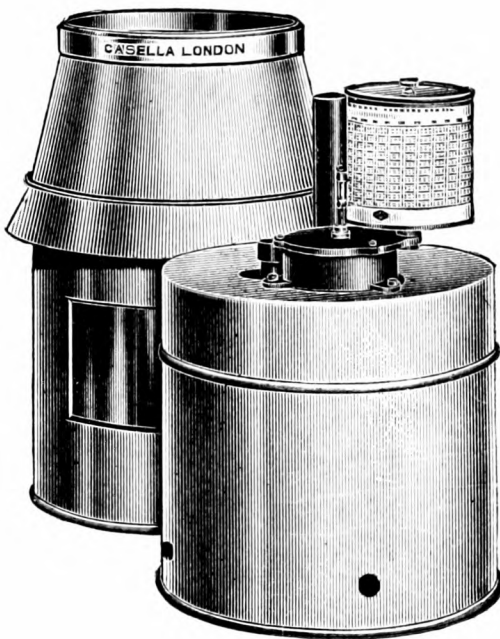


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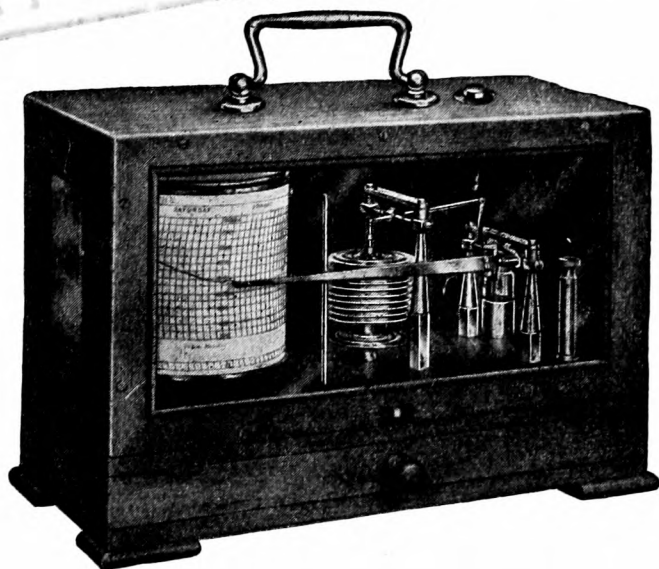
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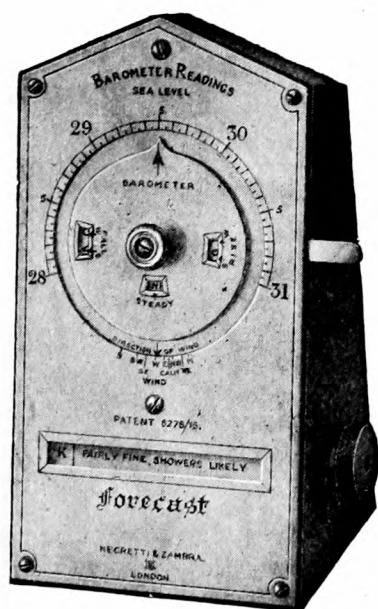
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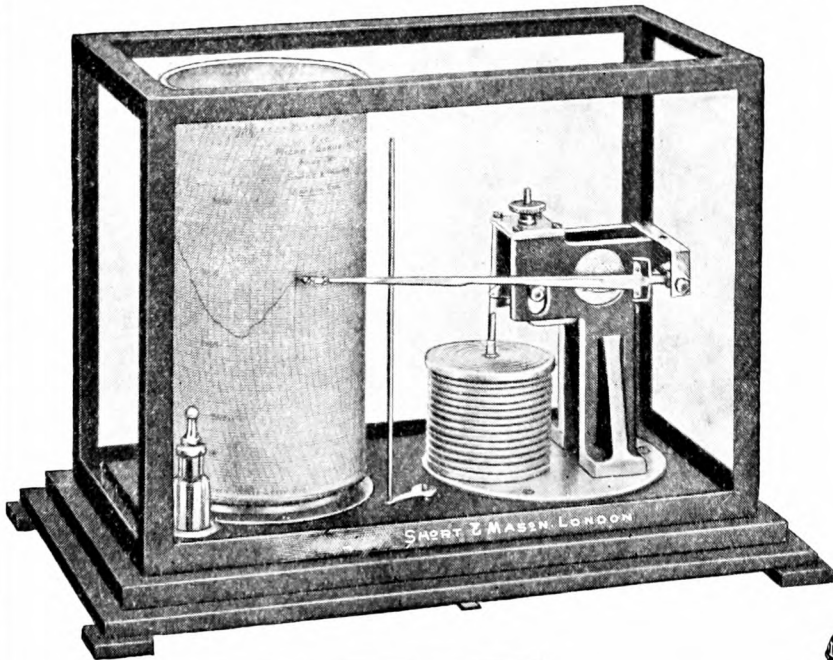
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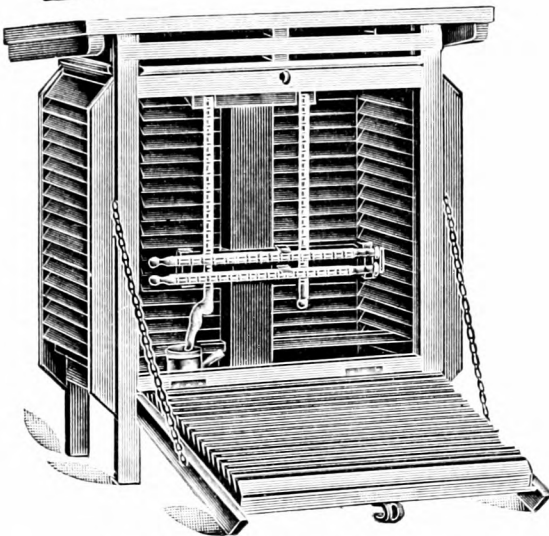
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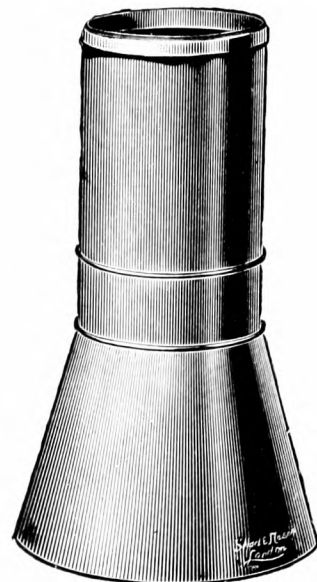
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BRITISH RAINFALL

1939

THE SEVENTY-NINTH ANNUAL VOLUME OF
THE BRITISH RAINFALL ORGANIZATION

Report on the
DISTRIBUTION OF RAIN

IN SPACE AND TIME OVER THE
BRITISH ISLES DURING THE YEAR
1939 AS RECORDED BY ABOUT 5,700
OBSERVERS IN GREAT BRITAIN AND
IRELAND

WITH MAPS AND ILLUSTRATIONS

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BRITISH RAINFALL, 1939

PART I

THE WORK
OF THE
BRITISH RAINFALL
ORGANIZATION

BRITISH RAINFALL, 1939.

PART I.

THE WORK OF THE BRITISH RAINFALL ORGANIZATION.

RAINFALL IN EIRE.—With the establishment of a Meteorological Service in Eire in April, 1937, the rainfall stations in that country came under the control of the Director of the Meteorological Service, Mr. A. H. Nagle. Rainfall records for Eire are therefore included in this volume by arrangement with Mr. Nagle.

LOCAL ORGANIZATIONS.—For assistance in the collection of the rainfall returns for the year, and for stimulating local interest in weather records, we are indebted to officials of various local organizations, among whom may be mentioned :—Mr. F. Kenneth Sinclair, of the Hertfordshire Natural History Society and Field Club ; Mr. R. H. Primavesi, of the Northamptonshire Natural History Society ; Col. H. C. Copeman, of the Norfolk Rainfall Organization ; the late Mr. A. P. Jenkin, of the Cornwall Rainfall Association ; Mr. R. Burrow in Jersey ; Miss Cordelia Marshall, of Ambleside ; Librarian, North Devon Athenæum ; Mr. W. Dunbar, Burgh Surveyor of Kilmarnock ; Mr. E. W. M. Murphy, of the Irish Rainfall Association and Mr. E. L. Kelting, Secretary of the Mid-Wessex Rainfall Association.

Acknowledgement is also due to the Editors of the *Hereford Times* and the *Western Morning News*, to Mr. S. L. Rogers, J.P. of Williton, Somerset and to Capt. W. N. McClean for assistance in the collection of records or the establishment of additional stations. Mr. N. J. G. Pounds has taken over the work of the late Mr. A. Pearse Jenkin in connection with the Cornwall Rainfall Association. Details of the activities of the various local collectors were given in *British Rainfall*, 1938, pp.xii and xv.

THE STAFF OF OBSERVERS.—The detailed account of the rainfall of the year 1939 over the British Isles, which is presented in this volume, follows the lines of previous issues. The basis of the discussion is a collection of about 5,700 returns of rainfall measure-

ments for the year received from all parts of the country. The measurements are generally made every day, but in inaccessible districts they may be made only once a week or even once a month. The Meteorological Office relies almost entirely on the returns contributed either by private persons, who measure the rainfall primarily as a matter of private interest, or by public local authorities, and especially the authorities of water undertakings, who find that a knowledge of the rainfall in their locality is indispensable to them in their work. These observers forward copies of their observations voluntarily for preservation by the British Rainfall Organization of the Meteorological Office as national records, and for use not only in the preparation of the annual volumes of *British Rainfall* but also for the purposes of study and research. In this way records which are primarily of local interest acquire a national value which was not always realized by those who initiated them. To the numerous voluntary observers who forward their observations the Organization desires to acknowledge its indebtedness: it would be quite impossible to compile such an account as this without their assistance and goodwill.

*British Rainfall, 1939 compared with 1938.
Number of Records Published.*

			Gain.		Loss.		Difference.		Per cent. change in year.
England	..	..	249	..	263	..	- 14	..	-0.3
Wales, etc.	..	..	34	..	17	..	+ 17	..	+0.3
Scotland	..	..	37	..	43	..	- 6	..	-0.7
Ireland	..	..	18	..	14	..	+ 4	..	+1.5
<hr/>									
British Isles	..	..	338	..	337	..	+ 1	..	0.0
<hr/>									

*Number of Rainfall Records Published in the Volumes of
" British Rainfall " for the undermentioned Years.*

Years.	England.	Wales, etc.	Scotland.	Ireland.	British Isles.	Change from previous year.	No. of Stations per 100 sq. mi.
1861	.. 333	.. 9	.. 109	.. 20	.. 471	.. + 47	.. 0.4
1871	.. 1038	.. 88	.. 311	.. 67	.. 1504	.. + 5	.. 1.2
1881	.. 1548	.. 131	.. 313	.. 153	.. 2145	.. + 41	.. 1.8
1891	.. 2091	.. 168	.. 359	.. 181	.. 2799	.. + 23	.. 2.3
1901	.. 2616	.. 253	.. 442	.. 195	.. 3506	.. + 13	.. 2.9
1911	.. 3705	.. 397	.. 701	.. 271	.. 5074	.. + 198	.. 4.2
1921	.. 3577	.. 446	.. 784	.. 271	.. 5078	.. + 126	.. 4.2
1931	.. 3763	.. 454	.. 850	.. 262	.. 5329	.. + 13	.. 4.4
1938	.. 4031	.. 500	.. 899	.. 253	.. 5683	.. + 112	.. 4.7
1939	.. 4017	.. 517	.. 893	.. 257	.. 5684	.. + 1	.. 4.7
<hr/>							
Difference from 1938	-14	.. +17	.. -6	.. +4	.. +1	.. ..	.. 0.0

The total number of records printed in Part III of this volume is 5,684 an increase of one record over last year. As many as 338 additional records are included in the volume, while 337 records printed in *British Rainfall*, 1938, are no longer available. Details as to the numbers of records printed in earlier volumes are given in a separate table. Amongst the records included for the first time in *British Rainfall* the following may be mentioned :—Three records from stations on the Western flank of Plynlimon supplied by the Aberystwyth Waterworks, at altitudes of 1,660, 1,650 and 1,060 feet, and in the case of the two higher stations extending back to June, 1937 ; ten records well distributed over the area of the River Wye Catchment Board ; and seven records from the River Stour (Essex and Suffolk) Catchment Board. In addition a number of records were commenced during the year, *e.g.*, three in the Mourne Mountains and two to the west of Belfast set up by the Engineer to the Belfast Waterworks and four by the South Staffordshire Waterworks. Six new rain-gauges were set up by the Paisley Corporation near Dalry, though not all are complete for the year. Other records from districts previously unrepresented are those from the Islands of Canna and Vatersay (Outer Hebrides) and from Achiltibuie in the extreme north-west of Ross-shire.

Rainfall records for 1939 and for earlier years have been received in a number of cases, including records from Corriston Reservoir and Coul Reservoir, in Fifeshire, dating back to 1886 and 1901, respectively, sent by the Water Superintendent, Weymiss and District Water Trust ; from Northop (Soughton Hall) in Flintshire by Sir John Bankes, G.C.B., for the years 1865-76 ; and for twenty-three records in the Farndale area since 1934 maintained by the referee to the Water Bill, Kingston-upon-Hull.

INVESTIGATIONS.—A number of long rainfall records were supplied for an investigation by Dr. P. R. Crowe, the results of which were published by the Royal Meteorological Society in a paper entitled : "A new approach to the study of the seasonal incidence of British Rainfall."

Some progress has been made in the preparation of maps showing the distribution of average rainfall over the British Isles for the period 1901-1930. This is the period recommended by the International Climatological Commission for use in computing climatological normals. The existing maps for the period 1881 to 1915 have been adjusted by reference to the percentage maps published in the article on the *Rainfall over the British Isles, 1901 to 1930*, in *British Rainfall*, 1937, pp.264-279.

Dr. J. Glasspoole continued as Assessor on behalf of the Meteorological Office on the Inland Water Survey Committee of the Ministry of Health and Scottish Office.

INSPECTIONS.—Some progress was made during the year with the inspection of the stations included in the General Table. It was possible to inspect about 40 stations, exclusive of a few Climatological stations and other stations reporting general meteorological observations. The inspections were mainly confined to additional stations set up by the River Wye Catchment Board. Some 10 stations were inspected by the staff in Edinburgh as well.

SURVEY MAPS.—The work on the detailed average annual rainfall map of the British Isles on the scale of two miles to the inch, for the period 1881-1915, has been continued. The averages so computed are included in Part III of *British Rainfall*. The isohyetal lines have been extended to cover Bedfordshire and parts of Sussex, Northamptonshire and Oxfordshire.

INQUIRIES.—A large number of inquiries regarding the rainfall of various parts of the country was dealt with. Amongst the reports supplied reference may be made to that in connection with the Birmingham Corporation Water Bill, 1940. Values of average rainfall were supplied to Messrs. Meik and Halcrow, in connection with the Lochaber Water Power Scheme, and to the Llanelly R.D.C. in connection with the Llyn-y-fan Fach area. Information and data were supplied to the County Medical Officers of Argyll and Wigtown; to the Forestry Commission (Scotland); to the Special Areas Housing Scheme; to the Department of Zoology, Oxford, for a research on voles and to the Natural History Department of Aberdeen University in connection with a physico-chemical and faunistic survey of the Rivers Dee and Don.

Information has been prepared for inclusion in *The Surface Water Year-Book of Great Britain*, 1937-38, at the request of the Inland Water Survey Committee of the Ministry of Health and Scottish Office, but this work was suspended at the outbreak of war. A report on the rainfall over the Northampton to Oxford region has been supplied for inclusion in a memoir of the Geological Survey.

Information has been supplied monthly to the Bristol W.W., the Humber Conservancy Board, the British Sugar Corporation, Ltd., and the Lee Conservancy. Reports were supplied monthly to the Metropolitan Water Board and to the Thames Conservancy.

Data have been supplied monthly to the Catchment Boards of the Rivers Mersey and Irwell, River Avon (Bristol), River Severn, Cheshire Rivers and River Nene. Advice has been given on the distribution of stations in the case of certain Catchment Boards.

OBITUARY.—During the twelve months 1st July, 1939, to 30th June, 1940, reports have been received of the deaths of 78 observers who have contributed to volumes of *British Rainfall*. Of

these, 25 have kept rainfall records, or been associated with relatives who have kept records for 30 years or more. A list of these is given below. In most cases the records have been maintained throughout by the same observer.

Name	Last place of observation.	No. of Years' records.
J. Baxendell, Esq.	Southport, Lancs.	66
A. Pearse Jenkin, Esq.	Redruth (Trewirgie), Cornwall	60
Mr. C. Webster	Fochabers (Gordon Castle), Moray	59
T. J. Waddington, Esq.	Hafod, Cardigan	47
Miss M. R. Macmillan	Moniawe, Dumfries	45
C. E. M. Pinney, Esq.	Kinson (Elmbrook), Hants.	45
Dr. A. Thomas	Aberystwyth, Cardigan	44
W. M. Christy, Esq.	Watergate House, Sussex	42
W. Vaux Graham, Esq., C.E.	Westminster, S.W.1	41
Col. G. Chrystie	Farnham (Short Heath Lo.), Surrey	40
J. W. Melles, Esq., D.L., J.P.	Gruline, Isle of Mull	40
A. W. Shadick, Esq.	Clacton-on-Sea	39
E. Knight, Esq.	Keswick Old Hall, Norfolk	39
Hon. L. de Yarrowburgh Bateson	York (Heslington)	38
T. E. Clough, Esq.	Earlestown, Lancs.	37
Walter Phillips, Esq.	Earnieside, Kinross	36
Dr. C. C. Vigurs	Newquay, Cornwall	36
Professor Sir Thomas Hudson Beare, D.L.	Edinburgh University	35
A. Macintosh, Esq., J.P.	Melvich, Sutherland	35
J. Marsh, Esq.	Winterbourne (Kendleshire), Glos.	34
G. Cresswell, Esq.	(Ocle Court), Hereford	33
John Hart, Esq.	Mains of Cowie, Kincardine	32
E. Armitage, Esq., J.P.	Stroud (Berrimans), Glos.	31
Gen. Sir Robert Gordon Gilmour, Bart.	Liberton, Edinburgh	31
G. O. Nicholson, Esq.	Market Harborough, Leics.	31

Mr. Joseph Baxendell, who died on January 14th, 1940 was Borough Meteorologist to the Corporation of Southport for nearly 50 years. He succeeded his father, who was the first superintendent of the Fernley Observatory, in 1887. Despite physical infirmity, Mr. Baxendell made many important contributions to the study of meteorology; an account of his work is given in the *Meteorological Magazine* for February, 1937. Before his retirement in 1936, Mr. Baxendell was able to secure the establishment of a new and more satisfactory observing site in Bedford Park Road, Birkdale.

Mr. A. Pearse Jenkin, J.P., died on January 14th, 1940, at the age of 76. He maintained a climatological station at Trewirgie, Redruth. The rainfall record for Trewirgie has been continued since 1880. Since 1928 an additional record was forwarded from the Lizard for inclusion in *British Rainfall*. Mr. Jenkin also acted as

Secretary of the Cornwall Rainfall Association, which stimulated local interest in the recording of rainfall and resulted in the collection of a number of valuable records.

Mr. Charles Webster, who died on May 9th, 1940, was formerly head gardener to the Duke of Richmond and Gordon, and maintained full climatological observations from 1891 until his retirement in 1937. His meteorological observations covered the long period of 58 years, as he assisted his father, who had charge of the station from 1879.

Miss M. R. Macmillan, who died in November 1939, had for more than 45 years regularly forwarded copies of the rainfall observations made at Glencrosh, Dumfriesshire.

Mr. W. M. Christy died on August 20th, 1939. Mr. Christy was keenly interested in meteorology and contributed records of rainfall and sunshine to this office from 1898.

Colonel G. Chrystie, who died on June 14th, 1939, in his 98th year had for 40 years maintained a rainfall record at Short Heath Lodge, Farnham, Surrey.

