIRE. (Area, 661 sq. mi.)									
1.—DEE. 218 sq. mi.									
D Llanuwchllyn (Plas-deon) ...	Capt. G. A. Wright, O.B.E.* ...	5	1	0	555	60·5	77·21	252	223
M Cwm Hirnant (Maesafallen) ...	Capt. G. A. Wright, O.B.E.* ...	5	1	4	957	60·8	80·80	...	...
M §Afon Lliw (Blaen Lliw Isaf) ...	Capt. G. A. Wright, O.B.E.* ...	5	1	6	1279	85·6	99·40	...	...
D Bala (Boys' Grammar School) ...	Capt. G. A. Wright, O.B.E.* ...	5	1	3	536	...	58·68	208	185
d Llandrillo (Crogen) ...	H. Robertson, Esq. ...	8	1	0	530	...	55·24	...	...
M §Trawsfynydd (Cwm Prysor) ...	British Electricity Authority ...	5	1	3	1300	78·0	85·80	...	...
Llyn Arenig Fach ...	Capt. G. A. Wright, O.B.E.* ...	5	1	5	1511	...	95·10	...	...
D Bala (Craig Nant) ...	Capt. G. A. Wright, O.B.E.* ...	5	1	0	1030	76·5	78·11	197	181
D Corwen (Bryntirion) ...	Admiral Stapleton-Cotton ...	5	0	9	570	...	45·54	222	177
D Derwen (Minffordd) ...	E. G. Hutson, Esq., C.E. ...	5	1	0	971	...	48·60	...	...

§ Turf wall round gauge.

* Per Dee and Clwyd River Board.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of Rim above Ground	Height of Ground above Sea Level			Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
MERIONETHSHIRE—(contd.).									
2.—CLWYD. 7 sq. mi.									
3.—GLASLYN. 92 sq. mi.									
d Harlech (Dorwyn) ...	R. F. Pearce, Esq. ...	5	0	8	60	...	49.21	226	179
d Harlech (Royal St. Davids Golf Club) ...	Secretary ...	5	1	2	15	...	49.41	...	...
D Harlech (Hendre) ...	E. H. Price, Esq. ...	5	1	0	750	...	69.37	226	187
M Trawsfynydd (Cefn Gell-y-Cwm) ...	British Electricity Authority	5	1	0	665	...	76.05	...	...
Trawsfynydd (Tyn Twll) ...	British Electricity Authority	5	1	3	750	...	81.20	...	...
M Trawsfynydd (Darn Gae) ...	British Electricity Authority	5	1	0	950	71.3	85.10?	...	...
d Pandyrddrwyrd (Main Dam) ...	British Electricity Authority	5	1	3	650	...	70.42	...	...
w Tyddyn-y-Gareg (Hendre Mur) ...	British Electricity Authority	5	1	3	660	...	72.98	...	...
D Festiniog (Hafod Fawr) ...	Forestry Commission ...	8	1	4	1000	...	86.56	231	194
D Llyn Morwynion ...	Ffestiniog U.D.C. ...	5	1	0	1320	...	104.33	231	209
D Manod Ffestiniog ...	Ffestiniog U.D.C. ...	5	1	0	713	...	98.69	235	209
d Blaenau Festiniog (Oakeley Q.) ...	G. W. Humphreys, Esq. ...	5	1	0	1100	106.5	112.23	205	190
D Blaenau Festiniog (Llechwedd Q.) ...	Messrs. J. W. Greaves & Son	5	1	0	700	101.1	112.66	225	205
4.—MAWDDACH & C. 262 sq. mi.									
D Towyn (Ynys-y-Maengwyn) ...	Mr. E. J. Davies ...	5	1	0	14	...	49.69	207	186
D Towyn (Bronffynnon) ...	Dr. T. Henry Jones ...	5	1	0	180	...	50.15	219	181
D BARMOUTH ...	Urban District Council ...	5	1	0	10	...	50.31	229	187
Dolgelley (Bronygader) ...	Lt.-Col. A. E. Jelf-Reveley	5	1	0	200	...	80.01	...	...
D Dolgelley (Borthwnog) ...	Col. C. W. H. Crichton ...	5	1	0	5	...	65.16	228	192
d Llanbedr (Llwyn) ...	A. Towers, Esq. ...	5	1	6	50	...	49.78	...	...
5.—DOVEY. 82 sq. mi.									
D Aberdovey (Plas Penhelig) ...	J. M. Howell, Esq., D.L. ...	5	1	0	150	...	48.84	233	191
D Pennal (Llwyn-Celyn) ...	Lt.-Col. M. V. le P. Trench	5	1	0	30	...	66.00	224	191
d Aberllefenni ...	Messrs. G. M. Howe and R. A. Yates**	5	1	0	350	...	98.76	...	...
D Aberangell (Gwynynd) ...	J. Norman Jones, Esq. ...	5	0	10	450	...	83.59	221	204
D Hendre Goed (Hendre Ddu Cottages) ...	Messrs. G. M. Howe and R. A. Yates**	5	1	0	650	...	101.12	202	198
d Bwlch-y-Fedwen ...	Messrs. G. M. Howe and R. A. Yates**	5	1	0	...	...	97.66	...	...
D Upper Corris ...	Messrs. G. M. Howe and R. A. Yates**	5	1	0	650	...	104.20	221	201
d Bwlch Oerddrws ...	Messrs. G. M. Howe and R. A. Yates**	5	1	0	700	...	90.92	...	...
d Mallwyd (Dinas Mawddwy) ...	Messrs. G. M. Howe and R. A. Yates**	5	1	0	300	...	84.50	...	...
D Machynlleth (Dovey Bridge) ...	Messrs. G. M. Howe and R. A. Yates**	5	1	0	50	...	72.06	196	180
6.—SEVERN. Left Bank Tributaries.									
CAERNARVONSHIRE. (Area, 572 sq. mi.)									
1.—BARDSEY ISLAND.									
2.—CONWAY & C. 146 sq. mi.									
D Capel Curig (Glyn Curig) ...	W. S. Parrott, Esq., J.P. ...	5	2	1	710	84.8	101.98	252	214
Lake Cowlyd (Capel Curig) ...	British Electricity Authority	5	1	6	1400	...	101.19	...	...
Lake Llugwy ...	British Electricity Authority	5	1	0	1820	100.1	114.11	...	...
L. Cowlyd (Ffrith Garreg Wen) A. ...	Conway & Colwyn Bay W.Bd.	5	1	0	1168	92.0	98.47	...	...
||Lake Cowlyd (Ffrith Fawr) B. ...	Conway & Colwyn Bay W.Bd.	5	1	0	1700	...	104.03	...	...

* Per Dee and Clwd River Board.

|| Gauge over-exposed.

**Under auspices of Survey Council for Rural Wales.

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

STATIONS		AUTHORITIES		Rain-gauge				Average Rain-fall	1951		
				Diam.	Height of		ft.		in.	in.	Days with ·01 in. or more
ft.	in.	ft.	in.		in.	in.					
CAERNARVONSHIRE—(contd.).				in.	ft.	in.	ft.	in.	in.		
2.—CONWAY & C.—(contd.).											
	Lake Cowlyd (Cowlyd)	...	British Electricity Authority	5	1	0	1400	83·9	95·07	...	...
D	Lake Eigiau (Dam Site)	...	British Electricity Authority	5	1	5	1244	...	92·35	234	219
	Llanbedr-y-Cennin (Llyndulyn)	...	J. A. Edwards, Esq., C.E.	8	1	6	1632	102·7	122·68	...	...
	Llanbedr-y-Cennin (Plasdulyn)	...	J. A. Edwards, Esq., C.E.	8	1	0	509	...	63·61	...	...
d	Conway (Mussel Tanks)	...	Min. of Agric. & Fisheries	5	1	0	50	...	36·43	...	...
D	LLANDUDNO (Cricket Ground)	...	Medical Officer of Health	5	1	1	13	28·1	36·33	200	151
3.—MENAI STRAITS. 221 sq. mi.											
D	Edeyrn Tydweiliog (Cefnamwlch)	...	Col. W. H. Wynne Finch	5	1	0	300	...	45·51	181	157
d	Madryn Castle (Farm School)	...	Principal	8	1	6	278	39·0	48·55	200	157
d	Edeyrn (Henfaes)	...	J. St. Bodfar Gruffydd, Esq.	5	1	0	50	...	43·06	...	...
M	Nantlle (Dorothea Quarry)	...	Dorothea Slate Quarry Co., Ltd.	5	2	0	300	...	72·10	...	...
D	Bethesda (Penrhyn Quarries)	...	General Manager	8	1	0	527	65·8	73·58	211	191
D	Port Dinorwic (Vaynol)	...	Sir Michael Assheton-Smith	5	0	8	100	...	47·67	204	166
D	ABER (University College Farm)	...	Professor of Agriculture	5	1	0	60	...	52·38	220	168
d	Llanfairfechan (School House)	...	Surveyor U.D.C.	5	1	0	120	37·9	50·19	...	159
d	Peninaenmawr (Treforris Road)	...	Mrs. E. H. Leonard	5	1	2	160	...	44·04	208	169
4.—ERCH & C. 155 sq. mi.											
d	Abersoch (Groeslon)	...	Mrs. E. H. Hooton	8	0	11	200	...	43·83	...	...
D	Pwllheli (West End)	...	B. V. Howell, Esq.	8	1	3	9	...	41·97	195	166
5.—GLASLYN. 50 sq. mi.											
D	Portmadoc (Wern)	...	Lt.-Col. M. I. Williams-Ellis	5	1	0	20	...	51·08	237	180
D	Beddgelert (Primary School)	...	Headmaster	5	1	2	133	88·6	92·91	240	194
W	Hafodtanygraig	...	Arnold White, Esq.	5	1	6	280	97·6	108·55	...	...
D	Snowdon (Cwm Dyli) 11	...	British Electricity Authority	5	1	0	310	117·9	144·41	248	235
D	Snowdon (Cwm Dyli, Old Rd.) 14(+A)	...	British Electricity Authority	5	0	10	325	...	136·12	247	230
M	Snowdon (Llewedd) 2	...	British Electricity Authority	5	1	3	1485	...	152·20	...	...
M	Snowdon (Delta) 7	...	British Electricity Authority	5	1	0	1435	...	173·90	...	...
M	Snowdon (Glaslyn) 3	...	British Electricity Authority	5	0	8	2050	...	151·60	...	...
M	Snowdon (Teryn) 1	...	British Electricity Authority	5	1	0	1080	...	166·00	...	...
d	Snowdon (Llydaw Intake) 10	...	British Electricity Authority	5	1	0	1480	...	148·59	...	...
W	Snowdon (L. Llydaw Copper Mine) 9	...	British Electricity Authority	5	1	5	1480	...	163·76	...	...
M	Snowdon (Grib Goch) 8	...	British Electricity Authority	5	1	3	2340	...	172·90	...	...
ANGLESEY. (Area, 275 sq. mi.)											
D	Bryn-siencyn (Trefarthen)	...	Miss E. Meyrick	5	1	0	30	...	38·34	195	156
D	Newborough Forest	...	Forestry Commission	5	0	9	5	...	38·87	209	164
d	Plas Cadnant	...	Mr. Speddy	5	1	0	156	...	46·05	...	...
D	Llangefni (Glanaber)	...	M. Spencer Rogers, Esq., C.E.	8	1	2	70	...	46·52	194	161
d	Llansadwrn (Treffos)	...	C. P. Vivian Hampton, Esq.	5	...	...	318	...	46·64	...	...
D	Llansadwrn (Gadlys Cottage)	...	A. E. C. Morgan, Esq., M.A.	5	1	0	340	...	45·24	251	172
D	§HOLYHEAD (VALLEY Airfield) (+A)	...	Meteorological Office	8	1	0	32	...	39·19	191	154
D	Llanerchymedd (Llwydiarth Esgob)	...	T. S. Bown, Esq.	5	1	0	175	38·1	46·57	218	180
D	Marian Glas (Old Parciau)	...	Capt. M. R. Macnab	5	1	0	350	...	50·60	207	182
	Amlwch (Dyffryn Adda)	...	Mr. Senogles	5	1	3	178	36·3	41·77	210	173
d	Cemaes Bay (Waterworks)	...	Twrcelyn R.D.C.	5	1	0	250	...	41·59	...	...

§Turf wall round gauge.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
ISLE OF MAN. (Area, 227 sq. mi.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
D RONALDSWAY Airport	Meteorological Office ...	5	1	0	55	...	34·71	195	147
D Ballagawne Reservoir	T. C. Greenfield, Esq., B.Sc.	5	1	0	365	...	40·32	212	157
W Douglas (Cringle Reservoir) ...	T. C. Greenfield, Esq., B.Sc.	5	1	0	500	...	48·02	...	...
D DOUGLAS (Borough Cemetery) ...	Borough Surveyor ...	5	1	0	284	41·2	46·58	206	162
D Douglas (Clype Reservoir, Onchan)...	Water Engineer ...	8	1	0	440	43·9	49·63	233	171
D West Baldwin Reservoir	Water Engineer ...	5	1	0	475	55·7	66·28	231	192
M § Sulby Glen (Block Eary Dam) ...	T. C. Greenfield, Esq. B.Sc.	5	1	6	620	...	72·18	...	...
Maughold Head	Com'rs. of N. Lighthouses	5	0	6	230	...	46·65	197	161
D Sulby (Filter House)	T. C. Greenfield, Esq., B.Sc.	5	2	6	106	...	55·17	207	162
D POINT OF AYRE	Lightkeeper, for M.O. ...	8	1	0	30	...	38·55	203	158
CHANNEL ISLANDS. (Area, 76 sq. mi.)									
JERSEY. 45 sq. mi.									
D La Rocque (Sandhurst)	H. C. Bisson, Esq.* ...	5	1	6	10	...	38·14	199	153
D St. Saviour's (Petit Ménage) ...	G. J. Robin, Esq. ...	5	0	10	30	...	41·28	216	165
D St. HELIER (Harbour Office) ...	Greffier ...	8	1	0	28	...	38·14	199	153
D St. Helier (St. Louis Observatory) (+A)	Rev. Father C. Rey, S.J.* ...	8	1	5	180	30·4	40·10	211	161
D St. Brelade (La Sergenté)	W. Benest, Esq.* ...	5	1	4	194	...	39·84	202	163
D La Colline (Gorey)	R. Burrow, Esq. ...	...	...	...	...	...	38·55	199	156
D St. Lawrence (Beaumont Marsh) ...	R. Burrow, Esq. ...	5	1	0	60	...	47·88	200	166
D Millbrook Reservoir	R. Burrow, Esq. ...	5	1	11	53	...	44·18	199	163
D Mont au Prêtre (Belmont)	W. H. L. Ewart, Esq. C.B.E.	5	1	7	250	...	43·48	214	169
D St. Ouen's Manor	Sir Guy Malet de Carteret*	...	...	...	...	...	38·99	192	159
D Handois Reservoir	R. Burrow, Esq. ...	5	1	0	272	...	48·72	218	174
D Trinity (States Experimental Farm) ...	States of Jersey* ...	5	0	10	340	...	43·26	204	165
D St. Ouen (Vinchalez)	F. le Maistre, Esq.* ...	5	0	11	260	...	41·79	208	165
GUERNSEY. 25 sq. mi.									
D Haut Nez	W. H. Morgan, Esq. ...	5	1	0	340	...	42·67	187	155
D Kings Mills	W. H. Morgan, Esq. ...	5	1	0	45	...	40·18	173	153
D Les Quartiers	A. Higgs, Esq. ...	5	1	2	50	...	43·09	210	152
D GUERNSEY (STATES AIRPORT) ...	Commandant ...	5	1	0	340	...	40·53	205	151
D Vale (La Turquie Hill)	H. W. Smith, Esq. ...	5	1	0	40	...	33·97	201	150

Scotland

DIVISION XII—SOUTHERN COUNTIES

WIGTOWNSHIRE. (Area, 488 sq. mi.)

1.—LOCH RYAN. 46 sq. mi.									
D Castle Kennedy (Lochinch)	The Earl of Stair ...	5	1	0	85	...	45·51	221	172
2.—WESTERN GALLOWAY. 44 sq. mi.									
D || Logan House	Mr. G. Steadwood ...	8	1	2	60	37·3	39·00	234	159
Corsewall	Com'rs. of N. Lighthouses...	5	1	6	48	...	35·87	...	...
3.—LUCE BAY. 186 sq. mi.									
d Port William (Monreith)	Monreith Estate Company	5	1	0	145	38·5	41·20	196	160
D Stoneykirk (WEST FREUGH Airfield) (+A)	Meteorological Office ...	5	1	0	52	...	39·23	205	151
W Glenluce (Dunragit)	Dept. of Agriculture ...	5	1	0	341	...	43·44	...	...
d Glenluce (Camrie Reservoir)	Dept. of Agriculture ...	5	1	2	323	...	49·77	201	176

§ Turf wall round gauge.

|| Gauge Sheltered.

* Per R. Burrow, Esq.