Dr. C. C. Vigurs died on January 24th, 1940. He was for many years Medical Officer of Health at Newquay and was responsible for the Meteorological Station from 1903. He took a keen interest in meteorology and local climatology and published annual reports on the weather of Newquay.

The death occurred on June 10th, 1940, of Professor Sir Thomas Hudson Beare, LL.D., M.Inst.C.E., F.R.S.E., D.L., who had for 35 years supervised the climatological station maintained by the University. He was at one time Vice-President of the Scottish Meteorological Society and a member of the Advisory Committee for the Meteorological Office, Edinburgh.

Mr. A. W. Shadick died on October 25th, 1939, having been responsible for the meteorological station maintained by the Clacton U.D.C. from 1901 until his death,

BRITISH RAINFALL, 1939

PART II

RAINFALL AND METEOROLOGY
1939

1. SUMMARY OF THE RAINFALL OF THE YEAR, 1939.

A comparison of the rainfall of the five years 1935 to 1939 is set out below :—

Annual Rainfall as per cent. of average, 1881–1915.

	1935	1936	1937	1938	1939
	%	%	%	%	%
England and Wales	113	109	110	99	113
Scotland	108	94	91	123	95
Ireland	98	105	103	117	101
British Isles ...	109	105	104	109	106

The comparison shows that over the British Isles as a whole 1939 was the fifth consecutive year with a rainfall appreciably in excess of the average. In fact, the remarkable run of wet years, which commenced in 1923, and lapsed only in 1933 and 1934, was continued. Over England and Wales 1939 and 1935 were the wettest years since 1930, but in Scotland the distribution was similar to that of 1936 and 1937, when there was a decrease in the frequency of south-west winds in the northern half of Scotland.

The main features of the map showing the distribution of the rainfall as a percentage of the average were the large area in the east of Suffolk, Essex and Kent with more than 140 per cent. and the area in the north and west of Scotland with less than 80 per cent. The range was from 160 per cent. at Bradwell-on-Sea, Essex, to 73, 72 and 72 per cent. at Ullapool, Sutherlandshire, Mull of Kintyre and Mull (Ben More) respectively. Since the average rainfall in the north-west of Scotland is greater than that in the south-east of England it can be concluded, from the distribution of percentage rainfall which prevailed, that the rainfall of 1939 in inches was more uniform than usual. This is found to be the case, the range in inches being only from about 22 inches, in the neighbourhood of Berwick-on-Tweed, the coast of East Lothian and part of Cambridgeshire, to 160 inches on Snowdon.

The year 1939 was similar to the three previous years in giving a very wet January, a wet July and a dry August, but otherwise the monthly distribution was unlike that of the preceding years. February to April, 1938 gave less rain over England and Wales than any other

group of three consecutive months since before 1870, while, on the other hand, the five months January to May, 1937 gave more rain over the British Isles than any similar period. In spite of the wet January and July, the rainfall of January to October, 1939 was only slightly in excess of the average for that period. It is interesting to note that over the British Isles as a whole the rainfall of January has exceeded the average in 18 of the last 22 years; July has given more than the average in each of the last four years; each August of the last eight years, except one, has been relatively dry and 11 of the last 15 Decembers have given less than the average.

Absolute droughts and dry spells were unusually frequent during 1939, but the number of partial droughts was well below the corresponding value for 1938. The bulk of the droughts and dry spells occurred during the periods May 16th to June 14th and September 5th to October 4th, while some occurred from December 10th to 31st. Rain spells and wet spells were less frequent in 1939 than usual. Almost half of the rain spells were confined to the period October 21st to December 13th, while very few stations reported any between April 3rd and October 20th. Few wet spells were recorded at stations in England or Wales.

As much as 30 inches occurred for November at the head of Borrowdale, Cumberland, while falls of less than $\cdot 40$ inch were recorded at a few stations in February, May and September. At Lexden (Essex) the total for September was only $\cdot 17$ inch.

Among the largest daily falls of rain during the year the following may be mentioned:—

Blaenau Festiniog (Slate Q.), Merioneth	5·08 in.	November 25th.
Kinlochquioch, Inverness-shire	5·05 in.	February 10th.
Llyn Fawr Reservoir, Glamorgan	4·90 in.	July 6th.
Blandford (Bryanston Sch.), Dorset	4·66 in.	August 20th.

As much as 7·90 inches was measured at Kinlochquioch for February 9th and 10th. At Bryanston School the 4·66 inches fell in just over 6 hours during a series of thunderstorms.

2. THE DISTRIBUTION OF RAINFALL IN TIME.

THE NUMBER OF RAIN-DAYS AND WET-DAYS IN 1939.

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

A *rain-day* is a period of 24 hours, commencing normally at 9 a.m., on which $\cdot 01$ inch, or 0·2 mm. or more of rain is recorded.

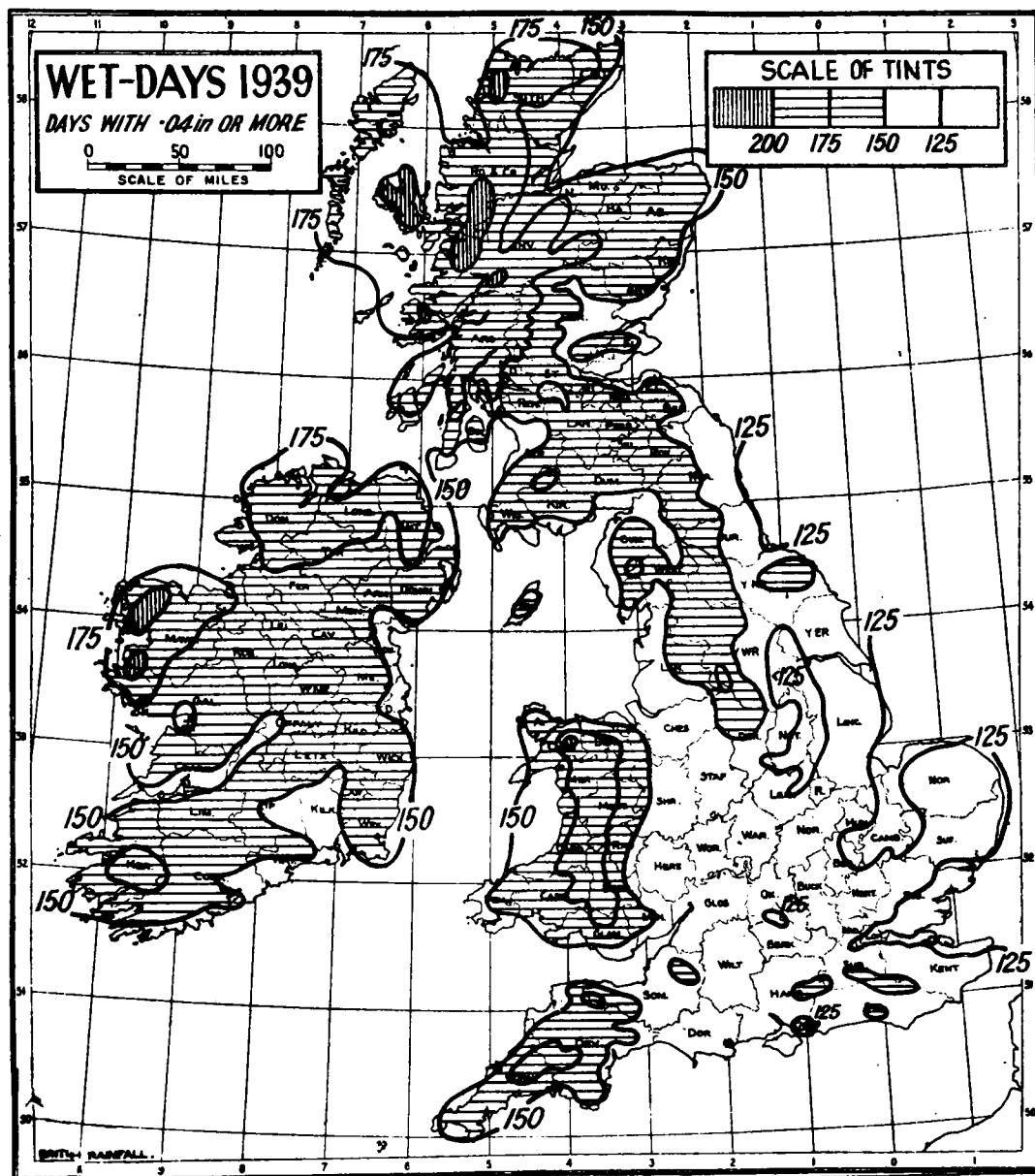
A *wet-day* is a period of 24 hours, commencing normally at 9 a.m., on which $\cdot 04$ inch, or 1·0 mm. or more of rain is recorded.

The former definition dates from the year 1865, the latter was adopted only about 1917. Each of the terms "rain-day" and "wet-day" is open to criticism, the latter particularly so, since it has a different meaning in ordinary use. It must, therefore, be understood that whenever these terms are used in this publication the meanings set out above are always to be attached to them.

For reasons which are set out in detail in the article entitled "The distribution over the British Isles in time and space of the annual number of days with rain," in *British Rainfall*, 1926, there is frequently a lack of harmony in the annual values at adjacent stations. Statistics of wet-days are found to be much more consistent than those of rain-days. It was this reason, coupled with the fact that similar data are published for certain other countries of Europe, which led to the introduction of statistics of wet-days. The satisfactory mapping of the annual values of rain-days has always presented considerable difficulties, whereas the values of wet-days have proved sufficiently consistent to enable the distribution to be defined. Maps showing the distribution of wet-days have been included in *British Rainfall* since 1919. The experience gained in drawing these maps of wet-days annually has been utilised in interpreting the average values of rain-days as recorded at certain stations during the period 1881 to 1915. Maps showing the distribution of annual and monthly average number of rain-days over the country 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 during the year is set out in this volume in various forms. As usual, the General Table of rainfall in Part III of this volume shows the number of rain-days and wet-days in 1939 as reported from each station at which daily observations were made. The number of wet-days have been plotted on a large map of which the illustration on p. 5 is a reduced copy. The distribution of the numbers is shown on the map in the usual manner.

In order to study the distribution of rain-days and wet-days throughout the year, 100 stations have been selected to represent as uniformly as possible the conditions over the whole of the British Isles. The numbers of rain-days and wet-days recorded at these



Number of "Wet-Days" in 1989.

stations are given in Table V, and the same stations are used in the preparation of Table VIII, Droughts and Dry Spells, and Table XI, Rain Spells and Wet Spells. The monthly totals for these 100 selected stations are included in Tables XX and XXI. The stations are the same as those used last year except that additional stations at

Hunstanton, Wakefield and St. Ann's Head are used instead of those at Terrington St. Clement, Meltham (Harewood Lodge) and Carmarthen (Longueville). Monthly general numbers (for England and Wales, Scotland, Ireland and for the British Isles) have been evaluated and they are shown in Table V in heavy type. The annual mean values for 1939 are shown again in Tables I and III and the monthly mean values for 1939 in Tables II and IV, where in each case they can be readily compared with similar values for the intervening years from 1917, and with the averages. In the case of rain-days averages are available for the standard period 1881 to 1915, but for wet-days the averages cover only the period 1917 to 1939.

The distribution of the annual number of wet-days during 1939, as shown on the map on the previous page, is very similar to that for earlier years. As in all the other maps there is a steady increase in the number of wet-days from the south-east to the north-west of the British Isles and from the plains of the east coast to the mountainous regions of the west. In 1939 the number varied from about 120 in the neighbourhood of the Thames Estuary and the Wash to 200 in the mountainous regions in the north-west of Scotland and in Connemara.

The total number of rain-days varied from about 160 in the neighbourhood of the Thames Estuary and the Wash, to about 240 in parts of the north-west of Scotland and north-west of Ireland. The distribution over the British Isles of the number of rain-days and of wet-days was more uniform than usual. In both cases the numbers in the south-east were greater and in the north-west smaller than is usually the case.

The general values given in Table III indicate that the frequency of wet-days was less than the average for the period 1917 to 1939 over Scotland and Ireland by 13 and 15 rain-days respectively. The number for 1939 for England and Wales was identical with the average, while over the British Isles as a whole the number was seven fewer.

It should be emphasized that in the case of wet-days comparable statistics are only available back to 1917, and the averages used for comparison are for the period 1917 to 1939, which includes mainly wet years. The averages are therefore greater than they would have been if statistics covering the standard period 1881 to 1915 were available. This fact is brought out by Table I, which shows that the mean annual number of rain-days during the twenty-three years, 1917 to 1939, was 209 or 5 more than the average for the standard period 1881 to 1915.

The number of wet-days over the British Isles in each month is given in Table IV. The numbers vary from 7 in May and September to 20 in November. Since comparable statistics became available in 1917 there has been only one May and one September with fewer

than 7 wet-days, *viz.*, May, 1935, and September, 1933, each with 6. The number in November, 1939, has been equalled or exceeded only once, *viz.*, in November, 1929, also with 20 wet-days. January to March, 1939, gave 46 wet-days or five more than the average. The remaining nine months of the year gave 107 or twelve fewer than the average. July was the only summer month with more than the average number of wet-days.

In dealing with the general numbers of rain-days given in Tables I and II, it is possible to compare the values for 1939 with computed averages for the 35 years, 1881 to 1915. It is shown in Table I that over the British Isles as a whole there were 201 rain-days or three less than the average number. The number of rain-days was one more than the average over England and Wales, four less over Scotland and eight less over Ireland.

The number of rain-days over the British Isles in each month is given in Table II. The range is from 10 in May and September (five less than the average in each case) to 24 in November (five more than the average). As in the case of the wet-days, only in May, 1935, and September, 1933, have the numbers for May and September been less than in 1939. January to April, 1939, gave 75 rain-days or six more than the average, whereas May to December had 126 or nine less than the average. The summer six months April to September gave 85 or seven less than the average.

During the year the total number of rain-days over the British Isles was 201 ; of these, 153 received sufficient rain to rank as wet-days. There were five more rain-days than wet-days in both July and October, and six more in March.

None of the 100 selected stations failed to record a rain-day or wet-day in any month. The smallest number of rain-days in the table was 3 at Derby for September, while only 2 wet-days occurred in the same month at Oxford, Ross-on-Wye, Warwick and Derby. There were 2 wet-days also at Holne, to the east of Dartmoor, in May. On the other hand in November Delphi Lodge, in Connemara, recorded rain on each day and only one failed to rank as a wet-day.

Table I.—*Annual General Number of Rain-days (Days with .01 in. or more) in 1917-1939, compared with Average, 1881-1915†.*

Year.	England and Wales. Average 188.			Scotland. Average 217.			Ireland. Average 220.			British Isles. Average 204.		
	Rain Days.	Diff. from Aver.	Per cent. of Aver.	Rain Days.	Diff. from Aver.	Per cent. of Aver.	Rain Days.	Diff. from Aver.	Per cent. of Aver.	Rain Days.	Diff. from Aver.	Per cent. of Aver.
1917	185	— 3	98	217	0	100	224	+ 4	102	203	— 1	100
1918	200	+ 12	106	226	+ 9	104	227	+ 7	103	214	+ 10	105
1919	191	+ 3	102	214	— 3	99	213	— 7	97	203	— 1	100
1920	203	+ 15	108	232	+ 15	107	243	+ 23	110	220	+ 16	108
1921	158	— 30	84	224	+ 7	103	217	— 3	99	190	— 14	93
1922	196	+ 8	104	234	+ 17	108	226	+ 6	103	214	+ 10	105
1923	216	+ 28	115	257	+ 40	118	253	+ 33	115	236	+ 32	116
1924	202	+ 14	107	237	+ 20	109	248	+ 23	113	223	+ 19	109
1925	192	+ 4	102	231	+ 14	106	230	+ 10	105	212	+ 8	104
1926	192	+ 4	102	234	+ 17	108	226	+ 6	103	211	+ 7	103
1927	208	+ 20	111	233	+ 16	107	238	+ 18	108	223	+ 19	109
1928	204	+ 16	109	240	+ 23	111	247	+ 27	112	225	+ 21	110
1929	165	— 23	88	217	0	100	218	— 2	99	192	— 12	94
1930	207	+ 19	110	223	+ 6	103	232	+ 12	105	217	+ 13	107
1931	199	+ 11	106	233	+ 16	107	235	+ 15	107	217	+ 13	106
1932	190	+ 2	101	219	+ 2	101	214	— 6	97	204	0	100
1933	162	— 26	86	193	— 24	89	191	— 29	87	177	— 27	87
1934	187	— 1	99	229	+ 12	106	232	+ 12	106	209	+ 5	103
1935	195	+ 7	104	218	+ 1	100	223	+ 3	101	208	+ 4	102
1936	195	+ 7	104	209	— 8	96	223	+ 3	101	204	0	100
1937	183	— 5	97	206	— 11	95	224	+ 4	102	199	— 5	97
1938	182	— 6	97	235	+ 18	108	233	+ 13	103	208	+ 4	102
1939	189	+ 1	101	213	— 4	98	212	— 8	96	201	— 3	99

† The averages for the period 1881-1915 are based on the records from about 100 stations distributed as evenly as possible over the country. The selection of stations is described in an article in *British Rainfall*, 1926, p. 267, and the general number of rain-days in each year from 1861 will be found in Table I of that article.

Table II.—*Monthly General Number of Rain-days (Days with .01 in. or more) in 1917 to 1939, British Isles, with Average, 1881-1915.‡*

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
1917 ...	15	12	19	16	13	14	12	23	17	25	20	17	203
1918 ...	20	20	12	12	13	13	19	17	25	22	16	25	214
1919 ...	23	12	20	18	11	16	11	16	16	14	20	26	203
1920 ...	24	17	21	23	19	13	24	13	17	13	16	20	220
1921 ...	25	9	23	11	17	7	12	20	11	16	16	23	190
1922 ...	24	20	17	18	13	15	21	19	17	12	16	22	214
1923 ...	22	24	15	17	19	13	18	21	20	25	19	23	236
1924 ...	22	15	10	16	23	17	20	23	20	19	16	22	223
1925 ...	18	23	16	19	23	5	16	17	21	19	15	20	212
1926 ...	24	20	14	17	19	14	14	17	16	17	24	15	211
1927 ...	23	16	21	18	12	20	18	21	22	17	21	14	223
1928 ...	27	17	21	16	11	20	14	19	12	23	23	22	225
1929 ...	14	14	5	13	14	15	14	21	11	22	23	26	192
1930 ...	23	9	19	16	15	12	18	23	18	24	19	21	217
1931 ...	22	22	11	19	19	18	22	15	14	15	22	18	217
1932 ...	19	7	15	22	21	7	20	13	20	25	17	18	204
1933 ...	16	18	16	12	17	12	16	14	9	19	15	13	177
1934 ...	21	8	20	19	14	12	13	19	18	23	15	27	209
1935 ...	16	20	12	19	8	21	11	13	22	24	23	19	208
1936 ...	22	17	17	13	10	15	24	13	16	17	19	21	204
1937 ...	23	23	19	16	14	14	16	11	17	14	13	19	199
1938 ...	24	13	12	6	17	17	19	15	17	24	23	21	208
1939 ...	21	18	20	16	10	13	23	13	10	18	24	15	201
Average 19	17	18	15	15	14	16	17	15	19	19	20	204	

‡ The average general values for England and Wales, Scotland and Ireland separately are given in *British Rainfall*, 1927, p. 7, and are discussed in an article on *The Distribution over the British Isles of the average number of days with rain during each month of the year.*—Q.J.R. Meteor. Soc. Vol. 54, 1928.

Table III.—*Annual General Number of Wet-days (Days with .04 in. or more) in 1917 to 1939, with Average.*

	England and Wales.	Scotland.	Ireland.	British Isles.
1917	134	174	176	155
1918	150	182	188	168
1919	143	172	171	158
1920	151	185	197	171
1921	110	177	166	142
1922	146	181	178	163
1923	159	206	198	182
1924	154	184	199	173
1925	143	179	180	162
1926	141	184	173	161
1927	156	184	185	171
1928	151	193	200	175
1929	121	170	170	147
1930	155	174	186	168
1931	145	180	182	163
1932	136	168	165	152
1933	115	145	142	130
1934	137	183	182	160
1935	149	174	177	163
1936	149	162	172	158
1937	139	156	173	152
1938	136	189	185	162
1939	142	164	164	153
Average 1917-39	142	177	179	160

Table IV.—*Monthly General Number of Wet-days (Days with .04 in. or more) in 1917 to 1939, British Isles, with Average.*

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1917 ...	11	8	14	13	10	10	9	20	12	21	15	12	155
1918 ...	15	17	9	9	10	9	15	12	22	16	13	21	168
1919 ...	19	9	15	14	8	12	8	12	13	11	15	22	158
1920 ...	20	13	17	19	15	10	19	9	13	9	12	15	171
1921 ...	20	5	17	8	13	5	10	15	7	12	12	18	142
1922 ...	20	16	13	14	9	11	16	15	13	8	11	17	163
1923 ...	15	20	11	13	14	8	13	17	16	21	16	18	182
1924 ...	17	9	7	12	19	13	17	18	16	15	12	18	173
1925 ...	14	19	11	15	18	3	12	13	15	14	12	16	162
1926 ...	20	15	9	12	15	11	11	13	12	14	19	10	161
1927 ...	19	13	17	13	8	16	13	17	17	13	15	10	171
1928 ...	23	13	16	11	8	16	10	15	9	19	18	17	175
1929 ...	9	10	3	8	11	11	11	16	8	17	20	23	147
1930 ...	19	5	14	12	11	9	14	18	14	20	16	16	168
1931 ...	17	18	7	14	15	14	17	11	9	11	18	12	163
1932 ...	15	3	11	18	15	5	16	9	15	20	12	13	152
1933 ...	12	14	13	9	12	10	12	10	6	14	10	8	130
1934 ...	16	4	16	14	11	9	10	15	15	18	10	22	160
1935 ...	11	16	9	15	6	17	7	10	18	20	19	15	163
1936 ...	19	13	12	9	7	12	19	9	13	13	15	17	158
1937 ...	19	19	14	12	11	10	12	9	13	10	9	14	152
1938 ...	20	9	8	3	13	13	15	12	13	20	19	17	162
1939 ...	18	14	14	12	7	10	18	9	7	13	20	11	153
Average													
1917-39	17	12	12	12	11	11	13	13	13	15	15	16	160

Table V.—Number of "Rain-days" (.01 in. or more) and of "Wet-days" (.04 in. or more) in 1939.

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	Total Rain-fall.
ENGLAND AND WALES.															
London2	St. Pancras (Camden Square)	22 18	9 7	13 8	17 8	7 5	9 6	16 8	15 7	8 4	18 16	22 17	13 5	169 109	30.65
Kent1	Tenterden (Ashenden)	24 21	11 8	20 15	13 10	8 6	17 6	18 12	10 7	6 4	23 20	23 20	12 9	179 138	33.90
Sussex3	Worthing (Beach House Pk.)	22 18	11 9	14 9	16 11	8 6	11 8	16 12	11 11	5 5	20 16	24 19	13 9	171 133	34.42
Hampshire . . .1	Ventnor (Royal National Hos.)	22 19	13 8	17 11	17 12	7 6	16 10	21 15	11 8	9 4	20 17	26 20	15 13	194 143	38.88
Hampshire . . .7	Selborne (The Wakes)	23 18	13 10	19 9	16 13	8 8	17 14	22 18	14 9	8 6	24 22	23 20	20 11	207 158	42.68
Herts3	Royston (Therfield Rectory)	22 19	10 4	17 11	16 12	9 6	13 10	19 11	13 11	13 9	21 17	20 15	16 6	189 131	30.91
Oxford3	Oxford (Radcliffe Met. Stn.)	22 17	12 9	15 9	16 10	9 7	12 9	21 19	12 10	6 2	17 12	22 17	16 7	180 128	30.43
Northants . . .4	Wellingborough (Swanspool)	24 21	11 7	19 11	15 8	6 5	15 9	23 18	16 13	6 3	17 15	19 14	9 8	180 132	30.51
Cambridge . . .2	March	16 14	6 3	13 11	13 12	7 5	14 11	15 14	11 11	9 7	19 17	16 16	6 6	145 127	25.70
Essex3	Shoeburyness	20 16	8 6	17 12	14 10	5 4	11 5	16 5	11 8	10 4	20 18	20 15	14 8	166 111	26.39
Suffolk4	Lowestoft (Secondary School)	22 19	9 5	18 13	17 10	6 3	13 6	14 9	11 8	14 8	22 20	18 13	13 9	177 123	32.72
Suffolk5	Bury St. Edmunds (Westley H.)	22 19	8 7	16 16	15 12	8 8	9 8	15 11	10 10	12 11	18 17	15 15	11 11	159 145	35.93
Norfolk4	Hunstanton	20 17	7 5	18 16	19 12	6 4	12 9	16 11	10 7	12 9	21 13	17 11	10 7	168 121	25.14
Wiltshire3	Larkhill (School of Artillery)	22 15	12 7	14 8	14 10	9 6	11 9	20 19	13 9	6 3	19 16	25 21	17 8	182 131	30.79
Dorsetshire . .3	Poole	18 13	10 8	14 8	12 10	8 6	15 6	22 19	13 11	5 4	19 16	21 19	11 9	168 129	37.51
South Devon 4	Holne (Church Park Cottage)	25 23	16 12	17 9	20 17	5 2	17 11	27 23	18 14	4 3	16 13	26 25	14 12	205 164	74.47
North Devon 2	Barnstaple (N.Dev. Athenaeum)	21 18	16 9	16 10	17 15	11 7	11 7	24 23	16 9	4 4	19 15	23 20	11 9	189 146	34.48
North Devon 3	Okehampton (Uplands)	25 20	20 11	16 13	19 18	10 6	18 13	26 23	13 10	8 5	18 16	27 24	17 12	217 171	61.54
Cornwall2	St. Austell (Trevarna)	25 21	19 15	16 12	21 17	8 6	16 12	25 22	17 12	5 4	18 12	27 23	16 15	213 171	51.18
Somerset1	Bath (Henrietta Park)	21 15	14 9	15 8	16 11	11 5	15 11	21 18	18 14	4 4	17 15	23 20	12 8	187 138	33.62
Somerset3	Angersleigh (Leigh Court)	22 16	12 9	14 11	17 13	9 8	15 14	21 20	17 11	7 6	16 14	26 22	17 11	193 155	40.84
Hereford1	Ross-on-Wye	20 16	14 9	13 8	15 8	8 5	15 9	20 16	16 12	5 2	16 12	20 16	15 10	177 123	27.63
Shropshire . . .3	Bishops Castle (The Vicarage)	24 20	15 12	19 12	18 12	7 5	15 9	25 23	14 10	6 6	19 15	24 19	13 7	199 150	34.95
Shropshire . . .4	Shifnal (Hatton Grange)	21 20	14 8	14 9	19 11	10 6	14 9	26 20	14 10	8 4	20 14	24 17	11 8	195 136	28.18
Warwick1	Warwick Castle Gardens	23 17	12 8	15 9	13 7	7 6	14 9	22 18	16 11	7 2	20 13	23 18	12 8	184 126	32.73

Table V.—Number of "Rain-days" (.01 in. or more) and of "Wet-days" (.04 in. or more) in 1939.—(con.).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	Total Rain-fall.
ENGLAND AND WALES—(con.)															
Leicester . . . 4	Leicester (Town Hall Square) .	19 17	11 7	14 8	16 10	10 6	12 6	21 17	16 13	9 4	18 14	19 13	8 6	173 121	27.58
Lincoln 3	Horncastle	22 16	12 6	20 16	18 9	9 6	16 9	19 14	11 9	13 8	19 13	21 13	13 7	193 126	31.40
Nottingham . . 5	Mansfield (Carr Bank)	22 18	10 7	14 10	14 9	8 4	16 13	23 18	15 12	9 4	19 13	17 16	8 7	175 131	29.87
Derbyshire . . 6	Derby (The Arboretum)	23 16	12 11	16 9	16 12	5 4	13 6	20 18	15 12	3 2	16 12	18 15	12 6	169 123	28.17
Cheshire 2	Northwich (Hunt's Lock)	23 20	16 12	13 11	13 11	11 6	15 13	24 20	11 8	5 4	15 10	23 20	15 8	184 143	31.47
North Lancs. . 5	Blackpool (Stanley Park)	23 18	18 13	15 12	14 11	9 7	13 12	23 20	11 6	8 5	13 8	23 19	9 8	179 139	31.79
Yorks. W.R. . . 3	Wakefield (Clarence Park)	26 21	17 9	21 10	13 10	9 8	15 9	23 19	15 8	10 5	19 14	23 15	15 6	206 134	29.11
Yorks. E.R. . . 3	Hull (Pearson Park)	20 16	12 6	17 12	15 10	10 7	13 9	18 14	13 12	11 8	18 13	16 13	17 8	180 128	28.85
Yorks. N.R. . . 2	Felixkirk (Mount St. John)	26 22	14 10	19 12	14 8	10 9	11 9	21 18	15 9	13 8	20 16	21 15	15 6	199 142	30.43
Yorks. N.R. . . 5	Scarborough	24 19	12 8	16 11	15 11	8 7	14 11	14 10	12 9	16 10	20 14	19 15	18 13	188 138	27.99
North'land . . 3	Newcastle (Leazes Park)	24 16	9 7	20 13	11 6	8 6	16 12	23 16	12 10	11 8	20 16	16 12	12 9	182 131	27.61
North'land . . 6	Ilderton (Lilburn Tower Gdns.)	24 20	17 9	29 19	18 11	11 8	15 11	20 11	13 10	14 8	24 17	18 12	18 9	221 145	30.36
Cumberland . . 1	Geltsdale	25 22	21 17	25 22	18 13	12 5	17 14	21 18	15 12	11 7	20 11	26 20	16 7	227 168	34.71
Cumberland . . 2	Keswick (High Hill)	21 18	20 19	18 16	16 14	8 5	13 11	23 22	11 10	9 7	15 11	21 19	8 7	183 159	59.26
Cumberland . . 3	Ravenglass (The Grove)	19 19	20 14	19 10	14 10	7 5	13 10	24 22	9 4	9 6	11 8	24 19	10 7	179 134	37.03
Glamorgan . . 6	Treherbert (Tyn-y-waun)	27 21	21 19	18 13	21 19	10 7	15 11	27 21	16 12	7 6	19 17	27 23	11 10	219 179	101.66
Pembroke . . . 4	St. Ann's Head	21 19	18 11	14 11	15 10	11 9	11 9	22 17	13 10	4 3	14 7	25 20	15 10	183 136	39.25
Cardigan . . . 3	Lampeter (Falcondale)	24 22	17 17	18 17	14 11	9 7	14 10	25 22	18 16	9 7	16 13	26 25	14 13	204 180	57.55
Radnor 1	Birmingham WW (Tyrmynydd)	25 22	23 18	24 14	20 18	12 8	18 13	26 22	16 15	9 4	21 15	27 23	17 11	238 183	68.81
Denbigh 2	Denbigh (Garn)	26 20	18 14	21 17	19 12	8 5	14 13	23 21	15 13	8 6	18 11	25 19	14 10	209 161	36.62
Merioneth . . 4	Dolgelley (Bontddu)	22 22	21 17	20 15	18 13	8 8	13 11	28 21	17 14	7 6	18 13	24 22	15 14	211 176	61.20
Anglesey . . .	Llanerchymedd (Ll'diarth Es.)	23 21	18 14	18 15	13 12	6 4	8 6	25 22	8 7	6 6	15 15	21 20	17 10	178 152	39.71
England and Wales	(Mean of 47 Stations)	23 19	14 10	17 12	16 12	9 6	14 10	21 17	14 10	8 5	18 14	22 18	13 9	189 142	

Table V.—Number of "Rain-days" (·01 in. or more) and of "Wet-days" (·04 in. or more) in 1939.—(con.).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	Total Rain-fall.
ISLE OF MAN.															
Isle of Man...	Douglas (Borough Cemetery)...	20 20	20 17	18 13	17 12	10 3	10 10	20 16	13 8	11 10	13 13	23 19	13 9	188 150	37·84
CHANNEL ISLANDS.															
Guernsey...	St. Peter Port (Grange Road)...	27 22	17 11	18 11	16 13	9 6	13 9	21 15	13 7	10 5	23 18	22 19	16 12	205 148	37·61
SCOTLAND.															
Wigtown...3	Port William (Monreith).....	14 13	13 11	17 13	12 10	8 5	10 8	19 15	11 8	7 7	13 9	19 16	10 10	153 125	36·20
Kirkcubright5	Lochrutton (Dumfries W.W.)...	17 14	23 21	18 16	18 12	7 5	15 10	22 20	15 9	10 9	13 10	25 19	12 7	195 152	44·28
Peebles.....2	Stobo Castle.....	19 15	18 18	23 17	17 12	14 8	15 13	22 16	10 10	10 9	18 12	27 22	12 6	205 158	34·37
Berwick.....4	Marchmont House.....	26 20	17 10	28 17	20 9	11 7	16 13	25 17	15 11	12 9	22 20	24 18	14 8	230 159	30·43
Lanarkshire 5	Strathaven (Dungavel).....	16 16	24 22	23 17	16 12	8 5	13 11	21 18	9 7	8 8	14 11	26 23	15 10	193 160	41·72
Ayrshire.....6	Maybole (Culzean Castle Gdns.)	14 10	23 19	22 16	13 10	9 6	9 8	21 16	12 9	7 6	8 5	26 23	12 9	176 127	35·61
Renfrew.....3	Greenock (Prospect Hill).....	16 11	24 23	19 14	15 12	10 9	12 7	21 18	11 9	10 9	14 7	25 24	14 11	191 154	53·14
Stirling.....1	Falkirk (Westbank) Gdn.	19 16	22 21	21 12	16 11	8 6	13 12	21 17	9 6	11 10	13 10	26 22	9 6	188 149	35·24
Bute.....3	Dougarie Lodge.....	19 15	23 18	23 17	17 12	11 5	10 7	23 19	10 7	10 10	15 12	26 23	14 11	201 156	43·88
Argyllshire 8	Lochgilthead (Poltalloch).....	19 15	26 24	24 20	17 15	13 12	11 9	28 22	12 11	11 11	11 9	29 27	19 15	220 190	51·36
Argyllshire 14	Islay (Eallabus).....	18 16	24 22	24 22	11 10	11 9	10 9	23 19	8 8	11 11	12 11	25 25	20 13	202 175	44·84
Argyllshire 14	Mull (Gruline).....	19 14	26 25	26 21	17 14	16 14	13 10	26 28	14 12	14 13	17 13	29 28	23 15	240 202	64·82
Argyllshire 14	Tiree.....	21 16	23 22	23 14	15 12	11 10	13 10	20 16	13 11	11 8	14 11	27 25	20 13	211 168	38·44
Argyllshire 3	Leuchars (Aerodrome).....	21 17	16 12	20 13	14 6	11 8	12 8	18 14	15 7	10 8	20 15	21 18	12 4	190 130	27·38
Perthshire 11	Aberfeldy (Dall Avon).....	18 14	23 19	26 15	17 12	10 6	10 6	23 18	14 8	12 8	20 11	27 21	14 6	214 144	38·76
Aberdeen 1	Balmoral Castle Gardens.....	25 20	19 12	27 18	19 10	12 6	16 9	22 15	16 11	15 12	24 20	27 20	14 9	236 162	34·26
Aberdeen 2	Aberdeen Observatory.....	25 18	10 7	24 17	17 7	10 8	15 7	21 14	10 5	16 9	22 15	25 18	17 10	212 135	27·89
Aberdeen 4	Peterhead (Forehill Works)...	26 21	11 11	20 20	12 8	11 7	13 9	19 14	11 8	13 10	20 17	22 19	20 16	198 160	28·75
Morayshire 2	Fochabers (Gordon Castle)...	24 17	12 8	20 14	13 10	12 8	16 11	23 15	13 12	13 10	21 15	24 21	18 11	209 152	28·97

Table V.—Number of "Rain-days" (.01 in. or more) and of "Wet-days" (.04 in. or more) in 1939.—(con.).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	Total Rain-fall.
SCOTLAND															
—(con.)															
Inverness 3	Cluny Castle	20 17	23 22	28 17	17 9	10 6	14 11	22 19	13 12	15 10	17 11	29 24	15 13	223 171	36.48
Inverness 16	Fort William (The Factory)	19 16	26 24	27 18	18 16	14 11	12 11	25 22	15 11	13 11	15 7	29 25	19 14	232 186	69.21
Inverness 18	Skye (Portree)	23 20	26 25	24 20	17 14	16 11	16 10	28 22	19 14	15 14	17 12	28 27	25 15	254 204	65.07
R' & Cromarty 3	Fortrose	21 16	19 11	18 13	18 6	9 4	17 9	27 18	16 11	13 9	16 8	26 17	19 11	219 133	28.14
R' & Cromarty 7	Ullapool	21 18	23 19	24 18	17 13	10 6	15 8	26 20	10 8	16 12	13 7	24 24	16 15	215 168	35.22
R' & Cr'm'rt'y 10	Stornoway (C. G. Lookout)	25 21	25 22	24 21	17 15	14 7	16 11	25 21	15 9	14 11	19 13	28 25	23 23	245 199	42.98
Sutherland 1	Lairg	12 12	18 14	25 20	15 11	15 6	12 9	29 22	12 9	9 8	12 8	26 22	20 14	205 155	34.15
Sutherland 5	Loch More (Achfary)	26 25	25 23	25 22	21 18	12 11	19 15	28 23	14 7	14 11	18 13	28 27	23 20	253 215	61.37
Caithness 3	Thurso (Buckies)	28 22	22 12	28 22	20 13	15 10	18 13	25 16	13 9	17 11	23 18	30 28	24 17	263 191	35.94
Scotland	(Mean of 28 Stations)	20 17	21 18	23 17	16 11	11 7	14 10	23 18	13 9	12 10	17 12	26 23	17 12	213 164	
IRELAND.															
Co. Cork 7	Cork (University College)	19 18	23 15	17 10	16 10	10 6	9 6	23 15	14 9	8 6	13 7	28 23	20 14	200 139	41.80
Co. Cork 8	Roches Point (C. Guard Stn.)	22 16	23 18	17 12	21 12	14 7	12 9	25 18	15 11	11 8	18 10	28 24	20 15	226 180	39.66
Co. Kerry 3	Valentia Observatory	24 20	27 18	16 13	19 15	13 10	12 7	26 18	12 7	11 9	20 16	27 26	18 12	225 171	51.55
Co. Waterford 3	Waterford (Gortmore)	22 15	21 15	17 12	17 9	13 8	15 12	23 18	15 11	8 6	17 13	25 19	14 11	207 149	38.72
Co. Tipperary 1	Nenagh (Castle Lough)	16 14	20 15	15 11	13 8	10 8	10 9	17 15	12 9	9 7	11 9	27 25	16 10	176 140	37.44
Co. Tipperary 3	Cashel (Ballinamona)	19 12	22 15	21 12	17 13	12 8	13 10	23 16	14 6	11 8	17 10	27 24	17 11	213 145	36.11
Co. Limerick 2	Foynes (Coolnanes)	19 15	17 13	18 12	12 9	9 5	12 9	23 16	11 6	6 6	14 9	27 22	14 11	182 133	35.12
Co. Limerick 2	Limerick (Mulgrave Street)	16 14	19 17	18 12	19 14	12 6	15 11	21 16	11 9	10 7	17 12	26 25	13 11	197 154	36.62
Co. Wexford 4	Gorey (Courtown House)	26 24	21 13	24 14	16 10	18 8	18 11	25 19	19 9	11 8	24 17	22 20	17 11	241 164	38.83
Co. Leix 2	Abbey Leix (Blandsfort)	24 15	21 17	22 15	19 13	15 6	13 12	25 20	14 8	10 7	19 15	27 23	17 12	226 163	35.73
Co. Dublin 2	Dublin (Phoenix Park)	24 16	17 9	18 14	16 12	8 5	16 12	24 16	14 7	13 8	19 14	25 20	13 10	207 143	29.84
Co. Meath 4	Kells (Headfort)	20 14	23 12	22 14	16 13	10 7	10 9	25 20	10 7	11 7	23 17	25 20	17 12	212 152	38.25
Co. W'm'each 1	Mullingar (Belvedere Ho.)	19 16	23 16	22 15	16 13	14 9	16 9	29 22	14 8	10 6	21 16	27 22	12 11	223 163	40.12