DIVISION XII—SOUTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
WIGTOWNSHIRE—(contd.).									
4.—CREE & WIGTOWN BAY. 212 sq. mi.									
D Garlieston (Galloway House) ...	P. H. Fletcher, Esq. ...	5	0	11	30	39.1	42.50	211	158
D Garlieston (Culderry) ...	Capt. A. Walmsley ...	5	1	0	25	...	41.25	207	158
D Newton Stewart (Little Barraer) ...	H. P. Hawthorn, Esq. ...	5	1	0	180	44.8	51.34	216	166
D Newton Stewart (Duncree) ...	Maj.-Gen. Sir Keith Stewart	5	1	0	125	...	50.02	215	163
KIRKCUDBRIGHTSHIRE. (Area, 902 sq. mi.)									
1.—DOON. 16 sq. mi.									
M Rig of Millmore ...	British Electricity Authority	5	1	0	1450	...	88.11	...	...
2.—CREE & WIGTOWN BAY. 222 sq. mi.									
d Kirroughtree Forest ...	Forestry Commission ...	5	1	3	50	...	57.18	...	...
3.—DEE. 377 sq. mi.									
D TONGLAND (Power Station) ...	British Electricity Authority	5	1	0	69	...	51.56	201	168
D Threave ...	Major A. F. Gordon ...	5	1	0	275	...	51.70	199	161
D Mossdale (Hensol) ...	The Marchioness of Ailsa ...	8	1	0	200	51.7	59.27	190	177
D Laggan of Dee ...	British Electricity Authority	5	1	0	550	...	75.42	212	187
D Clatteringshaws (Tunnel Intake) ...	British Electricity Authority	5	1	0	600	70.5	78.74	228	190
D New Galloway (Wellwood) ...	W. McClure, Esq. ...	5	1	0	232	...	61.51	226	176
D Craigencaillie ...	British Electricity Authority	5	1	0	740	80.1	90.14	260	243
D Loch Dee ...	British Electricity Authority	5	1	0	800	81.5	94.57	...	...
D ||Dalry (GLENLEE) ...	(+A) British Electricity Authority	5	1	0	181	...	67.27	224	187
D Dalry (Garroch) ...	Arthur Young, Esq. ...	8	1	0	250	59.7	66.66?	223	183
D Dalry (Creaganfois) ...	R. C. Hayward, Esq. ...	5	1	0	410	...	57.62?	208	182
D Carsphairn (Fingland) ...	British Electricity Authority	5	1	0	940	51.1	60.68	254	186
D Dalry (Forrest Lodge) ...	Sir John Wood, Bart. ...	5	1	0	500	63.2	76.15	257	207
D Carsphairn (The Knowe) ...	J. A. Hunter, Esq. ...	8	2	0	550	...	61.26	216	178
D Carsphairn (Cornharrow) ...	British Electricity Authority	5	1	0	810	53.6	65.59	216	193
D Carsphairn (Knockengarroch) ...	British Electricity Authority	5	1	0	740	58.2	58.23	231	203
4.—URR & C. 196 sq. mi.									
D Auchencairn (Daffin Cottage) ...	Mr. J. H. Milligan ...	5	1	3	50	...	50.27	209	168
D Auchencairn (Torr House) ...	Thomas Ovens, Esq. ...	5	1	0	50	47.1	52.25	...	...
D Castle Douglas (Corbieton) ...	Miss A. G. Biggar ...	5	0	9	175	...	53.23	211	183
D Chipperkyle ...	Miss Isobel Pollock-Morris	5	1	6	310	...	54.81	201	187
5.—NITH & C. 91 sq. mi.									
D Lochrutton (Dumfries W.W.) ...	J. R. Whyte, Esq., C.E. ...	5	1	0	273	44.0	54.05	211	175
D Glenkiln Reservoir ...	J. R. Whyte, Esq., C.E. ...	5	1	0	450	...	66.13	198	177
DUMFRIESSHIRE. (Area, 1,074 sq. mi.)									
1.—CLYDE. Right Bank Tributaries. 5 sq. mi.									
M Daer (Whiteholm) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	1360	...	90.14	...	...
2.—URR. .6 sq. mi.									
3.—NITH & C. 421 sq. mi.									
D RUTHWELL (Comlongon Castle) ...	The Earl of Mansfield ...	5	1	0	95	35.5	42.93	214	156
D §DUMFRIES (Crichton Royal Institute) ...	Physician Superintendent ...	5	1	0	140	39.1	46.75	208	156
D Blackwood ...	T. H. Kennedy, Esq. ...	5	1	6	100	41.1	51.45	242	185
D Maxwellton House ...	Maj. Gen. Sir J. E. Laurie, Bt. ...	5	1	0	350	...	49.15	219	174
D Kettleton ...	County Engineer ...	5	1	0	640	...	54.84	229	196
M §Corsehill ...	County Engineer ...	5	1	0	1850	...	(97.24)	...	...

|| Gauge Sheltered.

§ Turf wall round gauge.

DIVISION XII—SOUTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	Sea Level			·01 in. or more	·04 in. or more
DUMFRIESSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
3.—NITH & C. 421 sq. mi.—(contd.).									
M Whiteside Hill	County Engineer	5	1	0	1680	...	(85·69)	...	...
M Eucharhead	County Engineer	5	1	0	1370	...	(90·95)	...	...
D Euchar Bank	County Engineer	5	1	0	1080	...	77·56	245	202
M Poltallan Burn	County Engineer	5	1	0	1550	...	(76·18)	...	...
D Durrisddeer (Drumlanrig)	W. E. Bourne, Esq.	5	0	9	191	43·6	56·52	247	190
4.—ANNAN. 367 sq. mi.									
D Dalton (Kirkwood)	Captain J. Steel	5	1	8	260	...	47·73	211	168
d Parkgate (Glenview)	Mr. J. M. Reid	5	1	0	538	...	62·18	221	174
M Forest of Ae (Cran Loch)	Mr. J. M. Reid	5	1	2	1100	...	68·98	...	...
d Moffat (Auchen Castle)	Sir W. R. Younger, Bart.	5	1	0	480	...	60·65	208	173
5.—ESK. 275 sq. mi.									
D Eaglesfield (Springkell Gardens)	Col. Sir E. A. Johnson-Ferguson, Bart.	5	1	0	303	41·3	50·54	206	156
D Half Morton (Solway Bank)	Major B. Johnson-Ferguson	5	1	0	470	...	52·61	226	165
D Canonbie (Irvine House)	Capt. J. G. Milne-Home	5	0	9	200	46·5	51·00	188	162
D Winterhope	County Engineer	5	1	0	570	...	61·48	241	188
D Langholm (Craigcleuch)	J. B. Robertson, Esq.	5	1	0	490	...	64·90	229	182
D Eskdalemuir (Sandyford)	County Engineer	5	1	0	728	...	57·19	220	185
M Eskdalemuir (Cairn Knowe)	County Engineer	5	1	0	1107	...	65·70	...	...
M Eskdalemuir (Blackeshead)	County Engineer	5	1	0	797	...	62·97	...	...
M Eskdalemuir (Peat Rig)	County Engineer	5	1	0	1251	...	75·33	...	...
M Eskdalemuir (Garwaldshiels)	County Engineer	5	1	0	941	...	(65·12)	...	...
M Eskdalemuir (Monkingshaw Knowe)	County Engineer	5	1	0	1054	...	69·62	...	...
D Eskdalemuir (Johnstone House)	Lady Lethem	5	1	0	650	...	64·75	224	177
M Eskdalemuir (Jock's Shoulder)	County Engineer	5	1	0	1757	...	77·38	...	...
D Eskdalemuir (Kiddamhill)	County Engineer	5	1	0	905	...	69·65	228	185
D ESKDALEMUIR Observatory	(+A) Meteorological Office	8	1	4	794	56·3	66·74	235	187
M Eskdalemuir (Cauld Law Grain)	County Engineer	5	1	0	1302	...	79·60	...	...
M Eskdalemuir (Pengrain)	County Engineer	5	1	0	1118	...	72·67	...	...
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.	5	1	0	500	...	32·37	220	140
3.—TWEED. Teviot & c. 431 sq. mi.									
D Hawick (Westerdykes)*	C. W. Grieve, Esq.	5	1	1	320	...	32·16	205	163
D Denholm (Spital Tower)	J. G. Leadbetter, Esq.	5	0	6	425	32·7	33·78	236	155
d Jedburgh (Jedneuk)	Capt. J. S. Aikman, M.C.	5	1	0	268	26·3	26·84	...	...
D Crailing	Mr. J. Y. Burns	5	1	0	190	27·6	26·30	209	137
d Ancrum (Monteviot)	Capt. J. S. Aikman, M.C.	5	1	0	210	29·8	27·32	...	134
D Melrose (Bowden, Kippilaw)	Mr. W. A. Henderson	5	1	1	500	...	30·29	197	144
4.—TWEED. Ettrick & c. 10 sq. mi.									
D Melrose (Dingleton Hospital)	Superintendent	5	1	0	480	30·8	28·89	192	132
D Melrose (The Anchorage)	Major J. A. Paton	5	1	3	300	...	31·61	182	138
5.—TWEED. Gala. 6 sq. mi.									
6.—TWEED. Leader & c. 25 sq. mi.									

§ Turf wall round gauge.

* Moved to Leaburn in August.

DIVISION XII—SOUTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
ROXBURGHSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
7.—TWEED. LOWER. Left Bank Tributaries. 25 sq. mi.									
D KELSO (FLOORS) ...	The Duke of Roxburghe ...	5	1	0	195	26·0	28·77	183	136
D LAUDER (THE ROAN) ...	H. H. Cowan, Esq. ...	5	1	0	550	...	31·74	188	146
8.—ESK. 106 sq. mi.									
W Newcastleton Forest ...	Forestry Commission ...	5	1	0	800	48·5	45·38	...	...

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 Manse ...	Rev. Dr. W. Addison ...	5	1	2	787	55·6	66·05	218	175
M Edinburgh W.W. (Megget Head) ...	Edinburgh Water Engineer ...	8	1	6	1496	...	90·82	...	...
D Walkerburn (Elibank) ...	Sir John Milne Home ...	5	1	0	440	...	38·04	198	157

3.—TWEED. UPPER. Right Bank Tributaries. 17 sq. mi.

4.—TWEED. UPPER. Left Bank Tributaries. 19 sq. mi.

D Caddonfoot (Fairnielee) ...	Mr. A. Bruce ...	5	1	0	450	32·5	38·15	210	158
D Galashiels (The Peel, Clovenfords) ...	Mr. Robert Orr ...	5	1	0	450	35·5	37·39	205	150
M §Galashiels (Knowsdean Reservoir) ...	Water Superintendent ...	5	1	0	892	...	37·20	...	...

5.—TWEED. Gala. 6 sq. mi.

PEEBLESSHIRE. (Area, 348 sq. mi.)

1.—TWEED. UPPER. Right Bank Tributaries. 127 sq. mi.

M §Edinburgh W.W. (Ballaman Hill) ...	Edinburgh Water Engineer	5	1	6	1700	...	(70·62)	...	...
M Edinburgh W.W. (Gameshope Loch) ...	Edinburgh Water Engineer	5	1	0	1900	...	(106·10)	...	...
M Edinburgh W.W. (Garelot Dod) ...	Edinburgh Water Engineer	5	1	6	2200	...	(90·15)	...	...
M Edinburgh W.W. (Loch Craig Head) ...	Edinburgh Water Engineer	8	1	6	2627	73·1	(89·71)	...	...
M Edinburgh W.W. (Gameshope Farm) ...	Edinburgh Water Engineer	8	1	6	1538	71·3	(92·87)	...	...
M Edinburgh W.W. (Fruid Farm) ...	Edinburgh Water Engineer	5	1	6	1020	...	60·10	...	...
M §Edinburgh W.W. (Shiel Hope) ...	Edinburgh Water Engineer	5	1	6	1300	...	65·04	...	...
M Edinburgh W.W. (Hawkshaw) ...	Edinburgh Water Engineer	5	1	6	1100	...	60·50	...	...
M Edinburgh W.W. (Talla Linns Foot) ...	Edinburgh Water Engineer	8	1	6	966	55·2	71·43	...	...
M Edinburgh W.W. (Upper Menzion) ...	Edinburgh Water Engineer	5	1	6	1020	...	55·13	...	...
M Edinburgh W.W. (Nether Garelet) ...	Edinburgh Water Engineer	5	1	0	1700	...	(68·68)	...	...
M §Edinburgh W.W. (The Rig) ...	Edinburgh Water Engineer	5	1	6	1150	...	56·30	...	...
M §Edinburgh W.W. (Quarter Hill) ...	Edinburgh Water Engineer	8	1	0	1196	46·4	57·69	...	...
D Edinburgh W.W. (Victoria Lodge) ...	Edinburgh Water Engineer	5	1	3	900	50·0	55·56	252	179

2.—TWEED. UPPER. Left Bank Tributaries. 192 sq. mi.

D Stobo Castle ...	Andrew Dunlop, Esq. ...	5	1	0	594	34·9	41·95	223	168
D PEBBLES (Kingsmeadows) ...	Mr. D. C. Eaglesham ...	5	1	0	525	...	37·26	192	147
D PEBBLES (GLENTRESS) ...	Forestry Commission ...	5	1	0	540	...	37·47	206	147

§Turf wall round gauge.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground above	Sea Level			·01 in. or more	·04 in. or more
PEEBLESSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
2.—TWEED. Upper.—(contd.).									
D West Linton (Woodlea Cottage) ...	Edinburgh Water Engineer	5	0	11	801	35·7	37·21	231	166
D WEST LINTON (Grangeneuk) ...	A. E. Colterjohn, Esq. ...	5	1	0	820	...	38·58	214	166
D West Linton (Baddingsgill Res.) ...	T. Aitken, Esq. ...	8	1	0	1100	44·6	45·77	239	177
3.—ESK. 23 sq. mi.									
D Eddlestone (Portmore Reservoir) ...	Edinburgh Water Engineer	5	0	6	1000	35·2	39·51	236	161
D Carlops (North Esk Reservoir) ...	J. Gilmour, Esq. ...	5	1	0	1150	39·5	44·14	235	175
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 Earlstoun (Cowdenknowes) ...	T. A. Mole, Esq. ...	5	1	3	300	28·8	30·57	174	142
D Earlstoun (Carolside) ...	Sir J. Gilmour, Bart. ...	5	1	0	350	...	30·85	189	137
3.—TWEED. LOWER. Left Bank Tributaries. 115 sq. mi.									
D Coldstream (Lochton) ...	Mrs. Aitchison ...	5	1	0	150	25·9	25·23	187	127
D Swinton House ...	(+A) Rev. A. E. Swinton, M.A. ...	5	1	0	200	26·4	28·40	205	134
d Paxton (Tweedhill) ...	C. H. Brackenbury, Esq. ...	5	1	0	50	...	28·56	...	...
4.—TWEED. Whiteadder. 164 sq. mi.									
D MARCHMONT House ...	Capt. J. H. F. McEwen, M.P. ...	5	1	0	498	32·2	30·62	195	138
D Duns (Nisbet House Gardens) ...	Lord Brocket ...	5	1	0	290	26·8	32·02	190	145
d Duns (Manderston) ...	Mr. H. E. Wilson ...	5	2	6	353	30·7	33·26	185	126
D Longformacus (Whitchester) ...	Mrs. Laudale ...	5	1	0	838	...	35·44	193	153
5.—EAST COAST STREAMS. 80 sq. mi.									
d Cockburnspath (Redheugh) ...	T. S. Dykes, Esq. ...	5	1	0	288	...	32·47	...	...
EAST LOTHIAN. (Area, 267 sq. mi.)									
1.—TWEED. Leader. 1 sq. mi.									
2.—TWEED. Whiteadder. 35 sq. mi.									
D Lammermuir Hills (Kingside) ...	Adam Robson, Esq. ...	5	1	0	779	...	40·72	217	160
3.—EAST COAST STREAMS. 69 sq. mi.									
w Garvald (Donnolly Reservoir) ...	Adam Robson, Esq. ...	5	1	0	532	32·8	36·14	...	...
w Garvald (Thorther Reservoir) ...	Adam Robson, Esq. ...	5	1	0	725	...	36·10	...	...
D Dunbar (Public Park) ...	Burgh Surveyor ...	5	1	0	75	...	25·99	170	115
4.—TYNE & C. 114 sq. mi.									
D Lammermuir Hills (West Hopes) ...	Adam Robson, Esq. ...	5	1	0	736	34·4	35·40	171	137
w Lammermuir Hills (Lammerloch Res.)	Adam Robson, Esq. ...	5	1	0	900	...	35·36	...	...
5.—FIRTH OF FORTH. 48 sq. mi.									
D East Fortune Hospital ...	Clerk of Works ...	5	1	4	101	23·5	28·64	168	123
D Aberlady (Ards Place) ...	Mrs. Hemingway ...	5	1	0	40	...	27·49	200	131
D North Berwick Reservoir ...	A. Robertson, Esq., C.E. ...	5	1	0	150	25·4	28·01	172	116
D NORTH BERWICK (Gas Works) ...	Town Council ...	5	1	0	118	24·1	28·34	188	118
6.—INSULAR.									

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

STATIONS		AUTHORITIES		Rain-gauge				Average Rain-fall	1951			
				Diam.	Height of Rim above Ground		Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more	
MIDLOTHIAN. (Area, 369 sq. mi.)				in.	ft.	in.	ft.	in.	in.			
1.—TWEED. Gala. 68 sq. mi.												
D	Stow (Cragdale)	...	A. H. Fairgrieve, Esq.	...	5	0	6	642	33.0	40.00	208	163
2.—TYNE. 28 sq. mi.												
D	Ford (MacGill Cottage)	...	Mr. D. M. Welsh	...	5	1	6	410	...	31.20	187	143
3.—FIRTH OF FORTH. 3 sq. mi.												
4.—ESK. 116 sq. mi.												
M	Moorfoot Hills (Bowbate)	...	Edinburgh Water Engineer	...	5	1	0	1260	...	48.17	...	...
D	Moorfoot Hills (Gladhouse Res.)	...	Edinburgh Water Engineer	...	5	0	6	915	35.3	37.41	219	158
D	Moorfoot Hills (Rosebery)	...	Edinburgh Water Engineer	...	5	0	6	750	32.1	38.11	217	166
D	PENICUIK	...	Dr. J. T. Baldwin	...	5	1	0	620	...	40.92	202	162
d	Gorebridge	...	Hugh Arnott, Esq.	...	5	1	0	560	29.3	32.44	177	137
M	Pentland Hills (Harehill)	...	Edinburgh Water Engineer	...	5	1	2	1297	...	40.56	...	...
D	Pentland Hills (Martyr's Cross)	...	Edinburgh Water Engineer	...	5	1	0	750	35.5	38.08	247	170
D	Pentland Hills (Loganlea)	...	Edinburgh Water Engineer	...	5	1	0	811	38.5	43.12	205	158
D	Pentland Hills (Glencorse Filters)	...	Edinburgh Water Engineer	...	5	0	11	638	35.0	39.49	207	153
D	Pentland Hills (Glen Cottage)	...	Edinburgh Water Engineer	...	5	1	3	739	35.2	43.08	208	161
D	Newbattle (Public School)	...	C. D. Walinck, Esq., M.A.	...	5	1	0	300	25.7	31.04	168	131
5.—ALMOND & C. 153 sq. mi.												
D	Pentland Hills (Crosswood)	...	Edinburgh Water Engineer	...	5	0	10	950	39.5	41.80	230	170
D	Pateshill Reservoir	...	Water Superintendent	...	5	1	3	900	...	41.14	218	173
D	Pentland Hills (Harperrig)	...	Edinburgh Water Engineer	...	5	1	0	900	...	40.64	213	157
D	Pentland Hills (Morton)	...	Messrs. J. & A. Leslie & Reid	...	5	1	0	749	37.4	43.10	223	162
d	West Calder (Addiewell)	...	Scottish Oils, Ltd.	...	12	21	0	620	35.7	39.77	201	154
D	BOGHALL	...	+A) Edin. & E. of S. Coll. of Ag.	...	8	1	0	639	33.1	39.13	208	149
D	BALERNO (Shothead)	...	Dr. A. D. Buchanan-Smith	...	5	1	0	750	...	41.86	205	157
D	Pentland Hills (Harlaw Res.)	...	Edinburgh Water Engineer	...	5	1	0	800	...	35.29	194	135
D	Pentland Hills (Clubbiedean Res.)	...	Edinburgh Water Engineer	...	5	1	0	773	30.4	34.85	186	137
D	MIDCALDER (Howden)	...	Soc. for Res. in Agric. Eng.	...	5	1	0	400	...	37.47	186	151
M	Pentland Hills (Swanston)	...	Edinburgh Water Engineer	...	5	1	0	645	31.6	32.11	...	...
D	Fairmilehead (Frogston Road)	...	J. Aitchison, Esq.	...	5	1	0	600	...	35.85	201	144
D	Fairmilehead (Waterworks)	...	Edinburgh Water Engineer	...	5	1	0	590	30.8	35.29	189	136
D	Liberton (Alnwick Hill)	...	Edinburgh Water Engineer	...	5	1	0	407	28.5	31.97	189	127
M	Liberton (Hawkhead Grove)	...	G. M. Stuart, Esq., M.B.E.	...	5	1	0	400	...	33.64	...	...
D	Colinton (Firhill Tank)	...	Edinburgh Water Engineer	...	5	0	10	412	29.0	36.53	211	152
D	LIBERTON (College Farm)	...	Edin. & E. of S. Coll. of Ag.	...	5	1	0	190	27.7	33.92	195	132
D	Liberton (The Inch)	...	Superintendent of Parks	...	5	1	0	150	...	32.90	196	142
D	Edinburgh (Old Dalkeith Rd.)	...	J. T. Jeffrey, Esq.	...	5	1	0	300	...	32.68	204	140
D	Edinburgh (Craiglockhart)	...	I. C. Hedge, Esq.	...	5	1	0	295	...	36.79	176	138
D	EDINBURGH (BLACKFORD HILL)	...	Astronomer Royal for Scot.	...	8	1	0	441	26.3	30.98	193	132
D	Edinburgh (Fountainhall Road)	...	R. C. Macfarlane, Esq.	...	5	1	1	225	...	32.79	194	134
D	TURNHOUSE (Edinburgh Airport) (+A)	...	Meteorological Office	...	5	1	0	114	...	31.41	185	124
d	Edinburgh (Astley Ainslie Institute)	...	Medical Superintendent	...	5	1	0	270	27.7	33.37	...	138
D	EDINBURGH (ROYAL BOTANIC GDN.)	...	Prof. Sir W. Wright-Smith	...	5	1	0	74	26.5	31.69	189	130
D	EDINBURGH (DAVIDSON'S MAINS)	...	J. W. Younger, Esq.	...	5	1	0	200	...	33.19	199	134
6.—CLYDE. Right Bank Tributaries. 1 sq. mi.												