Table V.—Number of "Rain-days" (.01 in. or more) and of "Wet-days" (.04 in. or more) in 1939.—(con.).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	Total Rain- fall.
IRELAND															
—(con.)															
Co. Longford 2	Newtownforbes (Cas. Forbes G.)	20 18	19 18	18 17	15 11	10 10	11 11	22 20	9 9	8 8	18 16	24 24	14 13	188 175	41.13
Co. Mayo 4	Mallaranny	24 23	25 24	18 15	16 13	16 11	14 11	28 23	12 12	8 8	21 19	28 26	19 18	229 203	64.83
Co. Mayo 5	Delphi Lodge	24 24	26 24	22 21	17 14	16 15	17 16	28 26	16 13	10 8	22 19	30 29	15 15	243 224	97.54
Co. Sligo 2	Collooney (Markree Castle)	20 19	22 18	22 18	13 12	13 8	13 12	24 18	12 9	9 9	16 15	25 23	19 15	208 176	40.17
Co. Ferm'gh 1	Newtownbutler (Crom Castle)	21 16	22 16	22 16	15 13	15 9	14 11	24 19	12 7	11 6	20 14	29 25	17 13	222 165	41.45
Co. Armagh 5	Armagh (Observatory)	20 17	18 13	23 16	19 14	15 10	16 11	24 15	13 10	10 7	21 15	27 23	16 12	222 163	32.50
Co. Down 2	Seaforde	19 15	19 13	24 20	18 16	8 7	11 10	25 17	10 10	9 9	20 17	24 21	16 9	203 164	36.58
Co. Antrim 5	Ballymena (Harryville)	20 19	21 18	25 23	16 13	14 11	12 11	22 20	10 9	10 10	19 16	28 24	22 18	219 192	42.93
Co. Tyrone 3	Omagh (Edenfel)	21 20	23 18	23 16	16 14	15 8	13 12	22 21	10 7	11 7	19 14	28 26	20 15	221 178	37.63
Co. Donegal 2	Buncrana Rectory	19 15	22 18	26 18	14 9	15 9	15 12	25 18	14 8	12 10	21 15	27 23	20 15	230 170	34.81
Ireland	(Mean of 23 Stations)	21 17	21 16	20 15	16 12	13 8	13 11	24 18	13 9	10 8	19 14	27 24	17 13	214 165	
British Isles .	(Mean of 100 Stations)	21 18	18 14	20 14	16 12	10 7	13 10	23 18	13 9	10 7	18 13	24 20	15 11	201 153	

3. ABSOLUTE DROUGHTS, PARTIAL DROUGHTS AND DRY SPELLS IN 1939.

As in the analogous case of rain-days and wet-days (Section 4), certain definitions have to be adopted in order to obtain a reliable body of statistical information on the subject of droughts. The definitions used are :—

An **absolute drought** is a period of at least 15 consecutive days, to none of which is credited $\cdot 01$ inch 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 $\cdot 01$ inch ;

A **dry spell** is a period of at least 15 consecutive days to none of which is credited $\cdot 04$ inch 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, page 21, while that of dry spell was first used in *British Rainfall*, 1919, page 15.

Details are given in Table VIII of the absolute droughts, partial droughts and dry spells, which occurred at the 100 selected stations of Table V. The monthly totals at these selected stations are included in Table XX. Stations from which no droughts were reported are omitted from Table VIII.

During 1939 the number of stations out of the 100 which failed to record either a drought or a dry spell was only six, a number much smaller than usual, though in 1938, 1934, 1932 and 1929 the numbers were four, nine, four and one respectively.

In Tables VI and VII the total number of droughts and dry spells recorded at these 100 stations in 1939 are compared with those of each year from 1930 to 1938. For absolute and partial droughts similar information is available as far back as the famous dry year 1887 and averages are therefore available for the 53 years 1887 to 1939. Statistics, comparable with those given in Table VI, are given for the years 1887 to 1929 in *British Rainfall*, 1929, page 20

and statistics, similar to those in Tables VI and VII, for the years 1917 to 1928 are given in *British Rainfalls* for the years 1928 to 1938.

The total number of absolute droughts recorded in 1939 was 112 or 50 more than the average 1887 to 1939. The number of partial droughts was 42 or 12 less than the average. The number of dry spells was 207 or 66 more than the average. The number of absolute droughts, *viz.*, 112, has only been exceeded since 1887 on three occasions, 1887, 1899 and 1911, with 160, 120 and 137 respectively. Of the 100 stations 65 had no partial drought and only 6 no dry spell. Partial droughts were less widespread than usual. Dry spells were more widespread only in 1917, 1929 and 1932 when 5, 1 and 5 stations respectively failed to record any.

The longest absolute drought lasted 25 days from May 16th to June 9th at Holne, South Devon. The longest drought has not been of less duration since 1931, with a duration of 21 days, although 1933 and 1936 both gave 25 days. The longest partial drought lasted from April 26th to June 9th, a period of only 45 days, at Ravenglass. The longest dry spell lasted for 30 days from May 15th to June 13th, at Holne.

More than half of the absolute droughts occurred between May 17th and June 12th. During this period droughts were widespread over most of England (except to the west of the Pennines), over Wales, the south-east of Scotland and central Ireland. The remaining droughts were mainly confined to the period September 3rd to October 4th and occurred over much of the south-west of England, south Wales, south-west of Scotland and north-west of Ireland. Droughts also occurred at three stations (in Sutherlandshire, Ross-shire and Co. Longford) during the period August 14th to 31st. Droughts at the end of December are more unusual but in 1939 they were recorded at nine stations, between December 10th and 31st, representative of areas to the east of the Wash, north-west England, south of Scotland and parts of Co. West Meath and North Devon.

Of the partial droughts 27 were recorded between April 26th and June 16th, and 11 between September 3rd and October 4th. There was one at March (Cambridge) from January 27th to February 27th, one at Shoeburyness from June 17th to July 17th, and two at Shoeburyness and Tenterden (Kent) between August 9th and September 14th.

Dry spells occurred at most stations, except in the north and west of Scotland, between May 16th and June 14th. The dry spell between September 5th and October 4th occurred mainly in Ireland, the southern half of Scotland and west of England and Wales. The next most widespread dry spell was that between December 10th and 31st.

An account of the droughts and dry spells of August and September is given in the *Meteorological Magazine*, 1939, pp. 265-7.

Table VI.—*Droughts at 100 Stations, 1930–1939.*

ABSOLUTE DROUGHTS.*					PARTIAL DROUGHTS.†			
Year.	No. of Droughts at 100 Stations.	Mean Duration.	Longest.	Stations without one.	No. of Droughts at 100 Stations.	Mean Duration.	Longest.	Stations without one.
		Days.	Days.			Days.	Days.	
1930	16	17	20	86	29	31	42	72
1931	16	18	21	85	28	34	46	82
1932	87	19	32	36	156	40	71	7
1933	56	18	25	52	92	37	69	52
1934	82	18	30	38	101	37	54	33
1935	70	19	32	49	44	42	66	64
1936	42	17	25	65	24	33	38	81
1937	61	17	30	61	38	33	51	64
1938	108	21	38	24	98	52	100	6
1939	112	19	25	16	42	33	45	65
Average 1887–1939	62	18	27	53	54	37	57	58

* 15 days without a "rain day."

† 29 days averaging not more than .01 in.

Table VII.—*Dry Spells* at 100 Stations, 1930–1939.*

Year.	Number at 100 Stations.	Mean Duration.	Longest Spell.	Number of Stations with			
				None.	1 or 2.	3 or 4.	5 or more.
		Days.	Days.				
1930	76	18	22	45	51	4	0
1931	84	19	26	53	35	12	0
1932	229	23	51	5	53	38	4
1933	191	19	40	14	54	31	1
1934	193	20	44	10	60	29	1
1935	142	19	33	26	52	22	0
1936	128	17	27	26	62	12	0
1937	136	19	35	33	46	19	2
1938	171	25	48	7	73	20	0
1939	207	20	30	6	59	35	0
Average 1917–1939	141	19	36	26	56	18	1

* 15 days without a "wet day."

Table VIII.—Droughts and Dry Spells in 1939.

County and River Division.	Station.	Absolute Droughts.				Partial Droughts.				Dry Spells.			
		Began.	Ended.	Lasted.		Began.	Ended.	Lasted.	Rain.	Began.	Ended.	Lasted.	Rain.
				days				days	in.			days	in.
London 2	ENGLAND AND WALES. St. Pancras (Camden Square)	May 18	June 9	23		..	..	..	..	Apr. 6	Apr. 22	17	.06
		May 18	June 9	23		..	..	..	..	May 18	June 9	23	.00
Kent 1	Tenterden (Ashenden)	May 18	June 9	23		..	..	..	..	Dec. 10	Dec. 31	22	.14
		May 19	June 9	22		Aug. 11	Sept. 13	34	.32	May 18	June 9	23	.00
Sussex 3	Worthing (Beach House Park)	May 19	June 9	22		..	..	..	..	..	..	..	..
		Sept. 16	Oct. 3	18		..	..	..	..	May 19	June 9	22	.00
Hampshire . . 1	Ventnor (Royal National Hos).	May 18	June 6	20		..	..	..	..	Sept. 16	Oct. 3	18	.00
		May 18	June 6	20		..	..	..	..	May 18	June 6	20	.00
Hampshire . . 7	Selborne (The Wakes)	May 18	June 6	20		..	..	..	..	May 18	June 6	20	.00
		..	..	..		..	..	..	..	May 18	June 9	23	.01
Hertfordshire 3	Royston (Therfield Rectory)	..	..	..		..	..	..	..	Dec. 10	Dec. 25	16	.15
		..	..	..		..	..	..	..	Apr. 7	Apr. 21	15	.04
Oxford 3	Oxford (Radcliffe Met. Stn.)	May 21	June 9	20		..	..	..	..	May 18	June 9	23	.03
		..	..	..		..	..	..	..	Sept. 16	Oct. 3	18	.02
Northants . . 4	Wellingborough (Swanspool)	May 18	June 9	23		..	..	..	..	Dec. 10	Dec. 27	18	.06
		..	..	..		..	..	..	..	May 18	June 9	23	.00
Cambridge . . 2	March	..	..	..		Jan. 27	Feb. 27	32	.26	Dec. 10	Dec. 25	16	.01
		Dec. 10	Dec. 31	22		..	..	..	..	Jan. 27	Feb. 21	26	.11
Essex 3	Shoeburyness	May 17	June 9	24		..	..	..	..	May 17	June 9	24	.00
		..	..	..		..	..	..	..	Dec. 10	Dec. 31	22	.00
Suffolk 4	Lowestoft (Secondary School)	May 17	June 9	24		..	..	..	..	May 17	June 9	24	.00
		..	..	..		June 17	July 17	31	.29	June 19	July 17	29	.21
Suffolk 5	Bury St. Edmunds (Westley Hall)	May 18	June 9	23		..	..	..	..	Aug. 11	Aug. 30	20	.05
		May 22	June 10	19		Aug. 9	Sept. 14	37	.30	May 15	June 9	26	.03
Norfolk 4	Hunstanton	May 22	June 10	19		..	..	..	..	June 21	July 5	15	.09
		..	..	..		..	..	..	..	May 18	June 9	23	.00
Wiltshire 3	Larkhill (School of Artillery)	May 22	June 9	19		..	..	..	..	May 22	June 10	19	.00
		Sept. 16	Oct. 1	16		May 6	June 11	37	.31	Dec. 10	Dec. 25	16	.04
Dorsetshire . 3	Poole	May 19	June 11	24		..	..	..	..	May 18	June 11	25	.02
		Sept. 16	Oct. 3	18		Sept. 3	Oct. 3	31	.18	Sept. 5	Oct. 27	29	.05
S. Devon 4	Holne (Church Park Cottage)	May 16	June 9	25		..	..	..	..	Dec. 10	Dec. 27	18	.11
		..	..	..		Sept. 3	Oct. 3	31	.26	May 18	June 14	28	.05
		..	..	..		May 5	June 14	41	.23	Sept. 12	Oct. 3	22	.01
		..	..	..		Sept. 3	Oct. 3	31	.21	May 15	June 13	30	.07
		..	..	..		Sept. 3	Oct. 3	31	.21	Sept. 13	Oct. 3	21	.01

Table VIII.—Droughts and Dry Spells in 1939—(con.).

County and River Division.	Station.	Absolute Droughts.			Partial Droughts.			Dry Spells.		
		Began.	Ended.	Lasted. days	Began.	Ended.	Lasted. days	Began.	Ended.	Lasted. days
N. Devon ...2	Barnstaple (N. Dev. Athenæum)	May 22 Sept. 14 Dec. 12	June 10 Oct. 3 Dec. 27	20 20 16	May 9	June 13	36	May 22 Sept. 14 Dec. 11	June 13 Oct. 3 Dec. 27	23 20 17
N. Devon ...3	Okehampton (Uplands)	May 22	June 9	19	May 6	June 9	35	May 22	June 9	19
Cornwall ....2	St. Austell (Trevarna)	May 22 Sept. 14	June 7 Oct. 3	17 20	May 9	June 7	30	Sept. 14	Oct. 3	20
Somerset ...1	Bath (Henrietta Park)	May 23 Sept. 11	June 9 Oct. 3	18 23	May 6 Sept. 4	June 11 Oct. 4	37 31	Sept. 14 May 16 Sept. 11	Oct. 3 June 9 Oct. 3	20 25 23
Somerset. ...3	Angersleigh (Leigh Court)	May 22	June 6	16	..	..	..	Dec. 10	Dec. 27	18
Hereford ...1	Ross-on-Wye .....	..	..	..	..	..	..	May 22	June 6	16
Shropshire ...3	Bishops Castle (The Vicarage).	May 18 Sept. 14	June 9 Oct. 3	23 20	May 17 Sept. 3	June 14 Oct. 4	29 32	Sept. 14 Apr. 17 May 17	Oct. 3 June 9 Oct. 3	15 24 29
Shropshire ...4	Shifnal (Hatton Grange)	May 22	June 10	20	May 17 Sept. 3	June 14 Oct. 3	29 31	Dec. 11	Dec. 26	16
Warwick ...1	Warwick Castle Gardens .....	..	..	..	..	..	..	May 22	June 13	23
Leicester .4	Leicester (Town Hall Square) .	May 21	June 10	21	..	..	..	..	..	..
Lincoln ....3	Horncastle	Dec. 10 May 25	Dec. 25 June 9	16 16	Sept. 3	Oct. 3	31	Dec. 10	Dec. 25	16
Nottingham .5	Mansfield (Carr Bank)	May 25	June 10	17	..	..	..	Apr. 6	Apr. 28	23
Derbyshire ...6	Derby (The Arboretum)	Dec. 10 May 18 Sept. 3	Dec. 25 June 10 Sept. 21	16 24 19	..	..	..	May 18	June 9	23
		Dec. 11	Dec. 25	15	May 17 Sept. 3	June 14 Oct. 4	29 32	Sept. 4 Dec. 10 May 21	Sept. 30 Dec. 25 June 10	27 16 21
					..	..	..	June 21	July 5	15
					Sept. 3	Oct. 3	31	..	..	..
					..	..	..	Dec. 10	Dec. 31	22
					..	..	..	May 22	June 9	19
					..	..	..	Dec. 10	Dec. 24	15
					..	..	..	May 17	June 10	25
					..	..	..	Dec. 10	Dec. 25	16
					May 17 Sept. 3	June 14 Oct. 4	29 32	May 17	June 12	27
					..	..	..	Sept. 3	Oct. 1	29
					..	..	..	Dec. 10	Dec. 31	22

Table VIII.—Droughts and Dry Spells in 1939—(con.).

County and River Division.	Station.	Absolute Droughts.			Partial Droughts.			Dry Spells.		
		Began.	Ended.	Lasted. days	Began.	Ended.	Lasted. days	Began.	Ended.	Rain. in.
Cheshire 2	Northwich (Hunt's Lock)	May 22	June 9	19	..	..	..	May 22	June 10	.01
N. Lancs. . . . 5	Blackpool (Stanley Park) . . . .	..	..	..	..	..	..	Dec. 11	Dec. 26	.05
		..	..	..	..	..	..	Jan. 23	Feb. 6	.05
		..	..	..	..	..	..	May 22	June 9	.01
Yorks. W.R. 8	Wakefield (Clarence Park)	Dec. 11	Dec. 26	16	..	..	..	Sept. 14	Oct. 4	.03
		May 22	June 9	19	..	..	..	Dec. 11	Dec. 26	.00
		..	..	..	Sept. 3	Oct. 1	29	May 18	June 10	.04
Yorks. E.R. . . 3	Hull (Pearson Park)	May 25	June 9	16	..	..	..	Dec. 10	Dec. 31	.13
Yorks. N.R. . . 2	Felixkirk (Mount St. John)	May 22	June 9	19	..	..	..	May 25	June 10	.03
Yorks. N.R. . . 5	Scarborough	May 22	June 9	19	..	..	..	May 22	June 9	.00
North'land . . 3	Newcastle (Leazes Park)	May 22	June 9	19	..	..	..	Dec. 10	Dec. 31	.10
North'land . . 6	Ilderton (Lilburn Tower Gdns.)	May 22	June 9	19	..	..	..	May 18	June 10	.06
Cumberland . 1	Geltsdale	May 22	June 9	19	..	..	..	May 22	June 10	.02
		..	..	..	..	..	..	May 21	June 9	.01
		..	..	..	..	..	..	Sept. 14	Oct. 1	.03
Cumberland . 2	Keswick (High Hill) . . . . .	..	..	..	..	..	..	Sept. 11	Dec. 25	.07
		Sept. 14	Sept. 30	17	..	..	..	Dec. 11	Dec. 31	.08
Cumberland . 3	Ravenglass (The Grove)	Dec. 11	Dec. 26	16	..	..	..	May 21	June 9	.03
		..	..	..	Apr. 26	June 9	45	Sept. 13	Oct. 3	.06
Glamorgan . . 6	Treherbert (Tyn-y-waun)	May 23	June 9	18	..	..	..	Dec. 11	Dec. 31	.02
		Sept. 14	Oct. 3	20	..	..	..	May 22	June 9	.02
Pembroke . . 4	St. Ann's Head	May 22	June 9	19	..	..	..	Dec. 11	Dec. 31	.01
		Sept. 14	Oct. 3	20	..	..	..	May 22	June 9	.01
Cardigan . . . 3	Lampeter (Falcondale)	May 22	June 10	20	..	..	..	Sept. 14	Oct. 3	.00
Radnor 1	Birmingham W.W. (Tyrmynydd)	May 23	June 9	18	May 15	June 12	29	Dec. 11	Dec. 27	.02
		..	..	..	..	..	..	May 18	June 9	.01
		May 18	June 9	23	..	..	..	Sept. 13	Oct. 3	.03
Denbigh 2	Denbigh (Garn)	May 18	June 9	23	..	..	..	Dec. 14	Dec. 29	.08
		..	..	..	..	..	..	May 22	June 12	.05
		..	..	..	..	..	..	Sept. 16	Oct. 4	.03
		..	..	..	..	..	..	May 22	June 13	.11
		..	..	..	..	..	..	Sept. 14	Oct. 3	.06
		May 18	June 9	23	..	..	..	Dec. 11	Dec. 26	.06
		..	..	..	..	..	..	May 18	June 9	.00
		..	..	..	..	..	..	Dec. 11	Dec. 26	.03

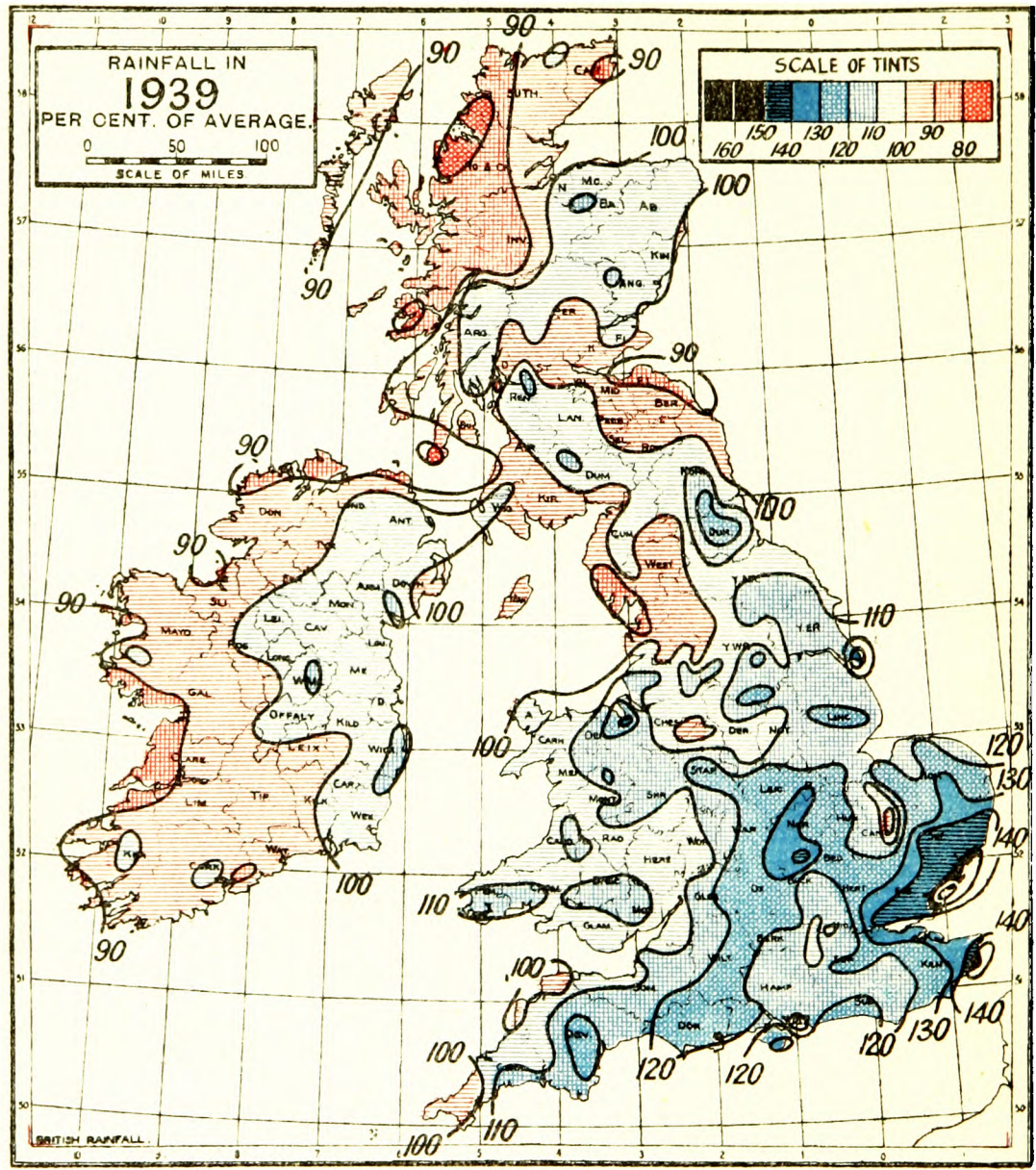
Table VIII.—*Droughts and Dry Spells in 1939—(con.)*.

County and River Division.	Station.	Absolute Droughts.				Partial Droughts.				Dry Spells.			
		Began.	Ended.	Lasted. days		Began.	Ended.	Lasted. days	Rain. in.	Began.	Ended.	Lasted. days	Rain. in.
Anglesey	Llanerchymedd (Llwydiarth Esgob).	May 20	June 12	24		..	..	..	..	May 17	June 12	27	.05
Isle of Man ..	Douglas (Borough Cemetery) ..	..	..	..	..	May 5	June 12	39	.39	Dec. 11	Dec. 26	16	.08
Guernsey	St. Peter Port (Grange Road) .	..	..	..	..	..	..	..	..	May 17	June 9	24	.07
	SCOTLAND.	May 18	June 9	23	..	May 15	June 14	31	.25	Sept. 14	Oct. 3	20	.02
		..	..	..	..	..	..	..	..	May 18	June 14	28	.03
		..	..	..	..	..	..	..	..	Sept. 14	Sept. 29	16	.06
Wigtown ...3	Port William (Monreith) .....	..	..	..	..	May 15	June 12	29	.26	Jan. 23	Feb. 7	16	.02
		..	..	..	..	..	..	..	..	May 22	June 8	18	.03
Kirkcudbright5	Lochrutton (Dumfries W.W.) ..	Sept. 13	Oct. 3	21	..	..	..	..	..	Sept. 13	Oct. 4	22	.03
		Dec. 14	Dec. 31	18	..	..	..	..	..	Dec. 14	Dec. 31	18	.00
		May 22	June 8	18	May 15	June 12	29	.24	..	May 21	June 9	20	.04
		Sept. 13	Sept. 30	18	..	..	..	..	..	Sept. 13	Oct. 3	21	.02
Peebles .....2	Stobo Castle .....	..	..	..	..	..	..	..	..	Dec. 11	Dec. 26	16	.05
		..	..	..	..	..	..	..	..	May 22	June 9	19	.07
		Sept. 13	Sept. 29	17	..	..	..	..	..	Sept. 13	Sept. 29	17	.00
Berwick .....4	Marchmont House	May 22	June 9	19	..	..	..	..	..	Dec. 10	Dec. 24	15	.07
		..	..	..	..	..	..	..	..	May 22	June 9	19	.00
Lanarkshire .5	Strathaven (Dungavel)	Sept. 14	Sept. 30	17	..	..	..	..	..	Sept. 13	Sept. 29	17	.06
Ayrshire ....6	Maybole (Culzean Castle Gdns.)	Sept. 13	Sept. 30	18	..	..	..	..	..	Sept. 14	Sept. 30	17	.00
Renfrew ....3	Greenock (Prospect Hill)	Sept. 13	Sept. 29	17	..	..	..	..	..	Sept. 13	Oct. 4	22	.01
Stirling .....1	Falkirk (Westbank) Gdn. ....	..	..	..	..	..	..	..	..	Sept. 13	Sept. 29	17	.00
		..	..	..	..	..	..	..	..	May 22	June 8	18	.03
		..	..	..	..	..	..	..	..	Sept. 13	Sept. 29	17	.03
Bute .....3	Dougarie Lodge .....	..	..	..	..	..	..	..	..	Dec. 10	Dec. 24	15	.02
		..	..	..	..	..	..	..	..	May 21	June 8	19	.02
Argyllshire ..8	Lochgilphead (Poltalloch)	Sept. 14	Sept. 30	17	..	..	..	..	..	Sept. 14	Oct. 4	21	.02
Argyllshire 14	Islay (Eallabus)	Sept. 14	Oct. 4	21	..	..	..	..	..	Sept. 14	Oct. 4	21	.00
Argyllshire 14	Mull (Gruline)	Sept. 16	Oct. 4	19	..	..	..	..	..	Sept. 14	Sept. 30	17	.00
Argyllshire 14	Tiree	Sept. 14	Oct. 4	21	..	..	..	..	..	Sept. 15	Oct. 4	20	.01
Fifeshire ...3	Leuchars (Aerodrome)	May 23	June 10	19	..	..	..	..	..	Sept. 14	Oct. 4	21	.00
		Sept. 13	Sept. 29	17	..	..	..	..	..	May 21	June 10	21	.05
		..	..	..	..	..	..	..	..	Sept. 13	Sept. 29	17	.00
		..	..	..	..	..	..	..	..	Dec. 10	Dec. 24	15	.06

Table VIII.—*Droughts and Dry Spells in 1939—(con.)*.

County and River Division.	Station.	Absolute Droughts.				Partial Droughts.				Dry Spells.			
		Began	Ended.	Lasted. days		Began.	Ended.	Lasted. days	Rain. in.	Began.	Ended.	Lasted. days	Rain. in.
Perthshire .11	Aberfeldy (Dall Avon)	May 22	June 10	20		May 8	June 13	37	.35	May 20	June 10	22	.05
		..	..	..		..	..	..	..	Sept. 13	Sept. 29	17	.03
Aberdeen ...1	Balmoral Castle Gardens .....	..	..	..		..	..	..	..	Dec. 10	Dec. 31	22	.08
Aberdeen ..2	Aberdeen Observatory .....	..	..	..		May 16	June 16	32	.31	May 25	June 13	20	.07
		..	..	..		..	..	..	..	Apr. 5	Apr. 19	15	.14
Inverness ...3	Cluny Castle .....	..	..	..		..	..	..	..	Aug. 12	Aug. 31	20	.06
		..	..	..		..	..	..	..	Mar. 29	Apr. 12	15	.09
Inverness ..16	Fort William (The Factory) ..	..	..	..		..	..	..	..	May 22	June 8	18	.04
Ross and Cromarty .3	Fortrose .....	..	..	..		..	..	..	..	Sept. 14	Sept. 29	16	.01
Ross and Cromarty 7	Ullapool .....	..	..	..		..	..	..	..	Apr. 26	May 12	17	.12
		..	..	..		..	..	..	..	May 22	June 9	19	.06
Sutherland ..1	Lairg	Aug. 15	Aug. 31	17		..	..	..	..	Mar. 24	Apr. 12	20	.14
Sutherland ..5	Loch More (Achfary)	Aug. 15	Aug. 29	15		..	..	..	..	Apr. 28	May 12	15	.05
		..	..	..		..	..	..	..	Aug. 15	Aug. 31	17	.00
		..	..	..		..	..	..	..	Aug. 15	Sept. 2	19	.01
		..	..	..		..	..	..	..	Aug. 15	Sept. 2	19	.07
Co. Cork ....7	IRELAND. Cork (University College)	May 24	June 12	20		..	..	..	..	May 24	June 13	21	.02
		..	..	..		..	..	..	..	Aug. 10	Aug. 24	15	.05
		..	..	..		..	..	..	..	Sept. 13	Oct. 3	21	.02
Co. Cork ....8	Roches Pt. (C. Guard Station) ..	May 25	June 12	19		..	..	..	..	May 25	June 12	19	.00
Co. Kerry ..3	Valentia Observatory	May 24	June 12	20		..	..	..	..	May 24	June 12	20	.00
Co. Waterford 3	Waterford (Gortmore)	May 24	June 9	17		..	..	..	..	May 22	June 9	19	.01
		Sept. 13	Sept. 30	18		..	..	..	..	Sept. 13	Oct. 3	21	.04
Co. Tipperary 1	Nenagh (Castle Lough)	May 24	June 10	18		May 10	June 13	35	.31	May 24	June 12	20	.03
		..	..	..		..	..	..	..	Aug. 11	Aug. 25	15	.02
		..	..	..		..	..	..	..	Sept. 13	Oct. 3	21	.00
Co. Tipperary 3	Cashel (Ballinamona)	Sept. 13	Oct. 3	21		..	..	..	..	May 22	June 12	22	.07
		May 27	June 10	15		May 9	June 13	36	.35	Aug. 10	Aug. 25	16	.04
		..	..	..		..	..	..	..	Sept. 13	Oct. 3	21	.05
		..	..	..		..	..	..	..	Dec. 16	Dec. 31	16	.03
Co. Limerick .2	Foynes (Coolnanes) .....	..	..	..		..	..	..	..	Jan. 23	Feb. 7	16	.04
		May 24	June 9	17		May 8	June 12	36	.30	May 24	June 9	17	.00
		..	..	..		..	..	..	..	Aug. 10	Aug. 25	16	.06
		Sept. 13	Oct. 3	21		..	..	..	..	Sept. 13	Oct. 3	21	.00

RELATION OF RAINFALL IN 1939 TO THE AVERAGE OF 1881-1915.



H.M.S.O. Press Cornwall House, S.E. 1.

Ps 1645/3885 Wc 3332 B D 3727. Gp 948 750/10/40

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

Table VIII.—*Droughts and Dry Spells in 1939—(con.)*.

DROUGHTS AND DRY SPELLS.

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County and River Division.	Station.	Absolute Droughts.			Partial Droughts.			Dry Spells.		
		Began.	Ended.	Lasted. days	Began.	Ended.	Lasted. days	Began.	Ended.	Rain. in.
Co. Limerick 2	Limerick (Mulgrave St.)	May 24	June 9	17	May 9	June 12	35	May 24	June 9	in. .29
Co. Wexford 4	Gorey (Courtown House)	Sept. 13	Oct. 3	21	..	..	..	Sept. 13	Oct. 3	.. .00
Co. Leix ....2	Abbey Leix (Blandsfort)	May 25	June 10	..	May 15	June 13	30	May 16	June 12	.. .07
		..	..	17	May 14	June 12	30	May 16	June 10	.. .10
		..	..	..	..	..	..	Sept. 13	Sept. 30	.. .03
Co. Dublin ..2	Dublin City (Phoenix Park)	May 22	June 9	..	..	..	..	Dec. 16	Dec. 31	.. .10
		..	..	19	May 7	June 10	35	May 17	June 10	.. .04
Co. Meath ..4	Kells (Headfort)	May 22	June 12	22	May 9	June 12	35	Sept. 13	Sept. 30	.. .09
		..	..	..	..	..	..	May 16	June 12	.. .02
Co. W. Meath 1	Mullingar (Belvedere House)	May 25	June 9	..	..	..	..	Sept. 13	Oct. 3	.. .06
		..	..	16	May 10	June 11	33	Dec. 16	Dec. 31	.. .06
Co. Longford 2	Newtownforbes (Cas. Forbes Gd.)	Sept. 14	Sept. 30	17	..	..	..	May 25	June 11	.. .04
		Dec. 16	Dec. 31	16	..	..	..	Aug. 12	Aug. 30	.. .10
		May 24	June 8	16	..	..	..	Sept. 13	Sept. 30	.. .02
		Aug. 14	Aug. 30	17	..	..	..	Dec. 16	Dec. 31	.. .00
		Sept. 14	Oct. 3	20	..	..	..	May 24	June 8	.. .00
Co. Mayo ..4	Mallarany	Sept. 14	Oct. 3	..	..	..	..	Aug. 14	Aug. 30	.. .00
		..	..	20	..	..	..	Sept. 14	Oct. 3	.. .00
Co. Mayo ...5	Delphi Lodge	Sept. 14	Oct. 3	20	..	..	..	May 24	June 8	.. .01
Co. Sligo ...2	Collooney (Markree Castle)	Sept. 14	Oct. 3	20	..	..	..	Sept. 14	Oct. 3	.. .00
		May 25	June 8	15	..	..	..	May 25	June 8	.. .00
Co. Fer- 1	Newtownbutler (Crom Castle)	Sept. 14	Oct. 3	20	..	..	..	Sept. 14	Oct. 3	.. .03
managh.		..	..	..	..	..	..	Aug. 11	Aug. 25	.. .03
Co. Armagh .5	Armagh (Observatory)	Sept. 15	Sept. 30	16	..	..	..	Sept. 11	Oct. 3	.. .04
		..	..	..	..	..	..	May 24	June 8	.. .03
Co. Down ..2	Seaforde	May 22	June 9	19	May 7	June 9	34	Sept. 13	Oct. 3	.. .06
		Sept. 14	Oct. 4	21	..	..	..	Jan. 23	Feb. 6	.. .13
		Sept. 14	Sept. 30	17	..	..	..	May 22	June 9	.. .00
Co. Antrim .5	Ballymena (Harryville)	May 23	June 8	17	..	..	..	Sept. 14	Oct. 3	.. .00
Co. Tyrone .3	Omagh (Edenfel)	Sept. 15	Sept. 30	16	..	..	..	May 22	June 9	.. .04
		..	..	..	..	..	..	Sept. 14	Sept. 30	.. .01
Co. Donegal .2	Buncrana Rectory	Sept. 15	Sept. 30	16	..	..	..	May 24	June 8	.. .02
		..	..	..	..	..	..	Aug. 13	Aug. 30	.. .08
		Sept. 15	Sept. 30	16	..	..	..	Sept. 14	Sept. 30	.. .02

4. RAIN SPELLS AND WET SPELLS IN 1939.

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 $\cdot 01$ inch of rain or more.

A **wet spell** is a period of at least 15 consecutive days to each of which is credited $\cdot 04$ 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 XI contains particulars of all rain spells* and wet spells* during 1939 which were reported from the 100 selected stations of Table V. Stations from which no rain or wet spells were reported are omitted from this table. The number of stations so omitted is 36, 30 in England and Wales including the Isle of Man, 4 in Scotland and 2 in Ireland. Tables IX and X give comparative statistics concerning the rain spells and wet spells since 1930. Similar details of rain spells are available back to 1903, and are given in *British Rainfall*, 1929, p. 30, and averages are therefore available for the 37 years, 1903 to 1939.

In 1939, the total number of rain spells at the 100 stations was 125 or 41 less than the average. There have been only five years with fewer rain spells than in 1939, since comparable statistics became available in 1903, *viz.*, 1905, 1909, 1931, 1933 and 1937 with 121, 110, 121, 57 and 93 respectively. The mean duration of the rain spells was 22 days, as in 1938, one day more than the average. The mean rain per day during the rain spells was $\cdot 27$ inch, which is equal to the average. The longest rain spell occurred at Fort William and lasted 50 days from February 3rd to March 24th, during which the total fall amounted to 21·90 inches or $\cdot 44$ inch per day. Rain spells occurred during 1939 at 64 stations, five less than the average. As many as six rain spells during the year were recorded at Loch More (Achfary) in Sutherlandshire. In 1939 only 15 stations recorded three or more rain spells, a smaller number occurring since 1903 in only 1909, 1933 and 1937 with 12, 4 and 9 stations respectively.

The total number of wet spells at the 100 stations was 31, or 17 less than the average. Since 1917 there have been fewer wet spells in only four years, *viz.*, 1924, 1931, 1933 and 1937 with 30, 20, 9 and 20 respectively. The mean duration of the wet spells was 21 days and the mean rain per wet day $\cdot 36$ inch, both values being close to the

* 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.

average. Wet spells occurred at 21 stations or 7 less than the average. Delphi Lodge, in Connemara, with five wet spells was the only station to record more than two wet spells. The longest wet spell occurred at Mull (Gruline) and Loch More, in Sutherlandshire, and lasted for 32 days from the beginning of November to the beginning of December. Of the 31 wet spells 3 occurred in England, 13 in Scotland and 15 in Ireland. Comparable statistics are available since 1919 and only once before, in 1931, has there been no wet spell at any of the selected stations in Wales. The rain spells were mainly confined to the first three months and last two months of the year, and the wet spells to the periods February 8th to March 13th and October 30th to December 13th.