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.		ft.				in.	in.
WEST LOTHIAN. (Area, 120 sq. mi.)									
1.—ALMOND & C. 60 sq. mi.									
M	Uphall No. 7 W. Lothian Hospital Board	8	1	4	646	...	40.20	...	...
M	Uphall No. 8 W. Lothian Hospital Board	8	1	4	577	32.7	38.45	...	...
d	Uphall (Middleton Hall) Scottish Oils, Ltd.	8	1	0	350	31.4	38.82	...	...
M	Winchburgh (Hopetown Oil Works) Scottish Oils, Ltd.	8	2	0	337	33.3	36.80	...	...
D	Dalmeny House The Earl of Rosebery	5	0	6	20	25.9	32.78	183	138
2.—FORTH. Right Bank Tributaries. 59 sq. mi.									
D	Blackridge (Bedlormie) D. Tennant, Esq.	5	1	0	720	...	46.01	225	171
D	Armadale (Stonerigg Filters) Water Superintendent	5	1	0	620	...	40.35	217	159
D	Armadale (Sewage Works) Burgh Engineer	5	1	0	417	...	43.04	227	170
D	Bathgate (Northbank Filters) J. Spalding, Esq.	5	0	9	640	33.2	42.06	213	163
D	Torphichen (Lochcote)... .. Wm. Beattie, Esq.	5	0	9	550	33.5	41.39	235	172
D	Uphall (Beecraigs) Messrs. J. & A. Leslie & Reid	5	1	0	477	...	42.81	227	168
M	Carribber Reservoir Wm. Beattie, Esq.	5	0	9	350	33.1	38.94	...	...
w	Linlithgow (Cockleroi Reservoir) Burgh Surveyor	5	1	0	587	...	45.33	...	...
D	Linlithgow (Grange) Col. H. M. Cadell	5	1	0	440	30.2	37.09	212	145
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.	5	1	0	705	37.1	43.67 203 165
4.—CLYDE. Right Bank Tributaries. 378 sq. mi.							
M Daer (Whiteburn)	M. S. Neilson, Esq., C.E.	5	1	0	1250	...	87.15
D Daer (Crookburn)	M. S. Neilson, Esq., C.E.	5	1	0	1124	...	83.33 236 204
M Daer (Sweetshawhead)	M. S. Neilson, Esq., C.E.	5	1	0	1150	...	74.96
D Daer (Sweetshaw Burn)	M. S. Neilson, Esq., C.E.	5	1	0	1152	...	71.87 225 184
D Daer (Garls Craig)	M. S. Neilson, Esq., C.E.	5	1	0	985	...	70.90 227 190
M Crawford (Camps Res.) Risingclaw	M. S. Neilson, Esq., C.E.	5	1	0	1610	56.0	70.69
M § Crawford (Camps Res.) Peat Rig	M. S. Neilson, Esq., C.E.	5	1	0	1485	53.4	67.41
D Crawford (Camps Reservoir) ... (+A)	M. S. Neilson, Esq., C.E.	5	0	10	969	44.0	46.19 237 179
M Crawford (Camps Res.) Kneesend	M. S. Neilson, Esq., C.E.	5	1	0	1205	47.0	50.35
M Crawford (Camps Res.) Hillshaw	M. S. Neilson, Esq., C.E.	5	1	0	1805	54.7	57.70
M Crawford (Camps Res.) Linnburn	M. S. Neilson, Esq., C.E.	5	1	0	1210	48.8	58.35
w Coulter Reservoir	J. Bissett Scott, Esq., C.E.	5	1	0	1156	...	44.27
M Lamington (Cowgill Reservoir)	D. T. Brown, Esq.	5	1	0	1012	42.4	45.13
D Biggar (Huntfield)	Miss Dunlop	5	1	0	900	31.5	34.95 199 162
D Lamington House	Rt. Hon. Lord Lamington	5	1	0	730	36.9	43.57 213 175
D Carluke (Coldstream Reservoir)	J. Bissett Scott, Esq., C.E.	5	1	0	800	...	35.20 221 166
M Carluke	J. Barr, Esq.	5	0	7	630	...	33.56
D CARLUKE (Law Junction)	Dr. W. A. Galbraith	5	1	0	534	...	33.79 197 151
w Carluke (Springfield Reservoir)	J. Bissett Scott, Esq., C.E.	5	1	0	860	39.5	34.94
D Carluke (Gair Reservoir)	J. Bissett Scott, Esq., C.E.	5	1	0	665	34.9	32.22 198 159
Wishaw (Coronation Street)	A. Hinshelwood, Esq.	5	1	3	510	...	34.77
D Motherwell (Elvan Street)	Mr. M. Dunn	5	0	10	175	...	35.96 206 159
D Shotts Reservoir	M. S. Neilson, Esq., C.E.	5	1	0	812	...	40.77 208 162

§ Turf wall round gauge. || Gauge over-exposed.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			above	Ground	Sea Level				
		in.	ft.	in.	ft.	in.	in.		
LANARKSHIRE—(contd.).									
4.—CLYDE—(contd.).									
D Glasgow (Rutherglen) ...	F. C. Thomson, Esq. ...	5	1	0	100	...	41·52	240	171
D Glasgow (Tollcross Park) ...	G. H. Garside, Esq. ...	5	1	0	84	37·4	38·65	202	156
D Glasgow Green ...	G. H. Garside, Esq. ...	5	1	0	35	36·0	38·53	218	170
D Glasgow (Alexandra Park) ...	G. H. Garside, Esq. ...	5	1	0	141	36·0	36·73	221	168
D Glasgow (Kelvingrove Park) ...	G. H. Garside, Esq. ...	5	1	0	48	36·1	39·07	206	167
D Glasgow (Victoria Park) ...	G. H. Garside, Esq. ...	5	1	0	30	36·1	40·16	224	167
D Glasgow (Ruchill Park) ...	G. H. Garside, Esq. ...	5	1	0	222	36·0	40·35	213	165
D GLASGOW (SPRINGBURN PARK) ...	G. H. Garside, Esq. ...	5	0	6	351	36·9	41·46	221	164
M Clarkston (Roughrigg Reservoir) ...	D. T. Brown, Esq., C.E. ...	5	1	0	664	35·8	39·19	...	...
D Coatbridge (West End Park) ...	S. Lauder, Esq. ...	5	1	0	240	...	40·26	225	160
D Coatbridge (Whifflet Public Park) ...	S. Lauder, Esq. ...	5	1	0	295	...	39·06	212	156
D Coatbridge (Dunbeth Public Park) ...	S. Lauder, Esq. ...	5	1	0	325	...	41·03	222	159
D Airdrie (Broomknoll Street) ...	D. T. Brown, Esq., C.E. ...	5	1	0	402	35·0	39·82	204	163
D Gartcosh (Gartloch Hospital) ...	Mr. Donald McMillan ...	5	1	0	291	37·8	40·64	201	163
d Chryston (School House) ...	Headmaster ...	5	1	0	298	...	39·57	216	164
5.—CLYDE. Left Bank Tributaries. 448 sq. mi.									
D \$Daer (Daerhead) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	1304	...	90·54	243	210
M \$Daer (Upper Carshope) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	1600	...	88·97	...	...
M \$Daer (Lower Carshope) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	1180	...	87·05	...	...
D \$Daer (Kirkhope) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	1103	...	86·00	237	202
M \$Daer (Kirkhope Cleuch) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	1350	...	91·46	...	...
M \$Daer (Hitteril) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	950	...	70·30	...	...
M Elvanfoot (Potrenick Burn) ...	J. Bissett Scott, Esq., C.E. ...	5	1	0	1004	61·5	66·45	...	...
D Elvanfoot (Peden Reservoir) ...	J. Bissett Scott, Esq., C.E. ...	5	1	0	964	65·1	65·89	195	176
D Douglas (Monksfoot) ...	Miss J. Steel ...	5	1	0	780	...	51·75	214	188
D Strathaven (GLENGAVEL Reservoir) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	839	47·9	58·82	248	199
D Strathaven (Dunside Res.) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	1002	46·3	59·71	203	187
D Strathaven (Kype Reservoir) ...	H. V. McNaughton, Esq. ...	5	1	0	941	46·6	54·44	229	189
D Stonehouse (Sanatorium) ...	Andrew Riddell, Esq. ...	5	0	7	526	36·6	42·55	235	166
D Stonehouse (Glassford Filters) ...	M. S. Neilson, Esq., C.E. ...	5	0	9	775	39·8	46·55	199	163
D Hamilton W.W. (Townhill) ...	H. V. McNaughton, Esq. ...	5	1	0	430	35·6	37·16	197	160
D Hamilton (Woodlea) ...	Robert Frame, Esq. ...	5	1	4	192	...	37·75	198	154
w Carmunock (Waterworks) ...	G. Sime, Esq. ...	5	1	6	540	...	40·42	...	...
D Blantyre (Livingstone Memorial) ...	R. G. McCallum, Esq. ...	5	1	0	113	...	40·79	215	170
D Cambuslang (Greenlees Filters) ...	M. S. Neilson, Esq., C.E. ...	5	1	0	322	36·3	38·08	215	154
D Glasgow (Bellahouston Park) ...	G. H. Garside, Esq. ...	5	1	0	80	34·6	40·19	207	162
D Glasgow (Elder Park) ...	G. H. Garside, Esq. ...	5	1	0	25	37·0	42·23	226	174
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. ...	5	1	0	167	...	39·64	229	174
D Stevenston (Greenhead Filters) ...	W. G. Guild, Esq. ...	5	1	0	186	41·6	39·35	219	169
w Ardrossan (Busbie Reservoir) ...	H. R. Seaton, Esq. ...	5	1	0	370	...	42·90	...	...

§ Turf wall round gauge.

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

STATIONS		AUTHORITIES		Rain-gauge		Average Rain-fall	1951					
				Diam.	Height of Rim above Ground		Ground above Sea Level	Rain-fall	Days with .01 in. or more	Days with .04 in. or more		
AYRSHIRE—(contd.).				in.	ft.	in.	ft.	in.	in.			
2.—FIRTH OF CLYDE.—(contd.).												
M	West Kilbride (Crosbie Reservoir)	...	T. W. Leslie, Esq.	...	5	1	0	400	...	39.95	...	...
D	West Kilbride (Hunterston)	...	Lt.-Gen. Sir A. Hunter-Weston, K.C.B.	...	5	1	0	40	42.4	45.73	228	175
	Fairlie (Waterworks)	...	T. W. Leslie, Esq.	...	5	1	0	270	...	50.27	...	...
D	LARGS (WOODBANK)	...	A. Simpson, Esq.	...	5	1	0	25	...	47.18	219	174
D	Largs (Middleton Filters)	...	G. Arkieson, Esq.	...	5	1	0	230	52.0	50.57	239	182
	Shaws W.W. (Knockencorsan)	...	J. MacAlister, Esq., C.E.	...	5	1	0	1040	...	59.80	...	...
	Shaws W.W. (Largs Road)	...	J. MacAlister, Esq., C.E.	...	5	1	0	910	57.0	60.50	...	...
3.—IRVINE & C. 296 sq. mi.												
D	PRESTWICK	...	Burgh Surveyor	...	5	1	0	17	31.0	32.34	207	156
D	PRESTWICK AIRPORT	...	(+A) Meteorological Office	...	5	1	0	30	33.6	31.98	208	156
D	Hurlford (Carnell)	...	Mrs. J. B. Findlay	...	5	1	0	300	...	44.71	213	195
D	Troon (Collenan Reservoir)	...	Burgh Surveyor	...	5	1	0	203	...	33.52	207	161
D	Treesbank	...	Mr. A. B. Stewart	...	5	1	0	150	...	41.03	235	171
D	Irvine (Gailles)	...	A. Forrest, Esq.	...	5	1	0	12	35.9	34.42	205	160
D	Newmilns (Lanfine)	...	W. Logan, Esq.	...	5	1	6	500	43.4	52.80	217	183
D	Templetonburn	...	F. C. Howie, Esq.	...	5	1	0	140	...	42.63	216	166
D	Darvel (Kirkland Park)	...	Burgh Surveyor	...	5	1	0	347	...	45.69	214	167
M	Raithill	...	W. N. McCall, Esq.	...	5	1	6	640	...	50.07	...	...
D	KILMARNOCK (Springhill House)	...	(+A) W. N. McCall, Esq.	...	5	0	11	115	...	39.48	213	175
D	Irvine (Cunninghame Home)	...	Governor	...	5	1	0	24	...	37.19	191	162
D	Kilmarnock (North Craig Res.)	...	W. N. McCall, Esq.	...	5	1	0	319	41.2	45.37	220	178
D	Montgreenan Gardens	...	Capt. C. B. G. Coltart	...	5	0	9	180	...	45.34	217	181
	Fenwick (Whiteleekhill)	...	W. N. McCall, Esq.	...	5	1	0	915	48.6	50.93	...	...
D	Fenwick (Hareshawmuir)	...	Miss E. M. Horwood King	...	5	1	0	600	48.5	46.74	219	173
M	Croilburn	...	W. N. McCall, Esq.	...	5	1	0	725	...	47.48	...	...
D	Fenwick (Amlaird Filters)	...	W. N. McCall, Esq.	...	5	1	0	590	43.3	46.03	226	168
	Craigendunton Reservoir	...	W. N. McCall, Esq.	...	5	1	0	805	48.9	58.51	...	...
	Loch Goin Reservoir	...	W. N. McCall, Esq.	...	5	1	0	865	49.4	62.66	...	...
D	Blair Gardens	...	W. N. McCall, Esq.	...	5	1	0	155	...	49.06	261	181
	Moor Farm	...	W. N. McCall, Esq.	...	5	1	0	810	...	51.36	...	...
D	Stewarton Filters	...	C. McL. Bodie, Esq.	...	5	1	6	515	...	49.22	225	184
D	Dalry (Munnock Reservoir)	...	W. G. Guild, Esq.	...	5	1	0	325	47.9	48.64	238	182
D	Dalry (Caaf Reservoir)	...	W. G. Guild, Esq.	...	5	1	3	515	53.2	55.31	244	197
D	Dalry (Birkheadsteel)	...	W. G. Guild, Esq.	...	5	1	3	520	...	54.54	243	196
D	Dalry Waterworks (Filters)	...	T. W. Leslie, Esq.	...	5	1	0	320	46.5	41.27	212	159
	Dalry Waterworks (Thirdpart)	...	T. W. Leslie, Esq.	...	5	1	0	560	52.0	44.75	...	...
M	§Dalry (Drum Burn)	...	W. G. Guild, Esq.	...	5	0	11	744	...	49.55	...	...
M	Dalry (South Knockendon)	...	W. G. Guild, Esq.	...	5	1	1	704	...	47.52	...	...
	Dalry (Knockendon)	...	W. G. Guild, Esq.	...	5	1	0	750	...	56.70	...	...
M	Dalry (South Bradshaw)	...	W. G. Guild, Esq.	...	5	1	1	946	...	52.85	...	...
M	Dalry (Bradshaw)	...	W. G. Guild, Esq.	...	5	1	0	1050	...	52.50	...	...
M	Dalry (Haining)...	...	J. A. McGregor, Esq., C.E.	...	5	1	0	895	...	59.00	...	...
	Dalry (Camphill Reservoir)	...	(+A) J. A. McGregor, Esq., C.E.	...	5	1	0	611	61.2	65.91	...	...
M	Dalry (Catburn)	...	J. A. McGregor, Esq., C.E.	...	5	1	0	1013	...	64.75	...	...
M	Dalry (Whitehill)	...	J. A. McGregor, Esq., C.E.	...	5	1	0	628	...	63.50	...	...
M	Dalry (Blairpark)	...	J. A. McGregor, Esq., C.E.	...	5	1	0	722	...	64.15	...	...
M	Dalry (Rye Water)	...	J. A. McGregor, Esq., C.E.	...	5	1	0	1032	...	69.70	...	...
D	Beith (Filter Station)	...	T. W. Leslie, Esq.	...	5	1	0	412	53.7	53.22	222	184
D	Kilbirnie (Hole House Filters)	...	T. W. Leslie, Esq.	...	5	1	0	377	68.0	64.62	245	197
M	Kilbirnie (Pundeavon Res.)	...	T. W. Leslie, Esq.	...	5	1	0	898	...	78.60	...	...
4.—AYR. 222 sq. mi.												
D	Ayr (Cemetery)	...	Thomas O'Beirne, Esq., C.E.	...	5	1	0	40	34.8	32.72	214	164

§ Turf wall round gauge.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of Rim above Ground	Height of Ground above Sea Level			Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
AYRSHIRE—(contd.).									
4.—AYR—(contd.).									
D Ayr (Airthrey)	National Coal Board ...	5	1	0	40	...	36.26	221	165
D AUCHINCROUTE	W. Scotland Coll. of Agric.	8	1	0	147	39.0	35.37	212	163
Catrine	Messrs. J. Finlay & Co. ...	5	1	0	340	...	33.31	...	176
d Muirkirk (Kaimshill) ...	National Coal Board ...	5	1	6	750	47.8	50.82	...	...
D Mauchline (Hillhead Tank) ...	T. W. Leslie, Esq. ...	5	1	0	564	42.8	43.19	224	177
5.—DOON. 119 sq. mi.									
M Tunskeen	British Electricity Authority	5	1	0	1010	76.2	80.45	...	...
Loch Recawr	Thomas O'Beirne, Esq., C.E.	5	1	0	933	...	75.85	...	...
d Loch Finlas	Thomas O'Beirne, Esq., C.E.	5	1	0	849	55.1	57.05	...	...
D Dalmellington (Mossdale Filters) ...	T. W. Leslie, Esq. ...	5	1	0	752	48.6	58.26	242	199
D Dunaskin (Ardoon)	National Coal Board ...	5	1	0	686	47.8	52.18	231	205
D Patna (Kerse Filters)	T. W. Leslie, Esq. ...	5	1	0	741	...	50.93	258	193
D Maybole (Otterden)	D. Cross, Esq. ...	5	1	0	314	43.2	42.88	230	180
Dalrymple (Knockjarder W.W.) ...	Thomas O'Beirne, Esq., C.E.	5	1	0	287	42.6	40.44	...	...
D Ayr (Doonholm)	Col. N. Kennedy, C.B.E., D.S.O., D.L. ...	5	1	0	90	38.8	40.61	223	177
D Alloway (Doonside)	Col. F. C. Dunlop ...	5	1	2	99	...	41.58	219	180
6.—CULZEAN BAY & C. 32 sq. mi.									
D TURNBERRY	Hotels Executive ...	5	1	0	63	...	39.18	215	164
D Maybole (Culzean Castle Gardens) ...	Mr. W. J. Orr ...	8	1	3	138	...	44.40	208	160
7.—GIRVAN. 105 sq. mi.									
D Girvan (Penwhapple Res.) ...	Burgh Surveyor ...	5	1	0	662	...	54.59	239	186
w Loch Bradan	Burgh Surveyor, Troon ...	5	0	10	990	57.6	59.34	...	...
8. STINCHAR & C. 155 sq. mi.									
d Glenapp Castle Gardens ...	Mr. J. A. Macdonald ...	5	1	0	300	...	54.57	210	179
D Ballantrae	D. J. W. Gray, Esq., M.B.E.	5	1	0	15	...	45.74	246	164
D COLMONELL (Knockdolian) ...	Maj.-Gen. D. McConnell ...	5	1	0	170	44.8	43.70	211	163
w Girvan (Glendrisaigh Res.) ...	Burgh Surveyor ...	11	0	9	266	...	44.53	...	...
9.—LOCH RYAN. 12 sq. mi.									
10.—LUCE BAY. 15 sq. mi.									
d Ballantrae (Lagafater Lodge) ...	Miss Boulton ...	5	0	11	792	64.8	59.15	...	179
11.—CREE. 40 sq. mi.									
12.—DEE. 9 sq. mi.									
13.—NITH. 62 sq. mi.									
Afton Res. (Afton Water) ...	T. W. Leslie, Esq. ...	5	1	0	1525	80.6	87.45	...	...
Afton Res. (Alwhart Burn) ...	T. W. Leslie, Esq. ...	5	1	0	1435	81.1	91.69	...	...
Afton Res. (Montraw Burn) ...	T. W. Leslie, Esq. ...	5	1	0	1554	78.9	84.70	...	...
§Afton Res. (Montraw) ...	T. W. Leslie, Esq. ...	5	1	0	1372	77.0	86.20	...	...
Afton Res. (Green Burn) ...	T. W. Leslie, Esq. ...	5	1	0	1415	85.8	99.00	...	...
D Afton Res. (Filters) ...	T. W. Leslie, Esq. ...	5	1	0	1366	...	82.82	268	211
D Glen Afton (Ayr Sanatorium) ...	Dr. Wm. A. Murray ...	5	1	0	833	53.2	65.01	239	197
D New Cumnock (Power Station) ...	National Coal Board ...	5	1	0	764	55.8	57.51	212	178
14.—INSULAR. 1 sq. mi.									

§ Turf wall round gauge.

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1951		
		Diam. in.	Height of Rim above Ground ft.	Height of Ground above Sea Level ft.	Rain- fall in.		Days with ·01 in. or more	Days with ·04 in. or more	
RENFREWSHIRE. (Area, 241 sq. mi.)									
1.—CLYDE. Right Bank Tributaries. 3 sq. mi.									
2.—CLYDE. Left Bank Tributaries. 194 sq. mi.									
M	Eaglesham (Dunwan Res.) ... No. 3 Geo. Sime, Esq. ...	5	1	0	822	50·5	54·33	...	...
M	Eaglesham (Dunwan Res.) ... No. 4 Geo. Sime, Esq. ...	5	1	0	841	50·6	54·60	...	...
W	Eaglesham (Dunwan Res.) ... No. 2 Geo. Sime, Esq. ...	5	1	0	820	...	54·94	...	...
W	Eaglesham (Picketlaw Res.) ... No. 1 Geo. Sime, Esq. ...	5	1	0	690	...	54·30	...	...
D	Gorbals Dist. W.W. (Waulk Glen) ... S. D. Canvin, Esq., C.E. ...	8	1	0	280	47·2	51·25	217	170
M	Paisley W.W. (Muirhead) ... J. A. McGregor, Esq., C.E. ...	5	1	0	482	53·9	53·80	...	...
M	Paisley W.W. (Springside) ... J. A. McGregor, Esq., C.E. ...	5	1	0	532	59·1	56·49	...	...
M	Paisley W.W. (Back Thornlymuir) ... J. A. McGregor, Esq., C.E. ...	12	1	0	646	50·9	55·21	...	...
M	Paisley W.W. (Stanely) ... J. A. McGregor, Esq., C.E. ...	5	1	0	190	...	53·59	...	...
D	Barrhead (Sewage Works) ... Burgh Surveyor ...	5	1	0	100	...	45·53	204	160
D	Howwood (Midton House) ... A. D. McNab, Esq. ...	5	1	3	232	56·9	59·00	236	185
D	Pollokshaws (Rouken Glen Park) ... G. H. Garside, Esq. ...	5	1	0	155	43·2	46·15	211	165
D	Glasgow (Linn Park) ... G. H. Garside, Esq. ...	5	1	0	164	...	44·24	233	179
D	Pollockshaws (Pollok House) ... Sir J. Stirling Maxwell, Bart. ...	5	1	0	50	36·5	38·26	217	160
D	Glasgow (Queen's Park) ... G. H. Garside, Esq. ...	5	0	9	147	36·1	38·97	235	175
D	Glasgow (Maxwell Park) ... G. H. Garside, Esq. ...	5	1	0	69	35·7	40·46	224	174
D	Lochwinnoch (Kaim Dam) ... J. H. Murray, Esq., C.E. ...	8	1	0	616	...	74·18	229	187
D	Kilbarchan (Glentyan) ... J. C. Hunter, Esq., J.P. ...	5	1	1	300	52·6	60·89	258	189
d	Bridge of Weir (Ranfurly) ... Rev. E. T. Vernon ...	5	1	0	290	...	59·91	...	...
d	Paisley (Thornly Park School) ... W. K. Wallace Lees, Esq. ...	5	1	0	195	...	51·85	185	166
D	PAISLEY (Coats Observatory) ... Obs. Com. (J. Woodrow) ...	8	1	0	106	40·7	45·49	215	161
M	Shaws W.W. (Duchal Moor) ... J. MacAlister, Esq., C.E. ...	5	1	0	1150	...	71·40	...	...
M	Shaws W.W. (Creuch Hill) ... J. MacAlister, Esq., C.E. ...	5	1	0	1350	...	68·90	...	...
M	Shaws W.W. (Green Water) ... J. MacAlister, Esq., C.E. ...	5	1	0	788	68·1	65·90	...	...
D	RENFREW (Glasgow Airport) (+A) Meteorological Office ...	8	1	0	29	37·0	40·68	211	154
D	Kilmacolm (Waterworks) ... James Grier, Esq. ...	5	1	0	600	...	63·80	230	190
D	Kilmacolm Village ... James Grier, Esq. ...	5	1	0	300	51·7	58·05	226	181
D	Shaws W.W. (Gryfe Reservoir) ... J. MacAlister, Esq., C.E. ...	5	1	0	640	64·0	65·06	227	190
D	Shaws W.W. (Mansfield) ... J. MacAlister, Esq., C.E. ...	5	1	0	573	65·2	60·76	227	186
D	Shaws W.W. (Darndaff Moor) ... J. MacAlister, Esq., C.E. ...	5	1	0	850	64·5	62·90	...	...
w	Shaws W.W. (Kelly Dam) ... J. MacAlister, Esq., C.E. ...	5	1	0	640	63·6	60·60	...	...
3.—FIRTH OF CLYDE. 34 sq. mi.									
	Inverkip (Daff Burn Reservoir) ... W. V. Kelly, Esq., C.E. ...	8	1	0	506	58·4	60·86	...	...
D	Dougliehill Filters (Pt. Glas. W.W.) ... I. M. MacLean, Esq., C.E. ...	8	1	6	550	53·4	49·15	196	177
D	Parkhill Filters (Pt. Glas. W.W.) ... I. M. MacLean, Esq., C.E. ...	8	1	6	275	48·1	47·74	196	172
D	Shaws W.W. (Compensation Res.) ... J. MacAlister, Esq., C.E. ...	5	1	0	600	...	62·04	233	193
D	Shaws W.W. (Loch Thom) ... J. MacAlister, Esq., C.E. ...	5	1	0	643	65·4	65·21	231	193
w	Shaws W.W. (Shielhill) ... J. MacAlister, Esq., C.E. ...	5	1	0	962	64·2	63·50	...	...
D	Shaws W.W. (New Yett's Dam) ... J. MacAlister, Esq., C.E. ...	5	1	0	800	63·2	62·49	231	179
w	Shaws W.W. (Spango Burn) ... J. MacAlister, Esq., C.E. ...	5	1	0	757	62·6	67·10	...	...
D	Shaws W.W. (Hole Glen) ... J. MacAlister, Esq., C.E. ...	5	1	0	603	61·6	66·70	231	191
D	GREENOCK (Prospect Hill) (+A) J. MacAlister, Esq., C.E. ...	5	1	0	199	58·2	57·31	229	177
D	Gourock (Coves Reservoir) ... W. V. Kelly, Esq., C.E. ...	5	1	0	350	...	57·00	220	180
4.—IRVINE. 10 sq. mi.									

§ Turf wall round gauge.

DIVISION XV—WEST MIDLAND COUNTIES

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
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 ...	8	1	0	293	53.0	51.67	228	190
Garelochhead (Whistlefield Filters) ...	Malcolm Ross, Esq. ...	5	1	0	295	...	61.10	...	...
D Garelochhead (Arddarroch Gardens) ...	Mr. D. Macpherson ...	5	1	0	100	...	73.80	230	195
3.—CLYDE. Leven. 149 sq. mi.									
D Dumbarton (Sewage Works) ...	W. Wilson, Esq., C.E. ...	5	1	0	11	...	43.91	200	176
D Renton (Carman Filters) ...	Malcolm Ross, Esq. ...	8	1	0	292	46.8	47.92	218	186
D Loch Lomond Park ...	G. H. Garside, Esq. ...	5	1	0	156	50.2	56.88	232	196
M Helensburgh (Blairnairn No. 1) ...	Burgh Engineer ...	8	1	0	575	...	66.51	...	...
M Helensburgh (Blairnairn No. 2) ...	Burgh Engineer ...	5	1	0	1250	...	69.33	...	...
M Helensburgh (Blairnairn No. 3) ...	Burgh Engineer ...	5	1	0	1580	...	70.89	...	...
M Glen Finlas Reservoir ...	No. 1 Malcolm Ross, Esq. ...	5	1	0	782	69.1	71.15	...	...
M Glen Fruin (Auchingaich Res.) S. ...	Malcolm Ross, Esq. ...	5	1	0	800	...	74.31	...	...
M Glen Fruin (Auchingaich Res.) N. ...	Malcolm Ross, Esq. ...	5	1	0	800	...	72.46	...	...
D Glen Finlas Reservoir ...	No. 2 Malcolm Ross, Esq. ...	5	1	0	810	81.4	80.93	225	205
d Loch Sloy (Coiregrogain) ...	N. of S. Hydro-Electric Bd. ...	5	1	0	449	...	112.64	...	...
D Loch Sloy (Sloy Power Station) (+A) ...	N. of S. Hydro-Electric Bd. ...	5	1	0	40	...	100.86	237	206
D Loch Sloy (Sloy Dam) ...	N. of S. Hydro-Electric Bd. ...	5	1	0	966	...	116.44	221	212
W Ardvorlich ...	N. of S. Hydro-Electric Bd. ...	5	1	0	1123	...	119.57	...	...
d Allt a Chnoic ...	N. of S. Hydro-Electric Bd. ...	5	1	0	1349	...	120.41	...	...
4.—CLYDE. Right Bank Tributaries. 59 sq. mi.									
W Bowling Filters ...	Malcolm Ross, Esq. ...	5	1	0	230	...	39.99	...	...
D Duntocher (Cochno Filters) ...	J. E. McWilliam, Esq. ...	5	1	0	400	44.2	44.00	228	177
d Milngavie (Creagh Dhu Road) ...	J. M. Goldie, Esq. ...	5	1	0	180	...	49.07	219	175
W Kilpatrick Hills (Greenside Res.) ...	J. E. McWilliam, Esq. ...	5	1	0	876	51.8	55.83	...	...
W Kilpatrick Hills (Loch Cochno) ...	J. E. McWilliam, Esq. ...	5	1	0	909	52.8	55.56	...	...
W Kilpatrick Hills (Jaw Reservoir) ...	J. E. McWilliam, Esq. ...	5	1	0	912	53.9	58.39	...	...
STIRLINGSHIRE. (Area, 463 sq. mi.)									
1.—FORTH. Right Bank Tributaries. 263 sq. mi.									
d Falkirk (Inglewood, Laurieston) ...	Miss H. S. D. Ballantine ...	5	1	0	133	34.8	38.30	198	157
D Falkirk (Westbank) Garden ...	W. Gibson, Esq. ...	5	1	0	75	36.0	40.79	222	162
D Falkirk (Westbank) Lawn ...	W. Gibson, Esq. ...	5	1	0	105	33.6	40.74	218	163
D FALKIRK (Arnotdale) ...	(+A) W. Gibson, Esq. ...	5	1	0	105	33.7	41.00	215	163
Falkirk (Kerse) ...	Robert Johnston, Esq., C.E. ...	8	1	0	18	31.9	36.62	...	...
d Grangemouth (Burgh Depot) ...	J. C. Wallace, Esq., C.E. ...	5	1	0	15	...	33.80	...	...
M Little Denny Reservoir ...	Stirling & Falkirk W. Bd. ...	8	1	0	326	42.8	49.48	...	...
M Little Denny Filters ...	Stirling & Falkirk W. Bd. ...	8	1	0	243	42.4	48.74	...	...
M Kilsyth (Faughlin Reservoir) ...	Stirling & Falkirk W. Bd. ...	8	1	0	707	54.4	60.46	...	...
D Kilsyth (Craigannet) ...	Stirling & Falkirk W. Bd. ...	8	0	6	740	...	64.92	236	181
M Fintry (Waterhead) ...	Stirling & Falkirk W. Bd. ...	8	1	0	850	61.3	67.90	...	...
M Kilsyth (Kirkburn) ...	Stirling & Falkirk W. Bd. ...	8	1	0	743	53.3	58.80	...	...
M Denny (Buckieburn Reservoir) ...	Stirling & Falkirk W. Bd. ...	8	1	0	824	45.3	63.77	...	...
M Denny (Buckieburn Filters) ...	Stirling & Falkirk W. Bd. ...	8	1	0	760	42.1	64.87	...	...
D Plean (Governor's House) ...	Lt.-Col. S. H. Cowan ...	5	1	0	120	...	43.39	199	154
M Earlsburn Reservoir ...	Stirling & Falkirk W. Bd. ...	8	1	0	1202	56.8	62.00	...	...
D Stirling (North Third Res.) ...	No. 1 J. C. Wallace, Esq., C.E. ...	8	0	10	574	49.4	60.29	223	173
M Stirling (North Third Res.) ...	No. 2 J. C. Wallace, Esq., C.E. ...	5	1	0	825	...	58.00	...	...
M Stirling (North Third Res.) ...	No. 3 J. C. Wallace, Esq., C.E. ...	5	1	0	1010	...	57.75	...	...
D Stirling (Touch Reservoir) ...	No. 3 D. B. Marrs, Esq. ...	8	1	0	759	49.1	55.92	224	175
D Stirling (Touch Reservoir) ...	No. 2 D. B. Marrs, Esq. ...	8	1	0	707	47.9	50.57	223	164
D Stirling (Touch Reservoir) ...	No. 1 D. B. Marrs, Esq. ...	8	1	0	455	47.6	55.18	226	177
D Kippen (Gribloch Gardens) ...	Head Gardener ...	5	1	0	530	...	47.68	204	168

DIVISION XV—WEST MIDLAND COUNTIES—(contd.)