Table IX.—*Rain Spells* at 100 Stations, 1930—1939.*

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.				
1930.....	174	23	$\frac{\text{in.}}{\cdot 30}$	72	$\frac{\text{in.}}{\cdot 42}$	32	36	29	3
1931.....	121	20	$\cdot 25$	56	$\cdot 25$	49	33	12	6
1932.....	150	20	$\cdot 29$	36	$\cdot 29$	37	37	20	6
1933.....	57	18	$\cdot 25$	31	$\cdot 25$	65	31	2	2
1934.....	206	21	$\cdot 27$	58	$\cdot 21$	22	45	20	13
1935.....	155	21	$\cdot 26$	57	$\cdot 45$	30	41	28	1
1936.....	140	21	$\cdot 26$	39	$\cdot 40$	38	40	18	4
1937.....	93	21	$\cdot 25$	62	$\cdot 42$	39	52	9	0
1938.....	203	22	$\cdot 29$	77	$\cdot 48$	33	28	26	13
1939.....	125	22	$\cdot 27$	50	$\cdot 44$	36	49	14	1
Average 1903-39	166	21	$\cdot 27$	53	$\cdot 29$	31	43	19	7

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

Table X.—*Wet Spells† at 100 Stations, 1930—1939.*

Year.	Number of Wet Spells.	Mean Duration.		Longest Spell.		STATIONS WITH			
		Days.	Mean rain per day.	Days.	Mean rain per day.	None.	1 or 2.	3 or 4.	5 or more
1930.....	71	21	$\frac{\text{in.}}{\cdot 40}$	35	$\frac{\text{in.}}{\cdot 51}$	61	30	9	0
1931.....	20	19	$\cdot 31$	32	$\cdot 44$	87	10	3	0
1932.....	44	19	$\cdot 41$	30	$\cdot 50$	77	16	7	0
1933.....	9	16	$\cdot 34$	20	$\cdot 49$	94	5	1	0
1934.....	66	19	$\cdot 37$	31	$\cdot 47$	64	29	5	2
1935.....	33	18	$\cdot 38$	29	$\cdot 41$	76	22	2	0
1936.....	31	20	$\cdot 35$	30	$\cdot 44$	81	18	1	0
1937.....	20	21	$\cdot 32$	49	$\cdot 25$	82	18	0	0
1938.....	70	20	$\cdot 40$	48	$\cdot 60$	64	26	7	3
1939.....	31	21	$\cdot 36$	32	$\cdot 44$	79	20	0	1
Average 1917-39	48	19	$\cdot 37$	33	$\cdot 41$	72	23	5	0

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

Table XI.—Rain Spells and Wet Spells in 1939.

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.	
ENGLAND AND WALES										
Kent .....1	Tenterden (Ashenden)	Jan. 13	Jan. 27	days 15	in. 4.53	..	..	days	in.	in. 1.71
Northants ..4	Wellingborough (Swanspool)..	Jan. 14	Jan. 28	15	3.89	..	..	..	..	1.21
Wiltshire....3	Larkhill (School of Artillery)	Jan. 12	Jan. 26	15	3.17	..	..	..	..	.54
S. Devon ..4	Holne (Church Park Cottage)	July 13	Aug. 3	22	6.58	..	..	..	..	.87
		Oct. 29	Nov. 18	21	9.83	..	..	..	..	1.60
N. Devon ..2	Barnstaple (N. Dev. Athenæum)	July 13	Aug. 4	23	4.68	July 13	July 29	17	3.98	.71
N. Devon ..3	Okehampton (Uplands)	July 13	Aug. 2	21	6.56	..	..	..	..	.99
		Oct. 29	Nov. 19	22	9.89	..	..	..	..	1.45
		Nov. 25	Dec. 11	17	7.82	..	..	..	..	1.32
Cornwall ..2	St. Austell (Trevarna)	28 xii 38	Jan. 12	16	2.79	..	..	..	..	.78
		Oct. 29	Nov. 19	22	6.33	..	..	..	..	1.21
Shropshire ..3	Bishops Castle (The Vicarage)	July 13	Aug. 3	22	4.45	..	..	..	..	1.13
Shropshire ..4	Shifnal (Hatton Grange)	July 13	Aug. 5	24	4.43	..	..	..	..	1.07
Warwick ..1	Warwick Castle Gardens	July 27	Aug. 11	16	3.28	..	..	..	..	.68
Lincoln ....3	Horncastle	Jan. 14	Jan. 28	15	2.87	..	..	..	..	1.04
Cheshire ....2	Northwich (Hunt's Lock)	Jan. 6	Jan. 23	18	3.72	..	..	..	..	.69
Northumb....6	Ilderton (Lilburn Tower Gdns.)	Mar. 14	Apr. 3	21	2.32	..	..	..	..	.93
Cumberland 1	Geltsdale	Jan. 6	Jan. 23	18	4.32	Jan. 6	Jan. 23	18	4.32	1.57
		Nov. 3	Nov. 20	18	2.53	..	..	..	..	.64
Cumberland 2	Keswick (High Hill)	Jan. 6	Jan. 23	18	8.03	..	..	..	..	1.57
		Feb. 20	Mar. 8	17	7.31	Feb. 20	Mar. 8	17	7.31	1.43
Glamorgan ..6	Treherbert (Tyn-y-waun)	Jan. 6	Jan. 26	21	14.09	..	..	..	..	2.12
Cardigan ....3	Lampeter (Falcondale)	Oct. 29	Nov. 18	21	9.69	..	..	..	..	1.60
Denbigh ....2	Denbigh (Garn)	Jan. 6	Jan. 25	20	6.65	..	..	..	..	.90
		Nov. 2	Nov. 18	17	6.95	..	..	..	..	1.50
		Jan. 6	Jan. 25	20	4.37	..	..	..	..	.74
CHANNEL ISLANDS										
Guernsey	St. Peter Port (Grange Road)	Jan. 9	Jan. 29	21	5.52	..	..	..	..	1.06
		Oct. 24	Nov. 7	15	2.74	..	..	..	..	.81
SCOTLAND										
Kirkcudbright5	Lochrutton (Dumfries W.W.)	Nov. 2	Nov. 18	17	4.05	..	..	..	..	.90

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

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

Table XI.—Rain Spells and Wet Spells in 1939—(con.).

County and River Division.	Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spells.	
		Began.	Ended.	Lasted days	Total Rain. in.	Began.	Ended.	Lasted days	Total Rain. in.	Date.	Rain. in.
SCOTLAND (cont.).											
Peebles 2	Stobo Castle	Feb. 21	Mar. 8	16	3.77	..	..	..	..	Mar. 7	.60
		Oct. 27	Nov. 18	23	4.79	..	..	..	..	Nov. 8	1.33
Berwick 4	Marchmont House	Jan. 14	Jan. 30	17	4.13	..	..	..	..	Jan. 18	.86
Lanarkshire . 5	Strathaven (Dungavel)	Feb. 15	Mar. 12	26	5.64	..	..	..	..	Mar. 7	1.07
		Nov. 3	Nov. 18	16	5.10	..	..	..	..	Nov. 7	1.02
Ayrshire 6	Maybole (Culzean Castle Gdns.)	Nov. 3	Nov. 17	15	4.12	..	..	..	..	Nov. 7	.87
Renfrew 3	Greenock (Prospect Hill)	Feb. 15	Mar. 9	23	7.47	Feb. 15	Mar. 8	22	7.44	Feb. 27	.71
Bute 3	Dougarie Lodge	Feb. 14	Mar. 11	26	5.53	..	..	..	..	Mar. 7	.85
		Nov. 20	Dec. 4	15	4.99	..	..	..	..	Nov. 25	.72
Argyllshire . 8	Lochgilphhead (Poltalloch)	Feb. 3	Mar. 23	49	10.63	Feb. 14	Mar. 13	28	6.36	Feb. 21	.61
		June 27	July 14	18	5.49	..	..	..	..	July 12	1.07
		Nov. 2	Dec. 9	38	13.11	Nov. 5	Dec. 4	30	11.17	Nov. 30	1.25
Argyllshire . 14	Islay (Eallabus)	Feb. 10	Mar. 15	34	5.69	..	..	..	..	Mar. 7	.77
		Nov. 2	Nov. 16	15	5.03	Nov. 2	Nov. 16	15	5.03	Nov. 8	2.14
Argyllshire . 14	Mull (Gruline)	Feb. 3	Mar. 7	33	12.52	Feb. 14	Mar. 7	22	9.01	Feb. 21	1.25
		Mar. 9	Mar. 26	18	2.96	..	..	..	..	Mar. 12	.45
		Nov. 2	Dec. 10	39	16.08	Nov. 3	Dec. 4	32	13.96	Mar. 21	1.21
Argyllshire . 14	Tiree	Feb. 14	Mar. 2	17	3.83	..	..	..	..	Dec. 1	.74
Perthshire . 11	Aberfeldy (Dall Avon)	Nov. 12	Dec. 4	23	5.90	Nov. 20	Dec. 4	15	4.73	Dec. 1	1.02
		Feb. 15	Mar. 13	27	4.31	..	..	..	..	Feb. 21	.71
		Oct. 29	Nov. 15	18	3.85	..	..	..	..	Nov. 5	.79
		Nov. 20	Dec. 5	16	3.00	..	..	..	..	Nov. 30	.58
Aberdeen . . 1	Balmoral Castle Gardens	Jan. 14	Jan. 30	17	2.81	..	..	..	..	Jan. 14	.47
		Oct. 21	Nov. 9	20	3.30	..	..	..	..	Oct. 26	.57
Aberdeen . . . 2	Aberdeen Observatory	Jan. 11	Jan. 30	20	2.80	..	..	..	..	Jan. 14	.58
		Oct. 24	Nov. 8	16	2.20	..	..	..	..	Nov. 5	.44
Morayshire . 2	Fochabers (Gordon Castle)	Jan. 14	Jan. 30	17	1.92	..	..	..	..	Jan. 27	.48
Inverness . . 3	Cluny Castle	Nov. 11	Dec. 6	26	5.80	..	..	..	..	Nov. 26	.88
Inverness . . 16	Fort William (The Factory)	Feb. 3	Mar. 24	50	21.90	..	..	..	..	Feb. 10	2.34
		Nov. 3	Dec. 4	32	13.35	Nov. 20	Dec. 4	15	7.70	Nov. 14	1.25
		Feb. 3	Mar. 23	49	18.50	Feb. 3	Feb. 27	25	12.43	Nov. 8	1.38
Inverness . . 18	Skye (Portree)	Apr. 12	Apr. 26	15	4.23	..	..	..	..	Apr. 21	1.43
		July 1	July 15	15	5.55	..	..	..	..	July 12	1.45
		Nov. 3	Dec. 10	38	12.54	Nov. 5	Dec. 5	31	11.81	Nov. 8	1.20

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

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

Table XI.—Rain Spells and Wet Spells in 1939—(con.).

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 (cont.). R.&Cromarty 3 R.&Cromarty 7	Fortrose	Nov. 11	Dec. 5	days 25	in. 3.52	..	..	..	..	Dec. 4	.68
	Ullapool	Feb. 6	Feb. 21	16	3.33	..	..	..	..	Feb. 9	7.9
		Mar. 5	Mar. 26	22	2.57	..	..	..	..	Mar. 7	.31
		Nov. 14	Dec. 4	21	4.52	Nov. 14	Dec. 4	21	4.52	Mar. 11	.43
	Stornoway (C.G. Lookout) ..	Feb. 5	Mar. 8	32	7.19	..	..	..	..	Nov. 18	1.10
Ross and Cromarty 10		Nov. 3	Dec. 10	38	8.05	Nov. 13	Dec. 10	28	6.29	Nov. 21	.63
Sutherland 1	Lairg	June 29	July 19	21	3.71	..	..	..	..	Feb. 25	.71
		Nov. 12	Dec. 4	23	4.20	..	..	..	..	July 12	.72
		25.xii.'38	Jan. 17	24	9.49	..	..	..	..	Nov. 17	1.32
Sutherland 5	Loch More (Achfary)	Feb. 3	Feb. 19	17	6.26	..	..	..	..	28.xii.'38	1.08
		Mar. 4	Mar. 23	20	5.45	..	..	..	..	Feb. 9	.85
		Apr. 11	Apr. 27	17	3.48	..	..	..	..	Mar. 5	.62
		June 27	July 18	22	6.16	..	..	..	..	Apr. 21	1.45
		Nov. 4	Dec. 5	32	10.82	Nov. 4	Dec. 5	32	10.82	July 12	.92
Caitness 3	Thurso (Buckies)	Jan. 6	Jan. 27	22	3.36	..	..	..	..	Nov. 18	.68
		Feb. 8	Feb. 24	17	2.00	..	..	..	..	Jan. 14	.32
		Mar. 10	Mar. 31	22	2.30	..	..	..	..	Feb. 16	.42
		Oct. 31	Dec. 5	36	6.91	..	..	..	..	Mar. 11	1.03
		Oct. 31	Nov. 18	19	8.02	..	..	..	..	Nov. 26	1.43
IRELAND											
Co. Cork 7	Cork (University College)	Oct. 31	Nov. 18	19	8.02	..	..	..	..	Nov. 6	1.28
Co. Cork 8	Roches Point (C. Guard Stn.)	Feb. 19	Mar. 6	16	3.59	..	..	..	..	Mar. 1	.93
		Oct. 29	Nov. 18	21	6.37	..	..	..	..	Nov. 18	.97
Co. Kerry 3	Valentia Observatory	Jan. 12	Jan. 26	15	4.96	..	..	..	..	Jan. 14	1.26
		Feb. 3	Mar. 7	33	7.62	..	..	..	..	Mar. 1	.74
		Nov. 21	Dec. 11	21	6.42	Nov. 21	Dec. 10	20	6.41	Nov. 25	.53
Co. Waterford 3	Waterford (Gortmore)	Oct. 29	Nov. 16	19	3.92	..	..	..	..	Nov. 3	.62
Co. Tipperary 3	Cashel (Ballinamona)	Feb. 15	Mar. 11	25	4.22	..	..	..	..	Nov. 14	1.03
		Oct. 29	Nov. 18	21	7.03	..	..	..	..	Mar. 1	.90
		Nov. 22	Dec. 11	20	4.64	..	..	..	..	Nov. 4	.50
Co. Limerick 2	Foynes (Coolnanes)	Feb. 20	Mar. 7	16	2.98	..	..	..	..	Nov. 28	.66
Co. Limerick 2	Limerick (Mulgrave Street) ..	Feb. 18	Mar. 7	18	3.87	Feb. 20	Mar. 7	16	3.80	Mar. 2	1.56
		Oct. 31	Nov. 18	19	6.94	..	..	..	..	Mar. 1	1.56

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

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

Table XI.—*Rain Spells and Wet Spells in 1939—(con.)*.

RAIN SPELLS AND WET SPELLS.

29

County and River Division.	Station.	Rain Spells.*				Wet Spells.†				Max. in a Day during Rain Spells.	
		Began.	Ended.	Last.	Total Rain.	Began.	Ended.	Last.	Total Rain.	Date.	Rain.
IRELAND (cont.). Co. Wexford 4	Gorey (Courtown House)	31.xii.'38	Jan. 22	23	in. 4.76	Jan. 6	Jan. 22	days 17	in. 4.13	Jan. 14	in. .77
		Feb. 19	Mar. 5	15	4.08	..	..	..	..	Feb. 22	.88
		June 13	July 9	27	3.81	..	..	..	..	July 7	.73
		Oct. 23	Nov. 6	15	2.90	..	..	..	..	Nov. 3	.48
Co. Leix ....2	Abbey Leix (Blandsfort)	Jan. 6	Jan. 22	17	3.33	..	..	..	..	Jan. 14	.75
		Feb. 24	Mar. 11	16	3.31	..	..	..	..	Mar. 1	.97
		Nov. 22	Dec. 10	19	4.10	..	..	..	..	Nov. 3	.76
		Oct. 31	Nov. 18	19	3.17	..	..	..	..	Nov. 4	.69
Co. Dublin ..2 Co. Meath ..4	Dublin (Phoenix Park) Kells (Headfort)	Feb. 15	Mar. 5	19	2.61	..	..	..	..	Mar. 4	.46
		Nov. 22	Dec. 11	20	4.28	..	..	..	..	Nov. 28	.74
Co. W.Meath 1	Mullingar (Belvedere House) ..	Feb. 15	Mar. 11	25	4.19	..	..	..	..	Mar. 1	.68
		June 27	July 18	22	4.22	..	..	..	..	July 13	1.10
Co. Mayo ....4	Mallaranny	Nov. 2	Nov. 19	18	5.39	..	..	..	..	Nov. 5	1.26
		Feb. 8	Mar. 8	29	7.83	Feb. 8	Mar. 2	23	6.50	Feb. 20	.82
Co. Mayo ...5	Delphi Lodge	Nov. 12	Dec. 13	32	15.64	Nov. 24	Dec. 13	20	12.02	Nov. 25	1.72
		Jan. 11	Jan. 26	16	6.30	Jan. 11	Jan. 26	16	6.30	Jan. 14	1.44
Co. Sligo ..2	Collooney (Markree Castle) ..	Feb. 3	Mar. 8	34	14.48	Feb. 15	Mar. 8	22	9.68	Feb. 20	2.35
		June 24	July 9	16	4.96	June 24	July 9	16	4.96	June 27	1.62
Co.Ferm'n'gh1	Newtownbutler (Crom Castle)	Oct. 29	Dec. 10	43	24.18	Oct. 30	Nov. 18	20	9.46	Nov. 5 {	1.74
		..	..	..	..	Nov. 20	Dec. 10	21	14.69	Nov. 25	..
Co. Armagh .5 Co. Down ..2	Armagh Observatory	Feb. 15	Mar. 11	25	5.61	Feb. 24	Mar. 11	16	4.35	Feb. 28	1.13
		Nov. 21	Dec. 11	21	6.67	Nov. 21	Dec. 11	21	6.67	Dec. 4	.68
Co. Antrim .5 Co. Tyrone .3	Ballymena (Harryville)	Oct. 29	Nov. 19	22	4.45	..	..	..	..	Nov. 7	.75
		Nov. 21	Dec. 11	21	5.73	..	..	..	..	Nov. 30	1.05
Co. Donegal 2	Buncrana Rectory	Oct. 21	Nov. 18	21	3.22	..	..	..	..	Nov. 18	.50
		Feb. 21	Mar. 12	20	4.01	..	..	..	..	Mar. 8	.76
	Omagh (Edenfel)	Feb. 15	Mar. 11	25	5.51	..	..	..	..	Mar. 8	.86
		Feb. 20	Mar. 11	20	5.10	..	..	..	..	Mar. 8	.98
		Nov. 3	Dec. 11	39	9.51	Nov. 3	Nov. 18	16	3.96	Nov. 30	1.04
		..	..	..	..	Nov. 21	Dec. 10	20	5.51	..	..
		Feb. 15	Mar. 12	26	5.94	..	..	..	..	Mar. 8	1.12
		Nov. 3	Nov. 19	17	2.34	..	..	..	..	Nov. 7	.41
		Nov. 21	Dec. 10	20	6.07	Nov. 21	Dec. 5	15	4.56	Dec. 10	1.04

* 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 1939.

The duration of rainfall is obtained from measurements 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, in accordance with scales which are printed upon the charts before they are placed in position in the gauges. The pen of an autographic gauge writes a horizontal line on the record during such time as no rain is falling, and it writes a more or less sloping line whenever rain is passing into the receiver of the gauge.

The duration of rainfall discussed in this section is defined as the length of time during which rain is falling at a rate 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 general use in *British Rainfall*, 1920. It was adopted because during very light rainfall it was found to be almost impossible to decide upon the exact point on the record where the change from "no rain" to "rain" occurred. By taking a definite limiting slope of the trace as the criterion this difficulty is, to a great extent, avoided and it is found possible to obtain comparable measurements from different gauges and from different observers. The limit of 0.1 mm. (.004 in.) per hour is low enough to ensure that no fall of practical importance is excluded.

The list of stations reporting duration of rainfall for 1939 is given in Tables XII and XIII. These tables have been arranged in this volume so as to give information of the total duration of rainfall and of the mean rate of rainfall for the same stations at one opening. The distribution of the stations for 1934 was shown on a map on p. 42 of *British Rainfall*, 1934. The list is the same as that for 1938 apart from the following additions and deletions:—the records at Epsom, East Sheen, Acton, Hayes, Eton, Sherborne Reservoir (Bristol W.W.), Dewsbury, Lake Vyrnwy and Barrow-in-Furness have replaced those at Morden, Stanmore, Dover, Worthing, Princetown, Moreton-hampstead, Liverpool, Lancaster and Kilmarnock. The distribution of the stations is more satisfactory than in previous years, but there are still large areas unrepresented, especially in Ireland and the northern half of Scotland.

Complete records from several stations were obtained from the Dines Tilting Syphon, which is now being adopted as the standard Meteorological Office pattern recording rain-gauge. A diagram showing the principle of the gauge is given in *British Rainfall*, 1933, p. 35. A description of the gauge also appears in the *Meteorological Observer's Handbook* (1934 edition, p. 126), 1939 edition, p. 133), and in the *Meteorological Magazine*, 1935, pp. 237-8.

Hourly total values of the duration of rainfall, and totals for the days and months commencing at midnight, for the four Observatories Kew, Eskdalemuir, Aberdeen and Valentia, are to be found in the *Observatories' Year Book*.

Table XII sets out the duration of rainfall expressed in hours at 120 stations in the British Isles, for each month and for the whole year of 1939. For the purposes of this table the month commences either at 7 a.m. or 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. The stations with the highest aggregate duration for the year are Glenleven (Blackwater Dam) and Taf Fechan (Pontsticill) with a duration of 1,302 hours. This period is equivalent to a total of about 54 days, or just over $3\frac{1}{2}$ hours per day throughout the year. The only other stations with aggregates reaching or exceeding 1,000 hours were Snowdon, Eskdalemuir, and Cray Reservoir, with 1,276, 1,085 and 1,049 hours respectively. Nine stations recorded 450 hours or less, mainly situated in the Midlands, and the London district. The values show less variation over the country than has occurred in most other years.

The month of least duration was September over most of England and Wales. Over Scotland and Ireland the month of least duration was generally May or August. Totals of less than 10 hours were recorded by 16 stations in September. The smallest totals recorded were 4 hours for September at Nottingham and Sutton Bonington.

The month of longest duration was generally January or November, but was October at a few stations, *e.g.*, Lympe (Kent) and Balmoral. No station reported as many as 100 hours of rainfall for May, June, August and September. In September the largest total was only 55 hours at Felixkirk. Values exceeding 200 hours were confined to Lake Vyrnwy and Snowdon with 203 and 224 hours in January, Glenleven with 200 hours in February and 235 hours in November and Taf Fechan with 234 hours also in November.

Details of the duration of rainfall are available at Camden Square (London), back to 1881. The total duration of 590 hours has been exceeded in only three years, *viz.*, 1903, 1916 and 1919 with 689, 628 and 611 hours respectively. The value of 94 hours in January was the largest recorded in that month since 1881, the total in January, 1919, being 90 hours. The total in November of 96 hours was also the largest for that month, 87 and 85 hours being recorded in 1929 and 1926 respectively. The total of 173 hours for October and November also exceeded that of any similar periods, the next largest amount being 152 hours in October and November, 1882.

Table XIII sets out the mean monthly and annual values of rate of rainfall at each of the stations of Table XII. The rainfall amounts are taken from the ordinary gauge for making daily observations which is set up alongside the recording gauge. The values are obtained

(Continued on p. 40.)

Table XII.—Duration of Rainfall at 120 Stations during 1939. (*Monthly and Annual values.*)

County and River Division.	Station.	Pattern of Gauge.	H't above Sea.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
London	2 Kensington Palace.....	Hyeto	80	95	25	38	71	39	23	27	38	16	61	95	18	546
"	2 Fulham (Bishops Park)	Casella	15	56	15	19	49	20	13	25	27	19	60	75	9	387
"	2 Hampstead Observatory	Hyeto	451	116	29	48	73	37	26	40	38	18	99	117	41	682
"	2 St. Pancras (Camden Square) ..	Hyeto	111	94	30	47	72	33	21	32	38	23	77	96	27	590
Surrey	4 Caterham (Alderstead Heath) ..	Dines, T. S.	577	98	36	57	78	30	35	45	42	14	89	126	63	713
"	4 Woodcote Park Golf Club ...	Dines, T. S.	450	83	32	48	75	28	22	37	37	21	91	115	48	637
"	4 Croydon (Airport)	Nat. Syphon	217	103	30	45	81	36	20	37	40	19	98	120	45	674
"	4 Beddington Park	Dines, T. S.	108	100	29	38	70	28	14	29	44	23	84	100	35	594
"	4 Wimbledon (Durnsford Road) ..	Hyeto	58	53	14	20	44	19	17	20	35	17	65	93	14	411
"	5 Dorking (Pixham La. Sew. W.) ..	Casella	131	106	32	44	67	26	23	32	27	14	80	115	47	613
"	5 Earlswood (Sewage Farm)	Dines, T. S.	108	127	38	61	78	31	25	41	34	25	95	118	44	717
"	5 Sutton (Sewage Works)	Dines, T. S.	99	95	28	45	64	29	16	22	33	17	83	99	27	558
"	5 Epsom (Ruxley Lane S. Wks.) ..	N & Z Float	76	76	20	27	58	25	13	20	27	12	81	88	19	466
"	5 Weybridge (Weyland S.W.)	Dines, T. S.	60	99	24	28	41	37	30	32	32	9	85	100	20	537
"	5 Worcester Park (Sew. Works) ..	Dines, T. S.	68	95	27	43	67	28	14	25	34	17	85	101	25	561
"	5 Kingston (Sewage Works)	Casella	26	64	13	16	47	24	16	25	26	8	74	88	20	421
"	5 East Sheen Cemetery	Dines, T. S.	35	84	22	40	64	32	16	22	27	11	70	99	19	506
"	5 Kew Observatory	Beckley	20	75	21	34	56	24	24	27	32	13	75	99	27	507
Kent	2 Lympne (Airport)	Dines, T. S.	346	104	29	64	52	37	21	24	32	22	127	105	48	665
"	2 Manston (Aerodrome)	Nat. Syphon	154	93	24	57	46	40	17	24	26	19	127	102	28	603
"	4 Strood Waterworks	Nat. Syphon	112	88	27	46	65	41	21	29	38	12	97	107	45	616
"	5 Bexley Heath (Danson Park) ..	Hyeto	161	69	11	27	42	25	13	22	25	13	57	56	20	380
Sussex	5 Bodle St. (Bucksteep Manor) ..	Dines, T. S.	235	91	30	46	43	24	19	30	32	10	86	106	32	549
Hampshire	4 Calshot (Aerodrome)	Nat. Syphon	9	93	32	35	55	29	34	52	26	10	90	116	47	619
"	7 Petersfield (Stoner Hill)	Hyeto	750	128	43	45	72	34	38	63	43	15	90	140	72	783
"	8 South Farnborough (R.A.E.) ..	Dines, T. S.	228	104	27	38	62	38	24	47	29	13	78	113	48	621
Middlesex	1 Twickenham Refuse D. Wks. ..	Hyeto	38	81	20	29	51	24	19	22	31	13	74	93	22	479
"	1 Isleworth (Mogden Works) ..	Dines, T. S.	33	73	19	31	55	27	16	21	28	10	73	96	26	475
"	1 Hanwell	Hyeto	36	93	15	30	51	22	18	20	31	9	74	89	18	470
"	1 Acton Cemetery	Nat. Syphon	100	74	15	29	47	23	17	23	41	24	74	93	23	483

Table XIII.—Mean Rate of Rainfall at 120 Stations during 1939. (Monthly and Annual values.)

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.
London	Kensington Palace	.049	.038	.033	.031	.038	.054	.061	.079	.084	.088	.052	.057	.053
"	Fulham (Bishops Park)	.068	.063	.055	.040	.070	.106	.057	.107	.051	.069	.052	.079	.063
"	Hampstead Observatory	.041	.029	.030	.039	.040	.049	.056	.092	.071	.059	.042	.030	.047
"	St. Pancras (Camden Square)	.050	.030	.028	.036	.040	.058	.051	.090	.068	.079	.052	.034	.052
Surrey	Caterham (Alderstead Heath)	.056	.056	.031	.039	.057	.035	.060	.081	.140	.082	.048	.034	.054
"	Woodcote Park Golf Club	.063	.056	.032	.040	.072	.043	.073	.087	.074	.070	.043	.036	.055
"	Croydon (Airport)	.047	.049	.028	.034	.052	.055	.063	.066	.085	.062	.023	.034	.048
"	Beddington Park	.043	.053	.030	.037	.066	.093	.072	.056	.073	.067	.041	.032	.050
"	Wimbledon (Durnsford Road)	.066	.060	.046	.048	.069	.045	.120	.072	.087	.075	.042	.064	.062
"	Dorking (Pixham La. Sew. W.)	.060	.060	.037	.051	.072	.080	.106	.099	.123	.082	.047	.042	.063
"	Earlswood (Sewage Farm)	.038	.030	.023	.035	.049	.039	.051	.077	.063	.073	.042	.036	.045
"	Sutton (Sewage Works)	.044	.045	.023	.034	.058	.071	.098	.115	.095	.065	.041	.042	.053
"	Epsom (Ruxley Lanes Wks.)	.052	.050	.037	.042	.060	.095	.127	.093	.114	.072	.044	.053	.061
"	Weybridge (Weyland S.W.)	.039	.046	.032	.056	.041	.041	.060	.064	.094	.055	.044	.049	.048
"	Worcester Park (Sew. Works)	.041	.047	.025	.035	.054	.067	.112	.123	.085	.066	.040	.044	.054
"	Kingston (Sewage Works)	.062	.066	.045	.046	.053	.100	.100	.091	.116	.065	.046	.032	.062
"	East Sheen Cemetery	.049	.041	.026	.033	.044	.062	.093	.128	.088	.070	.048	.048	.055
"	Kew Observatory	.056	.038	.029	.042	.052	.049	.066	.106	.068	.066	.045	.031	.053
Kent	Lympne (Airport)	.047	.040	.033	.053	.027	.067	.073	.068	.074	.086	.056	.037	.056
"	Manston (Aerodrome)	.042	.043	.031	.049	.046	.082	.072	.057	.134	.085	.038	.033	.056
"	Strood Waterworks	.045	.046	.031	.037	.049	.059	.071	.085	.063	.078	.036	.029	.050
"	Bexley Heath (Danson Park)	.052	.075	.046	.054	.068	.110	.088	.111	.093	.112	.059	.040	.072
Sussex	Bodley St. (Bucksteep Manor)	.074	.047	.039	.056	.045	.070	.069	.049	.041	.086	.062	.046	.062
"	Calshot (Aerodrome)	.043	.037	.031	.032	.025	.037	.063	.073	.065	.077	.051	.032	.049
Hampshire	Petersfield (Stoner Hill)	.056	.054	.036	.037	.048	.049	.076	.051	.071	.073	.057	.043	.055
"	South Farnborough (R.A.E.)	.047	.043	.029	.039	.040	.046	.058	.059	.099	.062	.041	.023	.046
"	Twickenham Refuse D. Works	.051	.042	.035	.043	.053	.049	.087	.100	.083	.070	.052	.049	.057
Middlesex	Isleworth (Mogden Works)	.056	.040	.030	.034	.044	.056	.072	.114	.117	.063	.045	.032	.054
"	Hanwell	.052	.049	.035	.038	.053	.075	.094	.135	.160	.072	.049	.043	.062
"	Acton Cemetery	.064	.047	.043	.054	.052	.088	.103	.096	.049	.064	.050	.037	.061

Table XII.—Duration of Rainfall at 120 Stations during 1939—(con.).

County and River Division.	Station.	Pattern of Gauge.	H't. above Sea.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
Middlesex	1 Hayes Town Hall Pk.	Hyeto	124	97	18	34	59	27	24	26	31	9	75	112	31	543
"	1 Edgware M.C.C. Depot	Hyeto	179	83	18	33	64	33	22	30	35	11	77	104	15	525
"	2 Palmers Gn. (Broomfield Park) ..	Casella	138	93	23	38	63	32	18	25	36	14	88	87	22	539
Herts.	2 Barnet (Sewage Works)	Hyeto	295	123	20	40	67	33	25	34	58	16	87	112	24	639
"	2 North Mimms P.S.	Dines, T. S.	254	130	25	48	72	37	29	39	44	16	85	111	35	671
"	2 Harpenden (Rothamsted) ..	Nat. Syphon	420	82	19	54	64	34	29	31	39	19	72	93	29	565
Bucks	3 Eton (Tangier Island)	N. & Z. Float	78	69	18	27	55	27	18	31	28	11	61	92	20	457
Oxon	2 Woodstock (Sandford S. Mtn.) ..	Casella	500	90	21	38	59	28	34	48	30	7	65	73	24	517
"	3 Upper Heyford (Aerodrome) ..	Nat. Syphon	408	111	30	50	71	36	31	57	36	7	65	85	26	605
Northants	4 Peterborough (Sewage P.S.) ..	Casella	9	93	10	39	45	24	43	29	34	14	57	66	24	478
Beds.	3 Bedford (Bedford Park)	Nat. Syphon	117	110	14	(50)	(55)	43	27	33	49	20	73	85	32	591
Essex	1 Leyton Sewage Works.	Hyeto	22	94	23	37	77	37	20	29	51	25	87	119	30	629
"	2 Ilford (Valentines Park)	N. & Z. Float	43	66	15	36	50	26	12	15	33	16	77	97	24	467
"	5 Colchester (Waterworks)	Nat. Syphon	38	79	22	42	47	33	25	23	30	6	95	90	30	522
Suffolk	2 Copdock	Casella	164	87	21	59	47	23	27	25	25	11	104	91	38	558
"	3 Felixstowe (Aerodrome)	Nat. Syphon	10	82	21	51	58	26	30	20	24	17	127	92	37	585
"	5 Mildenhall (Aerodrome)	Dines, T. S.	15	101	17	62	43	27	37	28	43	24	93	88	30	593
Wilts.	3 Salisbury (Sewage Works)	Nat. Syphon	147	125	39	38	49	19	25	59	21	9	65	92	36	577
"	3 Porton (W.D. Ex. Station) ..	Hyeto	363	96	33	25	52	13	33	67	19	8	60	107	31	544
"	3 Amesbury (Boscombe D. Aero.) ..	Nat. Syphon	419	93	31	30	58	19	28	51	22	8	64	103	46	553
Dorset	3 Poole	Hyeto	18	118	39	28	46	27	34	68	41	9	78	92	66	646
S. Devon	2 Plymouth (Mt. Batten Aero.) ..	Nat. Syphon	82	91	33	26	36	16	43	65	45	13	75	149	72	712
Cornwall	2 Falmouth Observatory	Beckley	167	136	46	38	55	20	40	82	34	13	44	139	65	789
Somerset	1 Litton (Sherborne Res.)	Dines, T.S.	340	136	57	47	86	26	53	63	42	16	64	146	53	699
"	1 Bristol (Airport)	Dines, T.S.	211	116	48	46	72	27	42	62	38	13	61	133	41	699
Gloucester	3 Cheltenham (Montpellier G.) ..	N. & Z. Float	216	95	19	39	50	23	23	45	30	11	54	81	31	501
"	5 Bristol (Sparke Evans Pk.) ..	Hyeto	29	97	43	31	50	24	35	56	34	10	47	119	35	581
"	5 Horfield	Hyeto	206	110	41	48	62	27	38	60	31	9	47	113	34	620
Hereford	1 Ross-on-Wye	Hyeto	224	104	26	28	45	15	22	45	22	7	46	73	28	461
Stafford	3 West Bromwich	Hyeto	543	57	21	40	30	26	19	48	35	10	48	75	35	444

Table XIII—Mean Rate of Rainfall at 120 Stations during 1939—(con.).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.
Middlesex	Hayes Town Hall Pk. ....	.047	.047	.036	.042	.049	.051	.080	.104	.114	.069	.040	.037	.053
"	Edgware M.C.C. Depot .....	.071	.054	.045	.046	.044	.071	.061	.118	.134	.078	.048	.078	.065
"	Palmers Green (Broomfield Park) ..	.060	.043	.041	.054	.049	.075	.087	.092	.145	.068	.056	.049	.063
Herts.	Barnet (Sewage Works) .....	.044	.042	.039	.047	.050	.065	.053	.065	.091	.067	.049	.052	.053
"	North Mimms P.S. ....	.043	.033	.032	.039	.042	.057	.064	.073	.101	.064	.041	.038	.049
"	Harpenden (Rothamsted) .....	.061	.041	.031	.043	.049	.069	.065	.077	.068	.060	.046	.046	.053
Bucks	Eton (Tangier Island) .....	.070	.058	.046	.048	.059	.066	.068	.062	.144	.078	.052	.057	.062
Oxon.	Woodstock (Sandford St. Martin) ..	.055	.042	.062	.057	.048	.080	.094	.084	.132	.087	.054	.058	.067
"	Upper Heyford (Aerodrome) .....	.044	.031	.039	.041	.035	.080	.077	.074	.107	.095	.050	.032	.057
Northants	Peterborough (Sewage P.S.) .....	.039	.030	.038	.046	.027	.047	.090	.075	.075	.064	.046	.038	.052
Beds.	Bedford (Bedford Park) .....	.037	.028	(.033)	(.044)	.028	.066	.066	.054	.044	.048	.032	.047	.042
Essex.	Leyton Sewage Works .....	.055	.037	.033	.031	.042	.058	.087	.081	.070	.063	.038	.034	.050
"	Ilford (Valentines Park) .....	.068	.042	.034	.050	.065	.096	.137	.147	.103	.076	.039	.041	.066
"	Colchester (Waterworks) .....	.071	.038	.039	.053	.042	.062	.074	.116	.047	.076	.045	.039	.060
Suffolk	Copdock .....	.064	.042	.031	.045	.050	.056	.068	.097	.031	.080	.048	.035	.056
"	Felixstowe (Aerodrome) .....	.055	.040	.033	.043	.046	.056	.057	.099	.042	.065	.035	.030	.050
"	Mildenhall (Aerodrome) .....	.036	.044	.027	.047	.035	.042	.049	.080	.127	.038	.030	.040	.044
Wilts.	Salisbury (Sewage Works) .....	.038	.040	.029	.045	.048	.083	.104	.116	.128	.065	.068	.044	.060
"	Porton (W.D. Ex. Station) .....	.049	.051	.040	.047	.074	.053	.083	.111	.130	.080	.050	.051	.061
"	Amesbury (Boscombe Down Aero.) ..	.051	.051	.037	.039	.053	.073	.112	.081	.157	.065	.057	.037	.060
Dorset	Poole .....	.051	.042	.041	.042	.037	.058	.058	.073	.319	.080	.065	.027	.058
S. Devon.	Plymouth (Mt. Batten Aero.) .....	.068	.054	.042	.072	.062	.074	.074	.067	.046	.075	.047	.037	.060
Cornwall	Falmouth Observatory .....	.058	.059	.049	.052	.047	.077	.065	.048	.100	.095	.061	.053	.061
Somerset	Litton (Sherborne Res.) .....	.049	.049	.041	.046	.039	.062	.073	.073	.087	.059	.068	.068	.058
"	Bristol (Airport) .....	.041	.041	.030	.040	.039	.055	.073	.076	.087	.041	.055	.058	.050
Gloucester	Cheltenham (Montpellier Gdns.) ..	.051	.058	.042	.057	.037	.080	.109	.086	.076	.049	.046	.055	.059
"	Bristol (Sparke Evans Pk.) .....	.050	.040	.048	.057	.043	.055	.083	.080	.075	.051	.055	.061	.057
"	Horfield .....	.052	.037	.034	.048	.037	.059	.074	.086	.097	.050	.055	.064	.055
Hereford	Ross-on-Wye .....	.055	.053	.043	.057	.048	.073	.087	.088	.078	.051	.058	.051	.060
Stafford	West Bromwich .....	.086	.054	.038	.061	.047	.092	.088	.069	.104	.075	.062	.042	.067

Table XII.—Duration of Rainfall at 120 Stations during 1939—(con.).