STATIONS		AUTHORITIES		Rain-gauge				Average Rain-fall	1951		
				Diam.	Height of		Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
				in.	ft.	in.		ft.				in.	in.
STIRLINGSHIRE—(contd.).											
1.—FORTH—(contd.).											
D	STIRLING (Sauchie House)	...	Town Council	5	1	0	151	35.9	39.55	190	150
D	Meiklewood	...	Mr. W. Donaldson	5	1	0	35	...	42.04	176	145
M	Duchray Valley (Ben Lomond)	...	S. D. Canvin, Esq., C.E.	8	1	3	1500	89.2	90.50	...	...
M	Duchray Valley (Glen Dhu)	...	S. D. Canvin, Esq., C.E.	8	1	0	500	81.8	85.25	...	...
M	Duchray Valley (Comer)	...	S. D. Canvin, Esq., C.E.	8	1	0	600	86.5	81.70	...	...
M	Duchray Valley (Achaidd Burn)	...	S. D. Canvin, Esq., C.E.	8	1	0	1200	94.4	93.85	...	...
	Duchray Valley (Hd. of Main Stream)	...	S. D. Canvin, Esq., C.E.	8	1	0	950	88.8	91.30	...	...
2.—FORTH. Teith. 5 sq. mi.											
D	Stronachlachar (Invergyle)	...	S. D. Canvin, Esq., C.E.	8	1	6	376	83.2	76.55	239	190
3.—FORTH. Left Bank Tributaries. 15 sq. mi.											
D	Bridge of Allan (Langlands)	...	W. H. Gillespie, Esq.	5	1	0	45	...	38.80	205	152
4.—CLYDE. Leven. 128 sq. mi.											
M	Kilpatrick Hills (Burncrooks Res.)	...	J. E. McWilliam, Esq.	5	1	0	835	51.9	55.31	...	...
D	Strathblane (Blanehead)	...	S. D. Canvin, Esq., C.E.	5	0	7	250	50.6	59.12	221	189
D	Fintry (Police Station)	...	S. Armstrong, Esq.	5	1	0	300	...	66.19	211	181
D	Balfour (Old Ballikrain)	...	A. R. Cross, Esq.	5	1	0	214	...	54.93	233	181
	Loch Arklet (Corriehichon)	...	S. D. Canvin, Esq., C.E.	8	1	6	870	82.6	82.10	...	...
5.—CLYDE. Right Bank Tributaries. 52 sq. mi.											
D	Strathblane (Mugdock Reservoir)	...	S. D. Canvin, Esq., C.E.	5	0	6	320	46.2	51.44	233	181
D	Milngavie (Eastertoun)	...	Major R. M. Ker	5	1	0	450	46.4	50.12	230	167
d	Kilsyth (Sewage Works)	...	J. Milne, Esq.	5	1	0	135	...	51.74	227	183
D	Kilsyth (Innsbridge)	...	J. Milne, Esq.	5	4	6	197	47.7	55.88	251	185
D	Lennoxton	...	W. R. Patterson, Esq.	5	1	0	200	...	60.08	228	189
BUTESHIRE. (Area, 218 sq. mi.)											
1.—ISLE OF BUTE. 50 sq. mi.											
D	Rothesay (Dhu Loch W.W.)	...	A. Stephen, Esq.	5	1	6	273	...	50.71	239	184
D	ROTHESAY (Ardencraig)	...	Mr. J. McDermott	5	1	0	200	49.0	52.77	221	179
2.—CUMBRAES. 4 sq. mi.											
D	Millport (St. Andrew's Home)	...	Medical Superintendent	5	0	9	10	...	45.57	216	179
D	Millport (Marine Biological Stn.)	...	Director	5	1	0	16	40.1	43.27	231	182
3.—ARRAN. 164 sq. mi.											
D	Dougarie Lodge	...	P. Helm, Esq.	5	1	0	50	46.0	54.48	219	214
ARGYLLSHIRE. (Area, 3,181 sq. mi.)											
1.—TAY. Tummel. 36 sq. mi.											
2.—SOUND OF ARISAIG, SOUND OF MULL & C. 317 sq. mi.											
D	Ardnamurchan Lighthouse	...	Com'rs. of N. Lighthouses	5	1	0	79	...	54.68	232	195
D	Morvern (Drimnin)	...	Miss A. Horsman	5	1	0	225	62.4	67.64	264	239
w	Loch Sunart (Carnlia, Salen)	...	Dr. D. Fergusson	5	1	0	35	76.9	73.61	...	...
3.—LOCH LINNHE. Right Bank Tributaries. 139 sq. mi.											
D	Morvern (Kingairloch)	...	Mr. A. Cameron	5	1	0	71	98.4	102.22	227	216
d	Ardgour (Inversanda)	...	Mrs. N. Irvine	5	1	0	25	...	98.55	241	208
	Corran Lighthouse	...	Com'rs. of N. Lighthouses	5	1	0	13	81.0	86.25	228	215
D	Ardgour House	...	Mrs. Maclean of Ardgour	5	0	10	60	97.6	91.07	251	219
D	Conaglen	...	Mrs. M. Kerr	5	4	0	50	...	97.82	249	218

DIVISION XV—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1951		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
ARGYLLSHIRE—(contd.).									
4.—LOCH LINNHE. Left Bank Tributaries. 165 sq. mi.									
D Barcaldine	Forestry Commission ...	5	1	0	50	65·9	64·46	225	197
D Loch Creran (Rhugarbh)	Miss Chisholm of Chisholm ...	5	1	0	20	...	61·99	233	197
D Duror (Achadh Nan Sqiath)	G. H. Malcolm, Esq. ...	5	1	0	40	...	61·25	210	207
D Glenduror Forest	Forestry Commission ...	5	1	0	950	...	112·85	...	...
D Glencoe Gardens	Mr. D. MacDonald ...	8	1	1	85	...	98·80	253	220
D Glenleven (Kinlochleven)	British Aluminium Co. Ltd. ...	8	1	0	140	86·4	87·86	257	222
5.—LOCH ETIVE. 197 sq. mi.									
D Taynult (Muckairn)	R. Nelson, Esq. ...	5	0	9	60	...	61·04	231	197
M Glen Etive	D. McInnes, Esq. ...	5	1	3	127	94·0	97·16	...	...
6.—LOCH ETIVE. Loch Awe. 319 sq. mi.									
D Loch Awe (Inverinan)	W. D. Rattray, Esq. ...	5	1	0	150	...	77·80	226	209
7.—FIRTH OF LORNE. 112 sq. mi.									
Kilninver	A. F. Nicol, Esq. ...	5	1	5	40	58·7	67·49	...	...
w Oban (Gleann-a-Bhearraidh Res.)	Burgh Surveyor ...	8	1	6	400	57·2	61·49	...	...
D OBAN	Burgh Surveyor ...	8	1	1	229	...	58·23	235	196
8.—SOUND OF JURA. 163 sq. mi.									
D Lochgilphead (Poltalloch)	Colonel G. I. Malcolm ...	5	1	3	120	52·7	56·49	241	209
9.—KINTYRE, WEST. 146 sq. mi.									
||Mull of Kintyre... ..	Com'rs. of N. Lighthouses ...	5	1	0	270	40·9	43·60	222	175
d Largie Castle	Mrs. Moreton MacDonald ...	5	1	1	160	46·3	52·08	212	183
d West Loch Tarbert (Ardpatrick)	W. B. K. Kenneil, Esq. ...	5	0	10	25	...	42·57	233	184
w West Loch Tarbert (Dunmore)	Capt. J. V. Taylor ...	5	1	8	100	...	49·67	...	...
10.—KINTYRE, EAST. 177 sq. mi.									
D Campbeltown	D. M. Kellock, Esq., C.E....	5	1	0	20	...	57·75	205	180
d Glen Lussa (Corrylach)	N. of S. Hydro-Electric Bd. ...	5	1	0	442	...	58·35	...	202
M Glen Lussa (Bordadubh)	N. of S. Hydro-Electric Bd. ...	5	1	0	570	...	60·76	...	...
D Carradale (Torrisdale Castle)	Mrs. John Campbell ...	5	1	0	84	65·5	68·32	236	202
D Carradale (Saddell Manse)	Rev. J. A. Argyll Baker ...	5	1	6	25	62·6	64·77	240	204
D Monybacach (Skipness)	W. McLaren, Esq. ...	5	1	1	80	48·8	54·30	223	196
11.—LOCH FYNE. 264 sq. mi.									
D Ardlamont (Kilbride)	J. W. Turnbull, Esq. ...	5	1	0	110	46·5	55·25	220	187
D Ardrishaig (Stronachullin)	Jas. E. Scott, Esq. ...	5	1	0	50	...	71·49	224	207
D Ardrishaig (Canal Office)	Engineer & Manager ...	5	1	0	48	63·5	66·16	244	214
D LOCH FYNE (LEPH NMORE)	(+A) College of Agriculture ...	5	1	0	30	...	69·23	220	196
D Loch Fyne (Barnacarry)	Miss M. Manton ...	5	1	8	44	...	69·51	235	199
D Crarae Lodge	Capt. G. I. Campbell ...	5	1	0	20	70·2	73·12	237	205
D Strachur Park	Lady G. Campbell ...	5	1	9	25	68·8	71·37	255	210
D Brenchoillie	A. R. Page, Esq. ...	5	1	0	240	68·9	76·98	239	206
D Inveraray Castle Gardens	J. McRobbie, Esq. ...	5	1	0	40	77·2	81·01	233	207
D Ardkinglas	J. R. Taylor, Esq. ...	8	1	6	37	...	81·84	248	214
w Loch Sloy (Beinn Chorrannach)	N. of S. Hydro-Electric Bd. ...	5	1	0	1340	...	125·73	...	...
w Loch Sloy (Allt Uaine)	N. of S. Hydro-Electric Bd. ...	5	1	0	1123	...	124·56	...	...
d Ellerigbeg	N. of S. Hydro-Electric Bd. ...	5	1	0	29	...	83·69	...	...
w Brannie Burn	N. of S. Hydro-Electric Bd. ...	5	1	0	1370	...	109·34	...	...
D Glenfyne Lodge... ..	N. of S. Hydro-Electric Bd. ...	5	1	0	126	...	93·07	218	212
w Allt Na Lairige	N. of S. Hydro-Electric Bd. ...	5	1	0	1075	...	119·15	...	...
w Sron-Mor	N. of S. Hydro-Electric Bd. ...	5	1	0	1194	...	95·22	...	...
M Loch Fyne Head	N. of S. Hydro-Electric Bd. ...	5	1	0	1151	...	107·66	...	...

|| Site unorthodox.

DIVISION XV—WEST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			.01 in. or more	.04 in. or more
ARGYLLSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
12.—FIRTH OF CLYDE AND COWAL. 242 sq. mi.									
D Toward (Knockdow Gardens) ...	Miss Augusta Lamont ...	5	1	2	101	56·8	52·66	249	186
D Dunoon (Waterworks) ...	Burgh Surveyor ...	5	1	7	227	...	76·83	243	197
D Ardnadam (Ashville) ...	Charles F. Priestley, Esq. ...	5	1	0	26	...	74·46	230	185
d Glendaruel (Ormidale) ...	O. M. Chance, Esq. ...	5	1	0	60	...	75·32	...	...
d Glen Tarsan ...	N. of S. Hydro-Electric Bd. ...	5	1	0	400	...	81·82	...	...
D DUNOON (BENMORE Forest School) ...	Forestry Commission ...	5	1	0	46	...	80·27	227	205
D Loch Eck (Benmore) ...	Head Gardener ...	5	1	0	40	...	85·15	252	204
d Garvie Farm ...	N. of S. Hydro-Electric Bd. ...	5	1	0	150	...	87·31	...	204
D Strachur (GLENBRANTER) ...	Forestry Commission ...	5	1	0	120	85·2	88·35	246	213
D Lochgoilhead (Ardgoil) ...	G. H. Garside, Esq., ...	5	1	0	20	85·4	82·50	222	201
13.—CLYDE. Leven. 4 sq. mi.									
w Loch Sloy (Beinn Ime 'South') ...	N. of S. Hydro-Electric Bd. ...	5	1	0	1322	...	121·13	...	...
w Loch Sloy (Beinn Ime 'North') ...	N. of S. Hydro-Electric Bd. ...	5	1	0	1533	...	123·49	...	...
14.—INSULAR. 854 sq. mi.									
Sanda Lighthouse ...	Com'rs. of N. Lighthouses ...	5	2	9	134	36·8	41·67	204	169
Islay (Lochindaal) ...	Com'rs. of N. Lighthouses ...	5	0	7	45	44·0	49·22	218	200
Islay (McArthur's Head) ...	Com'rs. of N. Lighthouses ...	5	6	0	173	56·5	51·97	223	203
D Islay (Eallabus) ...	J. H. Cranston, Esq. ...	5	1	0	68	48·9	49·65	221	201
Islay (Rhuvaal) ...	Com'rs. of N. Lighthouses ...	5	1	0	69	42·0	42·43	196	174
M Jura (Ardfin) ...	W. Riley Smith, Esq. ...	5	1	0	160	...	61·12	...	...
D Jura (Tarbert) ...	Lord Astor ...	5	1	0	30	50·3	54·55	225	200
D Jura (Ardlussa) ...	R. G. Fletcher, Esq. ...	5	0	9	100	50·1	52·28	231	187
D COLONSAY ...	Lord Strathcona ...	5	1	0	87	47·4	51·95	254	209
d Seil (An Cala) ...	Col. the Hon. A. C. Murray ...	5	1	0	30	57·4	64·26	...	...
Lismore (Mousedale) ...	Com'rs. of N. Lighthouses... ..	7	3	10	38	43·7	46·03	195	183
D Iona (Maol) ...	Mr. MacNiven ...	5	1	0	60	...	50·54	235	200
D Mull (Gruline) ...	Mr. J. Walker ...	8	1	0	100	79·0	87·17	263	235
Mull, Sound of ...	Com'rs. of N. Lighthouses ...	...	...	...	...	61·5	66·98	234	218
D TIREE Airport ...	(+A) Meteorological Office ...	8	1	0	29	44·7	50·15	238	192

DIVISION XVI—EAST MIDLAND COUNTIES

CLACKMANNANSHIRE. (Area, 55 sq. mi.)

1.—FORTH. LOWER. Left Bank Tributaries. 55 sq. mi.									
D Alloa House Gardens ...	Earl of Mar & Kellie, K.T. ...	5	3	0	50	33·2	38·22	198	153
w Alloa W.W. (Gartmorn Reservoir) ...	Burgh Surveyor ...	5	1	0	172	32·1	36·78	...	...
D Tillicoultry (The Cemetery) ...	Superintendent ...	5	1	0	80	34·5	38·35	203	160
w Menstrie (Lipney Filters) ...	J. D. A. Ross, Esq....	5	1	0	328	...	38·36	...	...
M Glendevon (Broich Burn) No. 2 ...	County Engineer, Fife ...	8	1	0	1333	71·7	78·15	...	...
M Glendevon (Burnfoot Hill) No. 8 ...	County Engineer, Fife ...	8	1	0	1721	...	68·56	...	...
M Glendevon (Backhill) No. 9 ...	County Engineer, Fife ...	8	1	0	1067	58·3	66·22	...	...
d Glendevon (Backhill) ...	County Engineer, Fife ...	8	1	0	1067	59·9	67·80	...	...

KINROSS-SHIRE. (Area, 87 sq. mi.)

1.—FORTH. LOWER. Left Bank Tributaries. 15 sq. mi.

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951						
		Diam.	Height of		Ground above Sea Level		Rain-fall	Days with .01 in. or more	Days with .04 in. or more				
		in.	ft.	in.		ft.				in.	in.		
KINROSS-SHIRE—(contd.).													
2.—LEVEN & C. 67 sq. mi.													
D	Loch Leven Sluice	...	...	G. Harley, Esq.	...	5	1	0	360	35.8	41.46	213	159
d	Milnathort (Laurel Bank)	...	...	Capt. L. Kininmonth	...	5	1	0	396	36.3	38.79	187	151
D	Milnathort (Ledlanet)	...	...	Sir James C. Calder, K.B.E.	...	5	1	0	700	47.1	46.87	211	180
D	Milnathort (Ochil Hills Sanatorium)	...	...	Medical Superintendent	...	5	1	0	800	47.3	48.24	190	164
3.—EDEN. 2 sq. mi.													
4.—TAY. Earn. 3 sq. mi.													
FIFESHIRE. (Area, 505 sq. mi.)													
1.—FORTH. LOWER. Left Bank Tributaries. 68 sq. mi.													
D	DUNFERMLINE	...	...	(+A) Carnegie Dunfermline Trust	...	5	1	0	237	...	32.66	188	139
D	Kincardine (Tulliallan)	...	...	Head Gardener	...	5	1	0	90	33.8	33.29	191	147
M	Carnock (Craigluscar Reservoir)	...	...	D. H. Shaw, Esq., M.C., C.E.	...	12	0	4	480	36.1	39.35	...	...
2.—LEVEN & C. 208 sq. mi.													
D	DONIBRISTLE Airfield	...	...	Naval Weather Service	...	5	1	0	120	...	31.84	178	140
D	Burntisland (Cullaloe Res.)	...	...	Burgh Surveyor	...	5	1	0	294	...	33.31	171	146
D	KIRKCALDY (Beveridge Park)	...	...	Town Clerk	...	5	1	0	106	30.0	33.97	193	145
D	Cowdenbeath (Sewage Works)	...	...	H. Gardiner, Esq.	...	5	1	0	390	...	37.43	202	164
	Cleish Hills (Craigaveral)	...	...	H. Gardiner, Esq.	...	5	1	0	760	41.0	41.88	...	...
	Cleish Hills (Roscobie Res.)	...	...	H. Gardiner, Esq.	...	5	1	0	660	39.6	39.44	...	...
	Kirkcaldy (Carberry)	...	...	R. Ritchie, Esq.	...	5	1	0	326	...	36.50	203	152
	Cleish Hills (Blairadam)	...	...	H. Gardiner, Esq.	...	5	1	0	670	35.8	37.47	...	...
D	Glenrothes (Woodside)	...	...	(+A) Chief Architect	...	5	1	0	273	...	35.41	196	144
D	Leslie (Lothrie Reservoir)	...	...	R. Ritchie, Esq.	...	5	1	0	700	36.7	40.03	199	155
D	Leven (Silverburn)	...	...	Sir David Russell	...	5	1	0	70	...	30.89	184	140
D	Markinch (Rothes)	...	...	Sir David Russell	...	5	1	0	198	...	35.69	205	152
D	Markinch (Carriston Reservoir)	...	...	Water Superintendent	...	5	0	9	293	32.9	40.89	207	159
D	Markinch (Coul Reservoir)	...	...	Water Superintendent	...	5	0	9	438	35.2	41.37	210	164
D	Carnbee (Ovenstone Waterworks)	...	...	Mr. John R. Stewart	...	5	1	0	168	25.8	31.74	193	139
D	Arncroach (Belliston)	...	...	Mr. J. M. Roger	...	5	1	1	270	...	35.10	202	140
3.—EDEN & C. 205 sq. mi.													
D	Cupar (Clatto Reservoir)	...	...	R. W. Morrison, Esq.	...	5	1	0	505	30.1	40.33	213	151
D	Cameron (Waterworks)	...	...	Burgh Surveyor	...	5	1	0	478	29.9	35.83	193	148
D	Cupar (Pitlair)	...	...	Mr. John Blyth	...	5	1	0	126	29.5	34.84	185	144
d	Cupar (Rankeillour)	...	...	Mr. R. Meldrum	...	5	1	0	240	28.7	34.35	167	143
D	CUPAR (Fife District Asylum)	...	...	Medical Superintendent	...	5	1	0	210	27.7	35.82	187	146
D	Kingsbarns	...	...	J. N. Dickie, Esq.	...	5	1	0	70	...	32.54	191	138
D	Cupar (Over Rankeillour)	...	...	late H. Giles Walker, Esq.	...	5	1	0	200	28.7	32.88	176	137
D	Cupar (Beet Sugar Factory)	...	...	British Sugar Corpn. Ltd.	...	5	1	0	82	...	34.71	156	128
D	St. Andrews (Waterworks)	...	...	Burgh Surveyor	...	5	1	0	217	27.3	33.78	200	146
D	ST. ANDREWS	...	...	Burgh Surveyor	...	5	1	0	13	27.1	31.48	175	139
D	LEUCHARS Airfield	...	...	(+A) Meteorological Office	...	8	1	0	36	25.7	30.28	177	126
4.—FIRTH OF TAY. 25 sq. mi.													
D	Balmerino Manse	...	...	Mr. R. L. Constable	...	5	1	0	200	...	31.20	184	129
D	Newport (Tayfield)	...	...	W. Berry, Esq.	...	5	1	0	100	28.3	34.55	176	140
D	Tayport Lighthouse	...	...	Dundee Harbour Trust	...	5	1	0	27	26.3	31.20	186	131
5.—TAY. Earn. 1 sq. mi.													
6.—INSULAR.													
	Isle of May	...	...	Com'rs. of N. Lighthouses	...	5	4	0	180	...	25.23	141	115

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above			·01 in. or more	·04 in. or more
			ft.	ft.	ft.				
PERTHSHIRE. (Area, 2,535 sq. mi.)									
1.—FORTH. Right Bank Tributaries. 17 sq. mi.									
D Loch Dhu	... S. D. Canvin, Esq., C.E.	8	1	0	325	79·8	79·07	224	189
2.—FORTH. UPPER. Left Bank Tributaries. 84 sq. mi.									
D Loch Ard (Couligarton)	... Major R. S. Cuninghame	5	0	10	200	...	75·95	243	194
3.—FORTH. Teith. 221 sq. mi.									
M Ochtertyre (Stirling)	... Lt.-Col. J. C. Dundas, D.S.O.	5	1	0	14	39·4	39·87	...	...
Loch Drunkie	... S. D. Canvin, Esq., C.E.	8	1	10	420	62·4	60·10	...	...
Ben Venue (Glasahaille)	... S. D. Canvin, Esq., C.E.	8	1	6	1150	79·4	78·70	...	...
D Loch Vennachar	... S. D. Canvin, Esq., C.E.	5	1	0	273	55·3	56·82	221	171
D Brig o' Turk	... S. D. Canvin, Esq., C.E.	5	1	0	275	63·7	63·97	216	180
Loch Katrine (Tunnel Hill Top)	... S. D. Canvin, Esq., C.E.	8	1	6	830	79·0	82·70	...	...
Ben Ledi	... S. D. Canvin, Esq., C.E.	8	1	8	1400	67·0	63·80	...	...
Achnahard	... S. D. Canvin, Esq., C.E.	8	1	0	474	65·5	66·15	...	...
Callander (Leny House)	... Capt. M. Murray Buchanan	5	1	0	340	56·9	55·00	...	...
w Strone Bridge	... S. D. Canvin, Esq., C.E.	8	1	6	380	71·7	70·70	...	...
Glen Meann	... S. D. Canvin, Esq., C.E.	8	1	0	800	76·5	72·80	...	...
Glen Finlas	... S. D. Canvin, Esq., C.E.	8	1	0	1200	78·3	76·65	...	...
D Glengyle	... S. D. Canvin, Esq., C.E.	8	1	0	380	89·9	89·13	221	213
Upper Glengyle	... S. D. Canvin, Esq., C.E.	8	1	6	750	94·7	95·57	...	...
Allt a' Choin	... S. D. Canvin, Esq., C.E.	8	1	0	1250	88·2	88·60	...	...
d Strathyre...	... Forestry Commission	5	1	0	425	...	76·20	...	...
w Balquhiddie (Blaircreach)	... Miss E. Fergusson	5	1	0	460	92·7	94·48	...	...
D Balquhiddie (Stronvar)	... Major G. Fullerton-Carnegie	5	1	0	422	74·2	69·97	241	183
4.—FORTH. LOWER. Left Bank Tributaries. 107 sq. mi.									
d Dunblane (Elmswood)	... A. E. Martin, Esq.	5	1	0	300	...	41·63	188	159
D Glendevon (Glenquey Res.)	... No. 2 County Engineer, Fife	8	1	0	942	58·0	61·03	232	183
D Glendevon (Frandy)	... County Engineer, Fife	8	1	0	911	61·6	66·71	211	186
Glendevon (Glensherup)	... D. H. Shaw, Esq., M.C., C.E.	12	0	4	945	59·0	59·89	...	...
M Glendevon (Bald Hill)	... No. 1 County Engineer, Fife	8	1	0	1202	58·0	64·70	...	...
M Glendevon (Wether Hill)	... No. 10 County Engineer, Fife	8	1	0	1408	...	61·66	...	...
5.—LEVEN. 1 sq. mi.									
6.—EDEN. 4 sq. mi.									
7.—TAY. Earn. 376 sq. mi.									
M Blackford	... Water Engineer, Perth	5	1	7	500	...	45·86	...	...
Upper Farg (Plains)	... County Engineer, Fife	8	1	0	900	...	43·91	...	...
D Upper Farg (Main Bank)	... County Engineer, Fife	8	1	0	632	...	44·98	210	156
D Bridge of Earn (Ballendrick)	... G. M. Taylor, Esq.	5	1	0	50	31·5	35·68	188	147
D Lochearnhead (Ardloch)	... S. Moir, Esq.	5	1	0	370	62·1	64·13	254	186
d Lochearnhead (Edinchip)	... Sir Malcolm MacGregor, Bt.	5	1	0	513	69·0	70·59	208	182
D Comrie (Dunira Gardens)	... W. P. Robertson, Esq.	5	1	8	200	...	56·99	191	162
d Comrie (Invergeldie Lodge)	... N. of S. Hydro-Electric Bd.	5	1	0	795	...	57·80	...	163
d Crieff (Strathearn Hydro)	... Manager	5	1	0	478	40·9	43·51	192	160
Loch Turret (Lower Glenturret)	... Water Engineer, Perth	5	1	0	1090	...	57·82	...	...
Loch Turret (Glenturret Lodge)	... Water Engineer, Perth	5	1	0	1280	...	71·02	...	...
Loch Turret (Upper Glenturret)	... Water Engineer, Perth	5	1	0	1400	...	72·27	...	...
Loch Turret (Ben Chonzie)	... Water Engineer, Perth	5	1	0	2800	...	79·76	...	...
Loch Turret (Lochaine Uaine)	... Water Engineer, Perth	5	1	0	1550	...	76·98	...	...

DIVISION XVI—EAST MIDLAND COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			Ground	Sea Level				or more	or more
PERTHSHIRE—(contd.).									
17.—FIRTH OF TAY. 45 sq. mi.									
Errol (Fingask) ...	Water Engineer, Perth ...	5	1	0	550	...	33·65	...	...
18.—SPEY. Right Bank Tributaries. 1 sq. mi.									
19.—LOCH LINNHE. Left Bank Tributaries. 2 sq. mi.									
20.—CLYDE. Leven. 36 sq. mi.									
w Lairig (Arman) ...	N. of S. Hydro-Electric Bd.	5	1	0	1115	...	112·93	...	...
w Dubh Eas ...	N. of S. Hydro-Electric Bd.	5	1	0	1210	...	109·92	...	...
ANGUS. (Area, 875 sq. mi.)									
1.—TAY. Isla. 211 sq. mi.									
d Glamis Castle ...	Mr. D. McInnes ...	5	0	7	250	30·9	37·47	183	134
D Forfar (Yeaman Street) ...	Miss I. S. Welsh ...	5	1	6	226	...	36·33	194	140
D Kirriemuir (Lintrathen) ...	(+A) R. Little, Esq., C.E. ...	8	1	0	700	34·7	39·72	194	146
M Kirriemuir (Balnakeilly) ...	R. Little, Esq., C.E. ...	5	1	0	700	34·1	40·75	...	...
M Kirriemuir (Dykends) ...	R. Little, Esq., C.E. ...	5	1	0	750	36·4	44·80	...	...
M Kirriemuir (Backwater) ...	R. Little, Esq., C.E. ...	5	1	0	850	39·7	49·12	...	...
M Kirriemuir (Westerton) ...	R. Little, Esq., C.E. ...	5	1	0	900	40·5	45·70	...	...
M Kirriemuir (Macritch) ...	R. Little, Esq., C.E. ...	5	1	0	1300	38·7	50·95	...	...
M Kirriemuir (Newton) ...	R. Little, Esq., C.E. ...	5	1	0	735	37·4	45·55	...	...
M Kirriemuir (Longdrum) ...	R. Little, Esq., C.E. ...	5	1	0	1045	39·3	49·65	...	...
M Kirriemuir (Glendye) ...	R. Little, Esq., C.E. ...	6	1	0	1050	44·9	56·65	...	...
M Kirriemuir (Barney) ...	R. Little, Esq., C.E. ...	5	1	0	1170	40·2	53·00	...	...
M Kirriemuir (Glenhead) ...	R. Little, Esq., C.E. ...	5	1	0	1260	43·1	53·05	...	...
M Kirriemuir (Dalvanie) ...	R. Little, Esq., C.E. ...	5	1	0	1020	42·7	46·30	...	...
M Kirriemuir (Glen Damff) ...	R. Little, Esq., C.E. ...	5	1	0	1360	43·7	55·20	...	...
2.—FIRTH OF TAY. 80 sq. mi.									
D Carnoustie (BUDDON NESS Light) ...	Dundee Harbour Trust ...	5	1	0	15	26·4	29·85	185	130
D Dundee (Harbour) ...	Dundee Harbour Trust ...	5	1	0	13	27·4	30·01	170	124
D Dundee (Stobsmuir Reservoir) ...	R. Little, Esq., C.E. ...	5	1	0	278	...	33·75	191	136
d Dundee (Camperdown Works) ...	Cox Bros. Ltd. ...	5	1	0	300	26·8	31·60	...	...
D DUNDEE (Mayfield) ...	Director of Studies ...	8	1	0	147	26·2	33·18	185	133
D Dundee (Clatto Reservoir) ...	R. Little, Esq., C.E. ...	8	1	2	498	...	33·56	207	142
3.—SOUTH ESK & C. 371 sq. mi.									
D CARNOUSTIE ...	Burgh Surveyor ...	8	1	0	17	27·2	32·91	191	138
D Monikie Reservoir ...	R. Little, Esq., C.E. ...	5	1	0	494	34·7	39·33	202	144
D Monikie (Crombie Reservoir) ...	R. Little, Esq., C.E. ...	5	1	0	528	35·2	39·92	194	140
M Monikie (Fallaws) ...	R. Little, Esq., C.E. ...	8	3	0	585	33·2	39·81	...	...
D ARBROATH (Springfield Park) ...	Town Council ...	5	1	0	95	25·6	27·79	180	132
w Arbroath (Muirheads Reservoir) ...	Burgh Engineer ...	5	1	0	251	28·1	34·08	...	...
D Forfar (Pitscandly House) ...	Mrs. Ewen ...	5	1	8	300	...	35·05	167	138
D MONTROSE ...	Burgh Surveyor ...	5	1	0	16	...	29·43	182	134
D Montrose (West End Park) ...	Burgh Surveyor ...	5	1	0	19	26·0	32·48	169	128
D Forfar W.W. (Den of Ogil) ...	Alex. C. Millar, Esq. ...	12 × 4	3	1	633	39·4	45·45	212	162
D Glenogil (Waterworks) ...	Burgh Engineer, Arbroath ...	5	1	0	690	40·9	41·27	194	149
M Glen Prosen (Cormuir) ...	R. Little, Esq., C.E. ...	5	1	0	870	53·1	49·40	...	...
4.—NORTH ESK & C. 213 sq. mi.									
D MONTROSE (SUNNYSIDE ASYLUM) ...	Medical Superintendent ...	5	0	10	200	27·0	32·51	183	145
D Brechin (Stracathro Hospital) ...	Medical Superintendent ...	5	1	0	120	...	35·59	183	137

DIVISION XVII—NORTH-EASTERN COUNTIES

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
		in.	ft.	in.	ft.	in.	in.		
KINCARDINESHIRE. (Area, 382 sq. mi.)									
1.—NORTH ESK & C. 99 sq. mi.									
d Laurencekirk (Johnston Lodge) ...	Miss Elspeth Johnston ...	5	1	0	400	33·1	41·29	167	148
D Fettercairn (Fasque) ...	A. C. Gladstone, Esq. ...	5	0	10	320	36·0	43·23	191	155
D FETTERCAIRN (GLENSAUGH) ...	(+A) N. of S. College of Ag. ...	5	1	0	560	...	45·50	191	161
d Fordoun (Auchenblae) ...	G. W. McConachie, Esq. M. A. ...	5	1	0	362	33·2	37·83	...	...
2.—BERVIE, COWIE & C. 139 sq. mi.									
Todhead Point Lighthouse ...	Com'rs. of N. Lighthouses ...	5	1	9	114	...	(27·56)	157	116
D STONEHAVEN ...	Town Council ...	5	1	0	125	27·4	33·44	185	135
D MUCHALLS ...	N. of S. College of Ag. ...	5	1	0	210	...	34·31	181	137
3.—DEE. 144 sq. mi.									
D Strachan (Bridge of Dye) ...	A. C. Gladstone, Esq. ...	5	1	0	513	43·9	49·11	200	154
D Banchory (Invery) ...	Major Jas. Kerr ...	5	1	0	225	34·8	42·84	198	143
D Banchory (Invercarnie) ...	A. G. Booth, Esq., C.E. ...	5	0	9	208	31·9	36·61	208	139
ABERDEENSHIRE. (Area, 1,974 sq. mi.)									
1.—DEE. 672 sq. mi.									
D Glen Muick ...	A. G. Booth, Esq., C.E. ...	5	1	0	1370	45·1	53·64	249	198
M Glen Muick (Inchnabobart) ...	A. G. Booth, Esq., C.E. ...	5	1	0	1270	41·9	50·47	...	...
D Aitnack ...	A. G. Booth, Esq., C.E. ...	5	1	0	1260	41·9	56·95	226	164
D BRAEMAR (Bank) ...	R. A. Lees, Esq. ...	5	1	0	1111	35·4	38·69	214	151
D Braemar (Derry Lodge) ...	A. G. Booth, Esq., C.E. ...	5	1	0	1400	38·1	39·04	211	176
D Glen Tanar (Mansion House) ...	Lord Glentanar ...	5	1	0	553	...	43·79	197	145
D BALMORAL Castle Gardens ...	(+A) Mr. E. Stuart ...	5	1	0	927	33·0	34·89	228	148
d Ballater (Irrigation Farm) ...	A. G. Booth, Esq., C.E. ...	5	1	0	637	33·2	39·43	189	142
M Beinn Bhreac ...	A. G. Booth, Esq., C.E. ...	5	1	0	2700	47·1	46·10	...	...
d Aboyne (Irrigation Farm) ...	A. G. Booth, Esq., C.E. ...	5	1	0	380	31·9	35·63	188	134
D Glen Gairn (Gairn Shiel Lodge) ...	A. G. Booth, Esq., C.E. ...	5	1	0	1100	34·4	38·35	229	158
M Glen Gairn (Corndavon) ...	A. G. Booth, Esq., C.E. ...	5	1	0	1500	...	38·79	...	...
M Lumphanan ...	A. G. Booth, Esq., C.E. ...	5	1	0	490	31·6	36·24	...	...
D Drumoak (Drum Castle) ...	H. Q. Forbes Irvine, Esq. ...	5	1	0	320	30·9	41·97	212	158
D LOGIE COLDSTONE School ...	Jas. R. Ferguson, Esq., M.A. ...	5	1	0	608	30·9	35·15	201	147
W Bieldside (Netherton Lodge) ...	J. A. Ross, Esq. ...	8	1	0	675	...	36·40	...	...
D ABERDEEN (MANNOFIELD RES.) ...	City Engineer, Aberdeen ...	5	1	0	171	30·5	37·33	212	143
D Craigiebuckler ...	Macaulay Inst. Soil Research ...	5	1	0	220	...	41·20	208	157
2.—DON. 512 sq. mi.									
D Strathdon (Tornashean) ...	Mr. G. A. Crawford ...	5	1	0	1000	...	38·71	207	153
D Bridge of Don (Braehead) ...	The Marquis of Aberdeen ...	5	1	0	114	...	35·28	194	143
D Craibstone (South Meethill Field) ...	Macaulay Inst. Soil Research ...	5	1	0	275	33·6	40·64	199	142
D Dyce (CRAIBSTONE) ...	College of Agriculture ...	8	1	0	300	31·5	39·87	206	142
D DYCE (Aberdeen Airport) ...	(+A) Meteorological Office ...	5	1	0	241	...	38·48	203	144
D Alford (Littlewood Park) ...	Sir Alan McLean ...	5	1	0	750	...	43·81	215	152
3.—YTHAN & C. 285 sq. mi.									
D Ellon (Esslemont House) ...	Mrs. Wolrige Gordon ...	5	1	0	100	...	34·97	220	138
D Haddo House ...	Major D. Gordon ...	5	1	0	186	31·5	36·89	210	157
D Fyvie Castle ...	Col. Sir C. R. Forbes-Leith, Bt. ...	5	1	0	200	33·9	39·36	184	147
4.—UGIE & C. 257 sq. mi.									
D New Deer (School House) ...	C. S. Henderson, Esq. ...	5	1	0	397	32·3	36·23	228	169
D Peterhead (Forehill Works) ...	J. Coull, Esq., C.E. ...	5	0	8	133	30·3	31·59	208	148
D Peterhead (Mains of Buthlaw) ...	W. Johnston, Esq. ...	5	1	6	120	30·3	32·90	210	148
D Fedderate Reservoir ...	G. S. Stewart, Esq. ...	5	0	9	410	...	41·18	250	167
D RATTRAY HEAD (C. G. Station) ...	(+A) Coastguard, for M.O. ...	5	1	0	85	...	32·23	203	161

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			above	above	above			·01 in. or more	·04 in. or more
			Ground	Sea Level					
ABERDEENSHIRE—(contd.).		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
5.— DEVERON & C. 248 sq. mi.									
BANFFSHIRE. (Area, 630 sq. mi.)									
1.— YTHAN. 1 sq. mi.									
2.— DEVERON & C. 344 sq. mi.									
D Cabrach Manse	County Road Surveyor ...	5	1	0	1025	...	43·56	236	178
D Drummuir Castle	H. G. Brown, Esq. ...	5	1	10	620	36·4	38·48	199	153
D Easterfield School	T. H. Smith, Esq. ...	5	1	0	450	...	37·93	205	156
d Keith (Isla Bank Mills) ...	G. & G. Kynoch, Ltd. ...	5	1	0	360	...	40·04	214	166
D Turriff (Forglen Gardens) ...	Mr. S. Barclay ...	5	1	0	220	31·9	37·44	211	163
D BANFF	Town Council (I. H. Gordon)	5	0	9	130	26·8	31·14	212	158
d Buckie (Rochomie)	Burgh Surveyor ...	5	1	0	287	27·0	27·36	...	...
D Cullen House Gardens	C. A. Ritchie, Esq. ...	5	1	2	150	30·6	32·71	213	148
3.— SPEY. Right Bank Tributaries. 285 sq. mi.									
D GLENLIVET (Clashnoir)	Walter Duncan, Esq. ...	5	1	0	1050	...	42·61	197	155
D Ballindalloch	R. McIntosh, Esq. ...	8	1	0	630	33·7	36·99	208	162
MORAYSHIRE. (Area, 477 sq. mi.)									
1.— DEVERON & C. 7 sq. mi.									
2.— SPEY. Right Bank Tributaries. 35 sq. mi.									
D FOCHABERS (Gordon Castle) ...	Mr. J. Taylor, for Commissioners of Crown Lands	5	0	8	104	29·8	32·91	199	156
3.— SPEY. Left Bank Tributaries. 133 sq. mi.									
D Grantown-on-Spey (Moniack) ...	H. Grant Cumming, Esq. ...	5	1	0	700	...	33·28	210	151
4.— LOSSIE & C. 154 sq. mi.									
D Forres (Dallas Lodge)	Brig. H. W. Houldsworth ...	5	1	0	600	...	37·27	210	162
D Kellas (Kellas House)	Mrs. Christie ...	5	2	0	446	31·4	39·57	200	173
D Lhanbryde (Blackhills House) ...	Mr. W. Dunbar ...	5	1	0	310	29·2	36·49	210	164
D Elgin (Kirkhill)	Mrs. M. D. MacDonald ...	5	1	7	35	...	27·90	214	141
D Elgin (The Bield)	Mrs. Harrison ...	5	1	4	120	...	28·02	200	135
d Elgin Academy	Rector ...	5	1	3	80	...	27·13	...	130
D Elgin (Lesmurdie)	Mrs. J. G. Norman ...	5	1	0	114	26·9	30·13	199	147
D Elgin (Newton Nursery)	Forestry Commission ...	5	1	0	75	...	26·27	188	123
5.— FINDHORN & C. 148 sq. mi.									
d Forres (Drumduan, West Lodge) ...	Mr. G. Dyker ...	8	1	0	150	...	26·39	...	131
D FORRES (Hydro)	Town Clerk ...	5	1	0	155	...	26·81	197	127
D Kintessack (Culbin)	Mr. W. G. Milne ...	5	1	0	28	...	27·42	201	133
D KINLOSS (R. A. F. Station) ...	Meteorological Office ...	5	1	0	16	...	24·83	190	133
NAIRNSHIRE. (Area, 163 sq. mi.)									
1.— FINDHORN & C. 102 sq. mi.									
D Ardclach (Glenferness)	Mr. J. May ...	8	1	0	700	34·8	44·94	197	164
d Lethen	Major D. J. Brodie ...	5	1	6	300	...	34·75	185	144

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of				Rain-fall	Days with .01 in. or more	Days with .04 in. or more
			Rim above Ground	Ground above Sea Level					
NAIRNSHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
2.—NAIRN & C. 61 sq. mi.									
D	Cawdor (Auchindoune) ...	...	...	...	...	...	34.99	218	149
D	Cawdor Castle ...	...	...	...	...	29.2	34.71	202	140
D	Nairn (Firhall) ...	...	...	...	...	24.7	29.22	198	127
D	Nairn (Balblair)...	...	...	...	...	24.7	31.82	167	138
D	Nairn (Achareidh) ...	...	...	...	...	23.9	26.82	200	140
D	NAIRN (Golf Course) ...	...	...	...	...	22.5	26.48	189	122

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. ...	8	1	0	1176	46.7	41.90	235	172
M Loch Seilich (Gaick Lodge) ...	N. of S. Hydro-Electric Bd.	5	1	0	1430	...	50.23	...	...
D Loch an t-Seilich ...	N. of S. Hydro-Electric Bd.	5	1	0	1430	46.6	41.49	246	174
M §Loch Cuaich ...	N. of S. Hydro-Electric Bd.	5	1	0	1340	...	35.50	...	...
D Glenshero ...	British Aluminium Co. Ltd.	8	0	10	880	45.9	45.03	237	198
D Loch Morlich (Glenmore Lodge) ...	Director of Field Studies ...	5	1	0	1075	...	40.50	216	154
Loch Morlich (Badaguish) ...	J. Fraser, Esq. ...	5	1	0	1100	...	34.40	...	...

3.—SPEY. Left Bank Tributaries. 257 sq. mi.

D Cluny Castle ...	G. A. Sinclair, Esq. ...	5	1	0	816	39.9	36.58	243	188
M Loch Spey ...	British Aluminium Co. Ltd.	5	1	0	1164	64.9	63.99	...	...
M Glen Spey (Mealgarve) ...	British Aluminium Co. Ltd.	8	1	0	1135	55.2	51.80	...	...
D Kingussie ...	Miss Jessie Dallas ...	8	1	0	800	...	32.95	254	186

4.—FINDHORN. 164 sq. mi.

D Tomatin (Dalmigavie Lodge) ...	C. W. Christie-Miller, Esq.	5	1	2	1150	42.5	44.31	219	173
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5.—NAIRN & C. 131 sq. mi.

D Dalcross Airfield ...	(+A) Meteorological Office ...	5	1	0	35	...	25.81	195	129
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6.—NESS. Right Bank Tributaries. 252 sq. mi.

d Fort Augustus (Ardachie) ...	A. T. Bruen, Esq. ...	5	1	0	100	46.5	45.73	238	185
D Fort Augustus (Auchterawe) ...	Forestry Commission ...	5	0	6	136	47.7	47.74	217	180
D Loch Ness (Garthbeg) ...	British Aluminium Co. Ltd.	8	1	0	630	40.1	44.22	242	175
D Loch Ness (Foyers) ...	British Aluminium Co. Ltd.	8	1	0	60	38.2	43.06	225	170
D Loch Ness (Aberchaldier) ...	British Aluminium Co. Ltd.	8	1	0	700	39.4	41.38	230	178
w Loch Ashie ...	A. McKenzie, Esq. ...	5	1	0	718	33.0	33.75	...	...
D INVERNESS (Culduthel Reservoir) ...	A. McKenzie, Esq. ...	5	1	0	242	27.6	30.06	211	132

7.—NESS. Garry & c. 185 sq. mi.

d Loch Quoich (Kinlochquoich) ...	Major Cameron of Lochiel	5	1	0	580	117.1	125.99	266	244
D Loch Quoich (Glenquoich) ...	Mr. R. McRae* ...	5	1	2	569	110.7	99.95	258	231

8.—NESS. Moriston. 120 sq. mi.

D Glenmoriston (Invermoriston Hotel) ...	N. of S. Hydro-Electric Bd.	5	1	0	70	44.0	46.48	228	171
d Invermoriston (Allt Saigh) ...	N. of S. Hydro-Electric Bd.	5	1	1	95	...	45.57	189	167

9.—NESS. Enrick. 131 sq. mi.

M Glen Urquhart Forest ...	W. D. Macpherson, Esq. ...	5	1	0	1000	...	44.55	...	...
d Glen Urquhart House ...	G. H. Wilkinson, Esq. ...	5	1	3	470	36.1	38.92	217	175

§ Turf wall round gauge.

* Per Capt. W. N. McClean (River Flow Records).

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain- fall	1951		
		Diam.	Height of		Ground		Rain- fall	Days with ·01 in. or more	Days with ·04 in or more
		in.	ft.	in.	ft.	in.	in.		
INVERNESS-SHIRE—(contd.).									
10.—BEAULY. 341 sq. mi.									
M Glen Affric (Creag na Calman) ...	N. of S. Hydro-Electric Bd.	5	1	0	1050	...	69·50	...	...
D Glen Affric (Affric Lodge) ...	N. of S. Hydro-Electric Bd.	5	1	0	765	59·4	55·07	252	220
M Glen Fiadh ...	N. of S. Hydro-Electric Bd.	5	1	0	1550	...	80·50	...	...
D Cannich (Balcladaich) ...	Forestry Commission ...	5	1	0	350	...	44·54	226	187
D Cannich (Fasnakyle) ...	N. of S. Hydro-Electric Bd.	5	1	0	264	41·9	42·28	217	174
M Glen Affric (Loch na Gobhlaig) ...	N. of S. Hydro-Electric Bd.	5	1	0	2050	...	67·61	...	...
D Glen Cannich (Mullardoch Dam) (+ A)	N. of S. Hydro-Electric Bd.	5	1	0	672	...	62·15	243	207
D Strathglass (Glassburn) ...	Maj.-Gen. A. L. Collier, C.B.E.	5	1	0	170	...	43·96	233	180
D Arisaig (Traig House) ...	Mrs. Vera Shaw Stewart ...	5	1	0	20	...	60·15	231	206
11.—CROMARTY FIRTH. 13 sq. mi.									
12.—SOUND OF SLEAT. 259 sq. mi.									
D Loch Morar (Rhubana) ...	N. of S. Hydro-Electric Bd.	5	1	0	52	...	71·82	253	214
D Loch Nevis (Inverie Gardens) ...	Mr. C. Broadfoot ...	5	1	0	15	84·0	74·98	244	208
D Loch Hourn (Kinlochourn) ...	Ewen MacRae, Esq. ...	5	1	0	18	100·7	102·21	256	234
13.—SOUND OF ARISAIG. 126 sq. mi.									
D Moidart (Glenmoidart) ...	Miss Margery Lees ...	5	1	0	200	84·5	82·41	271	238
D Loch Ailort (Polnish) ...	C. M. Wedderburn, Esq. ...	5	1	0	120	78·0	72·18	251	215
D Arisaig House ...	Mr. H. Milne ...	5	1	0	40	62·9	64·37	273	218
14.—LOCH LINNHE. Right Bank Tributaries. 48 sq. mi.									
15.—LOCHY. Right Bank Tributaries. 143 sq. mi.									
D Glen Loy (Erracht) ...	Major E. C. Cameron ...	5	1	0	150	79·8	76·29	249	219
D Loch Arkaig (Achnacarry) ...	Col. Sir D. W. Cameron of Lochiel ...	5	1	0	128	80·6	76·03	234	203
D Clunes (Loch Lochy West) ...	Col. Sir D. W. Cameron of Lochiel ...	5	1	6	110	73·6	73·62	235	210
16.—LOCHY. Left Bank Tributaries. 362 sq. mi.									
M Loch Treig (Creaguaineach) ...	British Aluminium Co. Ltd.	5	1	0	825	74·0	69·94	...	...
Fort William (Allt a'Mhuilinn) ...	British Aluminium Co. Ltd.	8	1	0	1000	83·6	76·02	...	...
D Fort William (The Factory) ...	British Aluminium Co. Ltd.	8	1	0	75	73·0	72·04	255	207
Spean Bridge (The Cour) ...	British Aluminium Co. Ltd.	5	1	0	1050	92·4	77·70	...	...
Sgurr Finisgaig ...	British Aluminium Co. Ltd.	8	1	0	1850	89·4	79·36	...	...
D Loch Treig (Fersit) ...	British Aluminium Co. Ltd.	8	1	0	850	62·9	79·86	234	206
M Loch Pattack ...	Sir J. F. Ramsden, Bart. ...	5	0	9	1420	58·8	57·85	...	...
M Glen Spean (Craigbeg) ...	British Aluminium Co. Ltd.	8	1	0	860	58·6	57·19	...	...
D Spean Bridge (Spean Lodge) ...	Mr. Donald Cameron ...	5	1	3	200	64·5	59·92	241	205
M Loch Lochy (Invergloyle) ...	Miss J. Allan ...	5	1	0	200	67·1	63·21	...	...
D Loch Laggan (Ardverikie) ...	Sir J. F. Ramsden, Bart. ...	5	0	6	838	54·0	50·16	252	192
17.—LOCH LINNHE. Left Bank Tributaries. 120 sq. mi.									
D ONICH ...	Forestry Commission ...	5	1	3	48	77·4	80·43	248	228
D Onich (Corran Gardens) ...	R. W. Paine, Esq. ...	5	1	0	72	...	74·79	246	213
D Glenleven (Blackwater Dam, N.) ...	British Aluminium Co. Ltd.	8	1	0	1072	85·5	88·63	275	235
D FORT WILLIAM (Teviot) ... (+ A)	J. W. Ainslie, Esq. ...	8	1	0	34	78·9	79·44	245	204
D Fort William (Glasdrum) ...	British Aluminium Co. Ltd.	5	1	0	216	75·9	82·23	251	217

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		ft.		in.	Rain-fall	Days with .01 in. or more
		in.	ft.	in.		ft.			
INVERNESS-SHIRE—(contd.).		in.	ft.	in.	ft.	in.	in.		
18.—INSULAR. INNER HEBRIDES. 832 sq. mi.									
D Isle of Eigg	Rt. Hon. Viscount Runciman	5	1	0	120	59.2	63.09	244	207
D Skye (Sasaig)	Miss J. C. Robertson	5	1	0	20	...	73.69	252	217
Oronsay Lighthouse	Com'rs. of N. Lighthouses	5	6	0	10	52.7	55.07	...	...
D Skye (Glenbrittle)	(+A) Mr. Ewen MacRae	5	1	0	30	...	88.25	268	235
D Skye (Broadford)	Dr. B. P. Miesner	5	1	0	23	76.8	76.45	262	222
D Skye (Kyleakin Dunningell)	C. A. A. Douglas-Hamilton, Esq.	5	1	0	70	...	63.75	261	198
D Skye (Gruila)	Forestry Commission	5	1	0	60	...	86.16	270	234
D Skye (Tallisker)	James A. Cameron, Esq.	5	1	0	15	...	66.96	245	211
D Skye (Loch Harport, Carbost)	Mr. D. M. MacCaskill	5	1	0	160	...	91.81	264	230
W Skye (Portree)	Alan Mackinnon, Esq.	5	1	0	65	73.1	72.84	...	...
D Skye (Loch Leathan)	N. of S. Hydro-Electric Bd.	5	0	9	480	...	78.42	272	240
D Skye (DUNTULM, Kilmuir)	Seton Gordon, Esq., C.B.E.	5	1	0	294	53.5	56.33	270	219
19.—INSULAR. OUTER HEBRIDES. 243 sq. mi.									
D BENBECULA Airport	(+A) Meteorological Office	5	1	0	16	...	52.30	263	203
D Harris (Kyles Lodge)	W. H. Lomas, Esq.	5	1	0	20	...	67.98	258	213
d N. Harris (Amhuinsuidh Castle)	N. Mackinnon, Esq.	5	1	3	12	59.0	(61.65)	(279)	(240)
ROSS & CROMARTY. (Area, 3,237 sq. mi.)									
1.—NESS. Moriston. 35 sq. mi.									
2.—BEAULY. 109 sq. mi.									
D Loch Monar (Patt)	I. Mackay, Esq.	5	1	0	700	...	68.40	234	214
3.—MORAY FIRTH COAST STREAMS. 64 sq. mi.									
D FORTROSE	Rev. W. Craig	5	1	0	69	23.8	26.30	175	128
d Fearn (Geanies)	Capt. K. Murray, J.P.	5	1	0	200	22.8	23.51	...	...
4.—CROMARTY FIRTH. 714 sq. mi.									
D Muir of Ord (Fairburn)	Major J. S. Stirling	5	1	0	500	36.2	40.15	201	170
D Dalbraec Lodge	N. of S. Hydro-Electric Bd.	5	1	0	500	...	53.22	230	191
D Loch Gowan (Luib)	N. of S. Hydro-Electric Bd.	5	1	0	625	...	68.95	232	211
D Lochluichart (East)	N. of S. Hydro-Electric Bd.	5	1	0	165	39.5	45.82	259	196
D Lochluichart (The Manse)	N. of S. Hydro-Electric Bd.	5	1	0	310	42.0	46.75	252	189
D Loch Fannich (Cabaie)	N. of S. Hydro-Electric Bd.	5	1	0	850	...	83.74	263	237
d Lochluichart (Aultdearg)	N. of S. Hydro-Electric Bd.	5	1	0	725	...	53.59	241	225
M Garbat (Dubh Choille)	Forestry Commission	5	1	0	1150	...	51.01	...	...
D Garbat Forest (Longart)	Forestry Commission	5	1	0	500	...	46.04	235	186
D Alness (Ardross School)	J. H. Ross, Esq.	5	1	0	490	...	34.24	218	153
5.—DORNOCH FIRTH. 355 sq. mi.									
D Tain (Tarlogie House)	Lt.-Col. A. K. McLeod	5	1	3	140	29.0	31.08	210	147
6.—ENARD BAY. 78 sq. mi.									
7.—LOCH BROOM & C. 367 sq. mi.									
D TARBETNESS	Com'rs. of N. Lighthouses	5	1	0	60	...	22.20	181	122
D Inverbroom (Glackour)	Forestry Commission	5	1	0	65	56.5	59.94	236	203
D Dundonnell House	Lt.-Col. Sir T. M. Peto, Bart	5	1	0	150	...	66.53	252	212
D Ullapool	N. of S. Hydro-Electric Bd.	5	1	6	75	46.5	46.23	232	185

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

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
ROSS & CROMARTY—(contd.)									
		in.	ft.	in.	ft.	in.	in.		
8.—LOCH EWE, LOCH TORRIDON & C. 423 sq. mi.									
w Loch Torridon (Torridon House) ...	Capt. R. G. Gunter ...	5	1	0	25	...	67·52	...	...
w Am Feur Loch ...	N. of S. Hydro-Electric Bd. ...	5	1	0	400	...	71·26	...	...
D Gairloch (Sheildaig Lodge) ...	N. of S. Hydro-Electric Bd. ...	5	1	0	10	...	57·49	250	215
D Inverasdale (Midtown) ...	Alex. J. MacLeod, Esq. ...	5	1	0	40	...	62·44	227	204
9.—LOCH CARRON, LOCH ALSH & C. 401 sq. mi.									
D Glenshiel (Kyle) ...	Mr. M. Macrae* ...	5	1	0	650	135·2	118·61	291	264
d Loch Duich (Ratagan) ...	Forestry Commission ...	5	1	0	12	82·3	68·35	249	219
M Loch Duich (Druim Sgurr) ...	Forestry Commission ...	5	1	0	1000	...	69·92	...	...
d Loch Duich (Inverinate) ...	The Hon. Mrs. David Bowlby ...	5	1	0	28	...	72·70	259	232
D Loch Alsh (Nostie) ...	N. of S. Hydro-Electric Bd. ...	5	1	0	25	...	69·64	258	221
D Stromeferry (Dailfearn) ...	Forestry Commission ...	5	0	8	100	...	63·04	255	214
D Applecross Gardens ...	Mr. J. McCowan, for M.O. ...	5	1	6	70	57·3	65·76	265	219
D ACHNASHELLACH ...	Forestry Commission ...	5	1	0	225	79·9	79·13	275	224
M \$Coulin Pass ...	Forestry Commission ...	5	1	0	950	...	85·60	...	...
10.—INSULAR. OUTER HEBRIDES. 691 sq. mi.									
Stornoway Lighthouse ...	Com'rs. of N. Lighthouses ...	5	6	0	28	...	42·65	...	...
D STORNOWAY Airport ...	(+A) Meteorological Office ...	5	1	0	10	47·3	42·20	254	214

DIVISION XIX—NORTHERN COUNTIES

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

1.—DORNOCH FIRTH. 413 sq. mi.									
D Dornoch (Ospisdale) ...	F. N. Sudlow, Esq. ...	8	1	2	50	...	33·86	229	163
D Strath Oyke (Rosehall) ...	Mr. A. Munro ...	5	1	0	200	36·8	37·15	244	184
D Glenrossal ...	Lt.-Col. P. C. H. Grant ...	5	1	0	130	...	44·41	241	191
d Glen Cassley (Duchally) ...	N. of S. Hydro-Electric Bd. ...	5	0	11	437	...	72·00	...	194
D Loch Shin (Corrykinloch) ...	N. of S. Hydro-Electric Bd. ...	5	1	0	356	...	77·73	280	239
2.—FLEET, BRORA & C. 309 sq. mi.									
3.—HELMSDALE & C. 226 sq. mi.									
d Kinbrace (Borrobol Lodge) ...	Sir Roderick Wigan, Bart. ...	5	1	6	340	33·5	35·49	177	157
4.—NORTH COAST STREAMS. 736 sq. mi.									
D Skerray (Borgie) ...	Forestry Commission ...	5	1	0	110	37·5	43·89	266	207
D Tongue ...	D. Murray Esq. ...	5	1	0	40	...	41·56	252	196
D STRATHY (Bowside) ...	Dept. of Agriculture ...	5	1	0	125	...	38·82	253	194
d Melvich Hotel ...	Miss M. Mackintosh ...	5	1	0	200	36·0	37·97	...	...
D Durness ...	W. M. Hames, Esq. ...	5	1	0	105	...	49·57	278	214
D CAPE WRATH ...	Principal Keeper, for M.O. ...	5	1	0	363	...	43·59	239	189
5.—LOCH LAXFORD & C. 256 sq. mi.									
D Drumbeg ...	K. Matheson, Esq. ...	5	1	0	200	...	45·18	245	203
M Loch Glendhu (Kylesku) ...	Mr. J. Clark ...	5	1	0	50	...	(52·70)	...	...
Loch More (Achfary) ...	Matthew Elliot, Esq. ...	5	1	0	137	75·8	(80·66)	...	...
6.—ENARD BAY. 138 sq. mi.									
D Elphin ...	Capt. H. MacLeod ...	5	1	2	750	61·4	55·22	271	231
D Lochinver (Bank House) ...	G. W. Gordon, Esq., J.P. ...	5	1	0	22	44·6	44·78	238	196
D Stoer ...	L. Ricketts, Esq. ...	5	1	0	70	...	45·49	240	204
7.—INSULAR. 2 sq. mi.									

* Per Capt. W. N. McClean. § Turf wall round gauge.

DIVISION XIX—NORTHERN COUNTIES—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground	above Sea Level			·01 in. or more	·04 in. or more
CAITHNESS. (Area, 696 sq. mi.)									
		<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
1.—BERRIEDALE, DUNBEATH & C. 169 sq. mi.									
Clythness	Com'rs. of N. Lighthouses	5	1	5	133	29·6	33·48	...	183
2.—WICK & C. 184 sq. mi.									
D Wick Airport	(+A) Meteorological Office	5	1	0	119	29·9	31·06	223	156
M Lyth (Milton House)	D. Mackay, Esq.	5	1	0	100	...	31·67	...	...
3.—THURSO & C. 238 sq. mi.									
Thurso (Holburn Head)	Com'rs. of N. Lighthouses	5	0	8	68	...	32·91	218	178
4.—FORSS & C. 104 sq. mi.									
5.—INSULAR. 1 sq. mi.									
ORKNEY ISLANDS. (Area, 389 sq. mi.)									
Pentland Skerries Lighthouse	Com'rs. of N. Lighthouses	5	3	0	70	...	30·21	186	162
Hoy (Cantick Head)	Com'rs. of N. Lighthouses	5	3	10	68	32·9	36·98	211	188
Hoy (Graemsay Sound, High)	Com'rs. of N. Lighthouses	5	1	4	29	35·8	41·53	257	187
Hoy (Graemsay Sound, Low)	Com'rs. of N. Lighthouses	8	4	4	40	35·9	47·83	260	231
D GRIMSETTER Airport	(+A) Meteorological Office	5	1	0	84	...	39·37	239	188
Stenness	P. K. I. Leith, Esq.	5	1	0	75	...	38·86	256	188
Hellyar Holm	Com'rs. of N. Lighthouses	5	1	3	35	32·9	33·43	253	178
M Shapinsay (Balfour Castle)	Mr. J. W. Liddell	5	0	5	50	32·0	39·55	...	...
Sanday (Start Point)	Com'rs. of N. Lighthouses	5	1	0	27	31·1	41·67	226	191
North Ronaldshay	Com'rs. of N. Lighthouses	5	0	9	22	32·8	36·33	234	173
SHETLAND ISLANDS. (Area, 558 sq. mi.)									
D LERWICK OBSERVATORY	(+A) Meteorological Office	8	1	0	269	38·1	46·70	241	185

Northern Ireland

FERMANAGH. (Area, 713 sq. mi.)

1.—ERNE. 667 sq. mi.									
D Newtownbutler (Crom Castle)	The Earl of Erne	5	1	0	200	38·7	38·54	265	171
d Florencecourt	The Earl of Enniskillen	5	1	0	269	48·5	45·95	...	165
D Enniskillen (Bellevue)	Lady Margaret Lowry-Corry	5	1	0	240	41·0	36·57	260	167
D Colebrooke	Sir Basil Brooke, Bart.	5	1	0	250	...	39·68	221	169
d Ballinmallard (Rossfad)	Lt.-Col. H. S. C. Richardson	5	0	11	200	...	42·94	...	...
D Belleek (Roscor)	J. H. Dick, Esq.	5	1	0	500	...	49·94	250	209
D Belleek	Mrs. Beacom	5	1	2	150	45·5	48·83	254	210
D Irvinestown (R.U.C.)	Sgt. Jebb*	5	1	0	303	...	40·29	232	192
D CASTLE ARCHDALE Airfield	(+A) Meteorological Office	5	1	0	240	...	39·29	218	171

* Per Govt. of Northern Ireland.

NORTHERN IRELAND—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with .01 in. or more	Days with .04 in. or more
		in.	ft.	in.	ft.	in.	in.		
FERMANAGH—(contd.).									
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.	5	1	0	260	37.2	42.77	232	174
3.—BANN. Lough Neagh, East. 37 sq. mi.									
4.—BANN. UPPER. 144 sq. mi.									
d Markethill (Whitecross) ...	R. U. C. Barracks* ...	5	1	0	400	...	46.80	...	...
5.—BANN. Lough Neagh, West. 192 sq. mi.									
D Keady (Derrynoose Rectory) ...	Rev. T. F. Campbell ...	5	1	0	380	...	36.30	251	167
D Tynan Abbey ...	Sir Norman Stronge, Bart. ...	5	1	0	167	...	35.34	219	169
D ARMAGH Observatory ...	(+A) Director of Obsy., for M.O. ...	8	1	0	205	31.7	34.12	214	167
D Richhill (Sandymount) ...	Mrs. C. B. Lamb ...	5	1	6	200	29.3	35.81	208	162
DOWN. (Area, 961 sq. mi.)									
1.—CARLINGFORD LOUGH. 104 sq. mi.									
d Newry (Bridge Street House) ...	C. Blaney, Esq., ...	5	1	0	23	38.1	42.24	...	157
2.—DUNDRUM BAY & C. 173 sq. mi.									
D Silent Valley (Belfast W.W.) ...	R.H. McCullough, Esq., B.Sc. ...	5	1	0	457	...	54.60	236	174
D Annalong (Belfast W.W.) ...	R.H. McCullough, Esq., B.Sc. ...	5	1	0	435	47.5	47.79	202	171
M Mourne Mount'ns (Slieve Lamagan) ...	R.H. McCullough, Esq., B.Sc. ...	5	1	0	1320	...	76.25	...	...
M Mourne Mount'ns (Lough Shannagh) ...	R.H. McCullough, Esq., B.Sc. ...	5	1	0	1280	65.6	78.20	...	...
D Seaforde ...	Lt.-Col. D. C. Forde ...	8	1	0	180	38.3	40.49	204	166
3.—STRANGFORD LOUGH. 260 sq. mi.									
D Downpatrick (The Mall) ...	E. A. Smith, Esq.* ...	5	1	3	...	...	37.72	205	154
d Grey Abbey (Holland Dene) ...	J. T. Barnes, Esq.* ...	5	1	0	6	...	34.40	...	124
4.—COAST STREAMS. 47 sq. mi.									
D Ballywalter Park ...	Lord Dunleath ...	5	1	0	50	...	33.71	221	136
D Donaghadee (Belvedere) ...	D. Mitchell, Esq. ...	5	1	0	50	...	33.04	226	132
D Donaghadee (Craigmore) ...	Miss E. E. Coates ...	5	1	0	60	30.6	33.62	218	136
D Donaghadee (Orlock Reservoir) ...	Resident Engineer ...	5	1	0	43	...	32.95	181	134
5.—BELFAST LOUGH. 206 sq. mi.									
D Dromara ...	Govt. of Northern Ireland ...	5	1	0	400	...	45.36	223	188
M Annaghanoon ...	W. J. Gibson, Esq. ...	5	1	0	200	...	32.36	...	...
D Waringstown (The Forge) ...	W. J. Gibson, Esq. ...	5	1	0	184	32.2	33.47	225	158
D HILLSBOROUGH (Ag. Research Inst.) ...	Secretary ...	5	1	0	388	...	37.08	215	152
D Belfast (Kingsway Gardens) ...	S. Dunlop, Esq. ...	5	1	0	128	...	37.94	204	144
D Conlig Reservoir ...	Bangor Borough Surveyor ...	5	2	6	213	...	38.25	222	151
D Ballysallagh Reservoir ...	Bangor Borough Surveyor ...	5	2	1	245	...	40.85	211	170
D HOLLYWOOD (CULTRA) ...	T. D. Boyd, Esq. ...	5	1	0	77	...	36.78	209	139
d Bangor (Garth House School) ...	Miss E. N. Swanson ...	5	...	...	120	...	36.14	...	...

* Per Govt. of Northern Ireland.

NORTHERN IRELAND—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim above	Ground above	Sea Level			·01 in. or more	·04 in. or more
		in.	ft.	in.	ft.	in.	in.		
DOWN—(contd.).									
6.—BANN. Lough Neagh East. 7 sq. mi.									
7.—BANN. UPPER. 162 sq. mi.									
d Banbridge	... Town Surveyor	5	1	1	252	...	33·79	...	...
8.—INSULAR. 2 sq. mi.									
ANTRIM. (Area, 1,193 sq. mi.)									
1.—BELFAST LOUGH. 107 sq. mi.									
d LISBURN School...	... Headmaster	8	1	0	201	34·1	33·26	210	150
d Lambeg (Glenmore House)	... Linen Industry Res. Assn.	8	0	11	100	...	32·59	229	168
d Dunmurry (Lagmore)	... R.H. McCullough, Esq., B.Sc.	5	1	0	385	...	43·13	222	181
d BELFAST (QUEEN'S UNIVERSITY)	... Secretary	5	1	0	62	34·5	36·52	199	159
d Belfast (Sewage Works)	... City Surveyor	8	1	0	26	35·8	37·72	197	148
d Belfast (Oldpark Filters)	... R.H. McCullough, Esq., B.Sc.	5	1	0	203	39·0	46·01	220	188
d Carrickfergus (Dorisland)	... R.H. McCullough, Esq., B.Sc.	5	1	0	271	...	39·25	221	161
d Carrickfergus (Knockagh)	... R.H. McCullough, Esq., B.Sc.	5	1	0	723	...	42·12	230	177
d Carrickfergus (South Woodburn)	... R. H. McCulloch, Esq., B.Sc.	5	1	0	640	44·5	44·86	233	175
d Carrickfergus (Copeland)	... R.H. McCullough, Esq., B.Sc.	5	1	0	427	40·0	41·51	240	171
d Carrickfergus (Lough Mourne)	... R.H. McCullough, Esq., B.Sc.	5	1	0	596	42·5	44·86	248	177
2.—GLENARM & C. 186 sq. mi.									
d Larne (Ballycarry)	... J. Mc.Clinton, Esq.	5	1	0	250	...	40·66	204	155
d Larne (Sallagh Springs)	... J. E. Croasdaile, Esq., M.A.	5	1	0	566	50·0	48·17	199	174
3.—BUSH & C. 193 sq. mi.									
d Ballycastle (Coolgreany)	... E. R. Casement, Esq.	5	1	0	90	...	45·32	217	175
4.—BANN. LOWER. 112 sq. mi.									
d Toomebridge	... M. of Finance Lock Keeper*	5	1	0	59	...	36·09	207	169
5.—BANN. Lough Neagh, East. 590 sq. mi.									
d Stoneyford (Belfast W.W.)	... R.H. McCullough, Esq. B.Sc.	5	1	0	453	...	44·98	233	186
d Leathamstown (Belfast W.W.)	... R.H. McCullough, Esq. B.Sc.	5	1	0	534	...	44·26	230	172
d Nutts Corner (Belfast Airport)	... Meteorological Office	5	1	0	348	...	35·10	...	140
d ALDERGROVE Airfield	... (+A) Meteorological Office	5	1	0	220	33·0	31·88	220	146
d Randalstown	... Old Bleach Linen Co., Ltd.	5	1	0	100	...	36·76	231	158
d Ballymena (Harryville)	... R. Leatham, Esq.	5	1	5	150	41·5	39·35	245	170
d Broughshane (Quolie)	... H. W. Craig, Esq., C.E.	5	1	6	864	47·3	51·39	258	203
6.—INSULAR. 5 sq. mi.									
LONDONDERRY. (Area, 816 sq. mi.)									
1.—LOUGH SWILLY. 6 sq. mi.									
d Londonderry (Dunruadh)	... J. H. Welch, Esq.	5	0	6	150	40·5	37·33	248	189
2.—BUSH & C. 9 sq. mi.									

* Per Govt. of Northern Ireland.

|| Gauge over-exposed.

NORTHERN IRELAND—(contd.)

STATIONS	AUTHORITIES	Rain-gauge				Average Rain-fall	1951		
		Diam.	Height of		Ground		Rain-fall	Days with	Days with
			Rim	above	above			·01 in.	·04 in.
			above	Sea	Level			or	or
			Ground	Level				more	more
		in.	ft.	in.	ft.	in.	in.		
LONDONDERRY—(contd.).									
3.—BANN. LOWER. 240 sq. mi.									
D Upperlands (Ardara) ...	H. J. Clark, Esq. ...	5	2	0	250	...	43·76	248	187
D GARVAGH (MONEYDIG) ...	J. Porter, Esq. ...	5	1	0	121	38·8	42·96	244	174
D Coleraine (The Cutts) ...	M. of Finance Lock Keeper*	5	1	0	22	...	39·51	232	180
D Coleraine (Ingledene) ...	W. R. Johnston, Esq. ...	5	3	4	55	...	37·73	219	175
4.—BANN. Lough Neagh, West. 196 sq. mi.									
D Draperstown (Ard Muiri) ...	James Gunn, Esq.* ...	5	1	0	267	...	48·66	267	182
5.—FOYLE & C. 365 sq. mi.									
M Glenedra (Spelhoagh Mountain) ...	Londonderry C.B.C. ...	5	1	0	1333	60·0	68·04	...	...
M Glenedra Hill ...	Londonderry C.B.C. ...	5	1	0	1333	62·5	64·59	...	...
M Glenedra Lodge ...	Londonderry C.B.C. ...	5	1	0	950	57·0	57·16	...	...
M ||Glenedra (Altagarran Mountain) ...	Londonderry C.B.C. ...	5	1	0	1230	...	55·12	...	...
M Dungiven (Labbyheige) ...	Londonderry C.B.C. ...	5	1	0	1150	...	59·31	...	...
M Altnaheglis (Altabrogy Burn) ...	Londonderry C.B.C. ...	5	1	0	967	...	59·13	...	...
M Glenedra Intake ...	Londonderry C.B.C. ...	5	1	0	740	...	59·87	...	...
M Altnaheglis (Glack Burn) ...	Londonderry C.B.C. ...	5	1	0	967	...	57·53	...	...
D Dungiven (Banagher Filters) ...	Londonderry C.B.C. ...	5	1	0	373	...	47·49	269	199
D Dungiven (Brianan) ...	A. E. Bunn, Esq.* ...	5	1	0	330	...	45·95	249	179
D Londonderry (Creggan Res.) ...	City Surveyor ...	8	1	0	325	41·8	38·82	231	195
d Limavady (Drenagh) ...	Lt.-Col. C. R. McCausland ...	5	1	6	80	37·0	36·67	...	...
D CASTLEROCK (Craighead) ...	E. G. Box, Esq. ...	5	1	0	57	...	36·50	237	174
TYRONE. (Area, 1,257 sq. mi.)									
1.—ERNE. 46 sq. mi.									
2.—BANN. Lough Neagh, West. 442 sq. mi.									
D Dungannon (Aloha) ...	Major R. Stevenson ...	5	1	0	275	37·2	41·61	228	179
D Castlecaulfield (Parkanaur) ...	Major Y. A. Burges ...	8	0	6	250	...	40·12	232	179
d Cookstown (Loughery Agric. College) ...	J. A. Young, Esq.* ...	5	1	0	208	...	39·81	227	175
3.—FOYLE. 769 sq. mi.									
D Omagh (Edenfel) ...	Mrs. F. M. Hammond Smith ...	8	1	0	280	40·1	39·94	250	181
D Gortin (Beltrim School) ...	H. C. Willis, Esq.* ...	5	1	0	393	...	47·66	213	184
D Sion Mills (Sion House) ...	Capt. J. C. Herdman ...	5	1	0	100	39·1	40·69	233	193

* Per Govt. of Northern Ireland.

|| Gauge over-exposed on moor.

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