County and River Division.	Station.	Pattern of Gauge:	H't above Sea.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
Stafford	3 Cannock (Longford Lane S.F.)	Hyeto	400	99	20	27	36	30	14	55	32	12	49	72	27	473
"	5 Mayfield	Casella	374	125	44	55	51	29	34	73	38	15	59	110	38	671
Warwick	4 Birmingham (Handsworth Pk.)	Hyeto	424	65	23	31	32	31	22	53	36	16	47	69	19	444
Leicester	4 Loughborough (Nanpantan R.)	Hyeto	269	91	21	41	34	22	21	30	34	5	43	71	28	441
Lincoln	3 Cranwell (Aerodrome)	Dines, T. S.	206	107	19	66	45	35	40	34	37	18	58	67	37	563
Nottingham	2 Sutton Bonington (Agric. Coll.)	Hyeto	159	66	20	38	34	23	23	38	32	4	41	79	21	419
"	5 Nottingham (Sneinton P.S.)	Fernley	83	79	17	46	34	21	30	34	27	4	36	69	25	422
Derby	6 Burbage (Lower Burbage)	Hyeto	925	149	57	90	70	52	47	72	39	34	70	107	44	831
Cheshire	1 Langley (Trentabank Res.)	Dines, T. S.	828	82	48	69	51	39	43	71	29	19	51	101	42	645
"	1 Prestbury (Sew. Works)	Dines, T. S.	340	80	36	44	38	31	35	65	20	11	30	86	26	502
"	1 Appleton Reservoir	Dines, T. S.	120	92	35	32	40	26	34	56	24	13	37	77	32	498
"	1 Dunham Massey (Sew. Works)	Dines, T. S.	55	85	41	32	46	26	36	61	27	12	37	84	29	516
"	2 Cholmondeley (Estate Office)	Dines, T. S.	300	109	33	44	46	35	25	64	39	23	46	73	27	564
"	2 Congleton (Sewage Works)	Dines, T. S.	250	103	38	41	39	31	34	61	27	21	39	89	38	561
"	3 Birkenhead (Bidston Obs.)	Nat. Syphon	198	114	52	54	59	41	38	85	18	19	44	87	38	649
S. Lancs.	3 Manchester (Barton Airport)	Nat. Syphon	70	103	65	37	53	30	43	71	19	12	34	(122)	49	638
"	3 Bolton (Queen's Park)	Fernley	342	113	72	41	54	31	43	80	29	20	42	104	47	676
C. Lancs.	1 Accrington	Nat. Syphon	646	102	72	56	46	31	42	59	19	15	29	102	45	618
"	1 Nelson (Walton Lane)	Hyeto	540	103	82	67	59	28	57	87	34	17	51	128	57	770
"	2 Leyland (Worden Hall)	Fernley	125	113	59	45	50	33	47	86	26	20	36	100	46	661
"	3 Southport (Hesketh Park)	Fernley	39	81	38	33	55	30	44	71	20	20	35	80	42	549
N. Lancs.	1 Barrow-in-Furness	N. & Z. Float	24	50	77	72	75	25	51	76	41	36	49	95	48	735
W.R. Yorks.	7 Sheffield W.W. (Rivelin)	Hyeto	564	117	62	73	62	45	45	56	36	34	58	110	39	737
"	7 Langsett Moor (Swinden Lodge)	Nat. Syphon	1032	150	88	90	68	46	60	72	36	38	58	129	73	908
"	8 Dewsbury (Municipal Offices)	Hyeto	225	81	29	50	39	31	36	60	23	12	41	69	34	505
"	9 Haworth (Lower Laithe Res.)	Hyeto	771	138	110	84	58	37	52	83	34	17	51	98	51	813
"	9 Skipton (Town Hall)	Hyeto	367	107	72	53	47	25	43	73	26	13	50	117	55	681
N.R. Yorks.	2 Felixkirk (Mt. St. John)	Halliwell	542	104	33	93	24	46	43	58	41	55	66	54	37	654
"	2 Catterick (Aerodrome)	Nat. Syphon	176	116	28	80	30	37	44	64	41	24	68	60	34	626
Durham	1 Billingham-on-Tees	Nat. Syphon	58	87	13	82	54	44	58	44	24	13	100	29	20	568

Table XIII.—Mean Rate of Rainfall at 120 Stations during 1939—(con.).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.
Stafford	Cannock (Longford Lane Sew. Fm.)	.046	.044	.042	.050	.049	.069	.085	.126	.096	.074	.048	.057	.062
"	Mayfield	.050	.041	.041	.039	.040	.061	.072	.048	.088	.064	.045	.052	.052
Warwick	Birmingham (Handsworth Park)	.087	.063	.050	.066	.034	.074	.089	.116	.055	.087	.065	.081	.075
Leicester	Loughborough (Nanpantan Res.)	.058	.070	.044	.053	.050	.071	.126	.109	.166	.073	.067	.059	.070
Lincoln	Cranwell (Aerodrome)	.035	.035	.030	.041	.029	.047	.072	.082	.038	.061	.052	.044	.046
Nottingham	Sutton Bonington (Agric. College)	.062	.046	.045	.047	.042	.057	.080	.084	.035	.064	.051	.054	.061
"	Nottingham (Sneinton P.S.)	.050	.050	.034	.058	.047	.058	.106	.083	.123	.071	.053	.059	.059
Derby	Burbage (Lower Burbage)	.047	.038	.035	.032	.043	.051	.076	.065	.061	.071	.054	.044	.051
Cheshire	Langley (Trentabank Res.)	.064	.059	.037	.044	.050	.061	.108	.102	.069	.063	.062	.060	.064
"	Prestbury (Sew. Works)	.055	.059	.043	.045	.042	.063	.114	.089	.079	.055	.060	.087	.065
"	Appleton Reservoir	.053	.078	.049	.044	.047	.092	.132	.086	.053	.063	.061	.070	.070
"	Dunham Massey (Sew. Works)	.059	.073	.057	.048	.040	.081	.117	.074	.089	.061	.058	.085	.070
"	Cholmondeley (Estate Office)	.047	.069	.045	.044	.051	.076	.116	.045	.042	.063	.063	.055	.061
"	Congleton (Sewage Works)	.043	.057	.045	.038	.047	.052	.074	.082	.044	.074	.058	.044	.054
"	Birkenhead (Bidston Observatory)	.037	.042	.029	.035	.032	.066	.072	.120	.035	.058	.051	.061	.050
S. Lancs.	Manchester (Barton Airport)	.049	.055	.047	.042	.044	.065	.088	.096	.082	.030	.040	.068	.056
"	Bolton (Queen's Park)	.054	.070	.056	.054	.054	.079	.083	.067	.071	.060	.066	.084	.066
C. Lancs.	Accrington	.063	.067	.047	.055	.049	.089	.115	.175	.085	.078	.078	.073	.075
"	Nelson (Walton Lane)	.049	.055	.034	.030	.032	.047	.069	.074	.069	.037	.065	.054	.052
"	Leyland (Worden Hall)	.041	.048	.041	.045	.035	.081	.069	.060	.048	.042	.060	.053	.053
"	Southport (Hesketh Park)	.056	.063	.063	.042	.034	.069	.091	.082	.053	.052	.059	.068	.062
N. Lancs.	Barrow-in-Furness	.047	.044	.037	.029	.022	.054	.080	.055	.076	.034	.053	.044	.049
W.R. Yorks.	Sheffield W.W. (Rivelin)	.054	.046	.041	.042	.043	.049	.118	.078	.054	.080	.058	.062	.059
"	Langsett Moor (Swinden Lodge)	.044	.049	.038	.036	.050	.044	.090	.055	.053	.066	.069	.060	.054
"	Dewsbury (Municipal Offices)	.057	.045	.032	.027	.046	.049	.111	.042	.065	.049	.053	.042	.054
"	Haworth (Lower Laithe Res.)	.051	.052	.043	.033	.041	.063	.087	.088	.137	.065	.085	.066	.062
"	Skipton (Town Hall)	.053	.046	.037	.034	.030	.061	.075	.079	.088	.052	.053	.047	.053
N.R. Yorks	Felixkirk (Mt. St. John)	.047	.045	.026	.046	.038	.057	.074	.050	.037	.055	.043	.052	.047
"	Catterick (Aerodrome)	.039	.042	.025	.033	.036	.045	.080	.072	.045	.053	.048	.038	.046
Durham	Billingham-on-Tees	.040	.050	.025	.023	.043	.036	.057	.093	.077	.046	.067	.051	.044

Table XII.—Duration of Rainfall at 120 Stations during 1939—(con.).

County and River Division.	Station.	Pattern of Gauge.	H't above Sea.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
			ft.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
Durham	Durham	Casella	336	94	15	64	22	26	41	41	29	24	71	39	34	500
Glamorgan	Felindre (Upper Lliw Res.) . . .	Hyeto	599	109	80	45	57	21	58	115	48	16	39	160	56	804
"	Swansea (Victoria Park)	Hyeto	26	103	45	29	57	16	33	100	38	12	29	133	47	642
"	Cardiff (Penylan)	Nat. Syphon	205	115	54	37	63	19	27	75	39	12	55	156	38	690
Brecon	Taf Fechan (Pontsticill)	Dines, T. S.	1031	193	118	92	125	34	77	169	51	29	103	234	77	1302
"	Cray Reservoir	Halliwell	1044	194	143	69	88	14	54	140	41	15	58	155	78	1049
Montgomery	Lake Vyrnwy	Dines T. S.	750	203	113	76	71	27	45	112	35	16	52	159	81	990
Flint	Sealand (Aerodrome)	Dines, T. S.	17	125	47	60	57	35	38	73	25	21	53	94	29	657
Merioneth	Bala (Tegid Street)	Nat. Syphon	537	136	98	76	56	30	49	121	33	19	63	162	55	898
Carnarvon	Snowdon (Cwm Dyli)	Beckley	310	224	152	126	88	41	79	142	48	33	78	162	103	1276
Anglesey	Holyhead (Salt Island)	Dines, T. S.	28	113	61	75	53	22	28	99	29	26	64	86	54	710
Dumfries	Esksdalemuir Observatory	Beckley	794	157	176	116	63	31	83	101	29	41	85	141	62	1085
Berwick	Swinton House	Hyeto	200	115	32	66	38	22	35	44	25	31	79	60	29	576
Midlothian	Boghall (Coll. of Agriculture) . .	Hyeto	646	109	55	73	45	15	37	53	20	32	54	74	30	597
Lanark	Crawford (Camps Res.)	Nat. Syphon	970	97	111	80	44	13	55	81	16	32	52	107	39	727
Renfrew	Renfrew (Abbotsinch)	Dines, T. S.	21	94	95	56	44	24	30	74	18	29	42	111	50	667
"	Greenock (Prospect Hill)	Hyeto	200	81	147	77	70	35	31	102	22	47	51	158	72	893
Argyll	Glenleven (Blackwater Dam) . .	Hyeto	1072	103	200	124	81	34	55	137	60	45	80	235	148	1302
"	Tiree	Hyeto	22	58	82	57	38	26	35	82	36	40	32	91	73	650
Fife	Leuchars (Aerodrome)	Nat. Syphon	38	90	54	62	23	31	30	56	27	33	65	76	21	568
Angus	Kirriemuir (Lintrathen)	Nat. Syphon	700	95	99	72	32	39	44	86	33	39	118	135	46	838
Aberdeen	Balmoral Castle Gardens	Nat. Syphon	927	84	61	73	33	34	34	82	32	39	158	104	44	778
"	Aberdeen Observatory	Beckley	80	98	66	59	33	33	31	77	21	33	63	72	45	631
"	Dyce (Craibstone)	Hyeto	300	94	56	51	29	25	28	74	19	34	101	90	61	662
Orkney	Kirkwall (Bignold Park)	Dines, T. S.	113	93	90	80	31	26	39	90	35	29	33	125	112	783
Shetland	Lerwick Observatory	Hyeto	269	103	86	78	67	31	42	74	53	26	34	105	62	761
Cork	Cork (University College)	Hyeto	64	119	84	46	40	18	23	70	34	35	60	173	73	775
Kerry	Valentia Observatory	Beckley	30	118	90	62	50	36	34	83	35	34	49	160	55	806
Armagh	Armagh (Observatory)	Beckley	209	70	44	59	47	27	27	(58)	18	28	54	76	33	541
Antrim	Aldergrove (Aerodrome)	Nat. Syphon	268	89	63	80	44	25	32	72	26	44	59	99	65	698

Table XIII.—Mean Rate of Rainfall at 120 Stations during 1939—(con.).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
		ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.	ins. per hr.
Durham	Durham	.051	.049	.045	.051	.050	.060	.076	.149	.056	.079	.064	.038	.063
Glamorgan	Felindre (Upper Lliw Res.)	.069	.059	.053	.083	.050	.091	.106	.091	.063	.088	.085	.080	.080
"	Swansea (Victoria Park)	.072	.063	.056	.066	.074	.084	.081	.094	.055	.091	.076	.074	.075
"	Cardiff (Penylan)	.057	.052	.046	.054	.044	.069	.085	.094	.064	.062	.056	.071	.062
Brecon	Taf Fechan (Pontsticill)	.055	.051	.033	.039	.028	.053	.087	.068	.060	.056	.053	.042	.055
"	Cray Reservoir	.063	.048	.047	.055	.065	.091	.095	.088	.072	.071	.082	.057	.069
Montgomery	Lake Vyrnwy	.054	.056	.045	.041	.034	.073	.087	.079	.068	.058	.076	.056	.062
Flint	Sealand (Aerodrome)	.038	.054	.029	.033	.048	.052	.071	.057	.024	.063	.043	.060	.047
Merioneth	Bala (Tegid Street)	.059	.070	.047	.044	.043	.060	.074	.084	.047	.050	.071	.059	.062
Carnarvon	Snowdon (Cwm Dyl)	.081	.093	.067	.070	.047	.098	.106	.155	.096	.100	.117	.120	.095
Anglesey	Holyhead (Salt Island)	.053	.050	.035	.036	.030	.057	.048	.068	.048	.055	.045	.046	.047
Dumfries	Eskdalemuir Observatory	.043	.053	.049	.039	.038	.051	.071	.082	.071	.039	.066	.050	.053
Berwick	Swinton House	.041	.038	.040	.036	.036	.053	.054	.075	.032	.041	.045	.040	.043
Midlothian	Boghall (Coll. of Agriculture)	.041	.041	.047	.041	.060	.044	.050	.086	.050	.051	.061	.048	.049
Lanark	Crawford (Camps Res.)	.048	.058	.056	.038	.048	.051	.065	.083	.062	.050	.074	.051	.058
Renfrew	Renfrew (Abbotsinch Aero.)	.048	.059	.050	.048	.056	.061	.060	.082	.059	.059	.072	.051	.058
"	Greenock (Prospect Hill)	.061	.060	.057	.052	.040	.056	.053	.081	.065	.071	.071	.043	.059
Argyll	Glenleven (Blackwater Dam)	.075	.076	.068	.073	.056	.080	.076	.057	.075	.049	.067	.041	.066
"	Tiree	.048	.054	.048	.042	.045	.057	.066	.050	.089	.061	.078	.054	.059
Fife	Leuchars (Aerodrome)	.047	.041	.033	.038	.042	.048	.056	.072	.050	.054	.056	.039	.048
Angus	Kirriemuir (Lintrathen)	.029	.041	.034	.046	.037	.044	.065	.081	.051	.045	.046	.049	.046
Aberdeen	Balmoral Castle Gardens	.042	.045	.037	.036	.028	.053	.057	.088	.059	.040	.035	.036	.044
"	Aberdeen Observatory	.038	.039	.034	.025	.034	.047	.063	.061	.065	.049	.045	.037	.044
"	Dyce (Craibstone)	.046	.047	.037	.040	.046	.072	.068	.068	.068	.054	.044	.030	.050
Orkney	Kirkwall (Bignold Park)	.044	.044	.032	.044	.031	.042	.050	.064	.061	.057	.053	.037	.045
Shetland	Lerwick Observatory	.052	.042	.039	.040	.035	.039	.049	.056	.049	.063	.048	.040	.046
Cork	Cork (University College)	.048	.052	.063	.051	.061	.079	.060	.046	.048	.076	.052	.039	.054
Kerry	Valentia Observatory	.061	.056	.059	.045	.050	.093	.074	.054	.054	.084	.063	.080	.064
Armagh	Armagh (Observatory)	.046	.046	.051	.051	.048	.073	(.076)	.091	.063	.066	.064	.070	.060
Antrim	Aldergrove (Aerodrome)	.040	.044	.045	.050	.033	.058	.084	.088	.074	.034	.047	.047	.052

by dividing the total fall for the month or year by the duration as given in the preceding table. The mean rates for the year vary from $\cdot095$ in. at Snowdon (Cwm Dyli) to $\cdot041$ in. per hour at Weybridge. The highest monthly mean rate was $\cdot319$ inch at Poole for September. This high rate was due to a fall of $2\cdot43$ inches in 7 hours on the 2nd, the total for the month being $2\cdot84$ inches.

6. HEAVY FALLS IN SHORT PERIODS IN 1939.

Heavy falls of rain in short periods are of considerable economic importance, for they are frequently of such intensity as to cause extensive flooding, often accompanied by much surface erosion and structural damage to property. Considerable damage may occur as a result of the accumulation of flood water below the area of heaviest rainfall. The amount of the damage depends on a number of other factors, such as the shape of the catchment area, the nature of the ground and vegetation, whether the water finally flows into the river or sea at high or low tide and the relative positions of the towns. In towns the floods may be aggravated by the failure of the drainage system to cope with the demands made upon it. The information given in this section supplements that in Section 7, Heavy Falls on Rainfall Days, which deals with falls of longer duration causing often more widespread flooding.

Since 1908, this section of *British Rainfall* has contained a classification of intense falls into three categories designated "noteworthy," "remarkable," and "very rare." The classification has been effected by reference to a diagram of which a copy was reproduced on p. 44 of *British Rainfall*, 1935. This diagram indicates by continuous curved lines the lower limits of rainfall which must fall in stated times in order that the fall may be admitted into one of the three categories. The diagram was prepared almost exclusively from eye observations of rainfall duration and from corresponding measurements of rainfall in ordinary rain-gauges.

On pp. 45-46 of *British Rainfall*, 1926, it was pointed out that the frequency of intense falls above the curve denoting the limit of noteworthy falls was in actual fact much greater for small intervals of time (*i.e.*, the left-hand side of the diagram) than for larger intervals (the right-hand side of the diagram). Consideration was therefore given to the question of modifying the curves so that they might represent, as nearly as possible, rainfalls having a uniform frequency of incidence. A new classification-diagram was prepared, full particulars being given in an article in Part IV of *British Rainfall*, 1935, and the limits were brought into operation on January 1st, 1936. The diagram was reproduced in the volumes for 1935 to 1938 and the lower limits are set out in the table on the following page.

Lower limits of intense Rainfalls for purposes of classification brought into use initially in "British Rainfall," 1936.

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

There is one entry in Table XIV, *viz.*, at Teignmouth for July 21st. In Table XV particulars are given of falls recorded in 1939 which reached at least the intensity "noteworthy." Unlike Table XIV, falls of longer duration than one hour are included, the upper limit being two hours. In general not more than one entry is made for the same shower for any station. The main entry gives the largest amount recorded with a mean intensity "noteworthy," "remarkable," or "very rare," as the case may be, an entry at the higher rate being in general preferred. In the case of entries ranking as "very rare" additional entries are occasionally included in italics under "noteworthy" and "remarkable," and in the case of "remarkable" entries under "noteworthy" also where such information is available. In Table XV additional information was available in only two cases. Unless the amount was ·43 inch or more, intense falls of less duration than five minutes are not included in the table, since in such cases the error is likely to be relatively large and such falls are not usually of practical importance. The entries are credited to the calendar day rather than the "rainfall day."

In accordance with practice the geographical distribution of the heavy falls of Table XV is given in the following summary. The analysis probably separates the areas of more frequent and intense falls from those relatively immune, although it cannot be expected to indicate the actual relative frequency of intense falls in each area.

Number of Noteworthy Rains of Two Hours' Duration or less.

		England and Wales.					Scotland.	Ireland.	British Isles.	Per cent. of all records.
		S.E.	S.W.	N.E.	N.W.	Total.				
1939	(a) ..	17	20	10	2	49	4	5	58	1.1
	(b) ..	8	0	3	0	11	0	1	12	.2
	Total ..	25	20	13	2	60	4	6	70	1.3
mean ...	1925-39	28	16	8	6	58	5	3	66	1.3

(a) Observations made without autographic rain-gauges.

(b) Readings of autographic gauges.

Most of the entries occur in south-east and south-west England. There are only four entries for Scotland and six for Ireland. The total number 70 compares with 73 in 1938, 86 in 1937 and 65 in 1936 and was four in excess of the mean for the years 1925 to 1939. Usually about 80 per cent. of the total number of intense falls occur in the three months, June, July and August. In 1939 as many as 59 of the 70 entries occurred in July or August. All but seven of the entries were confined to the periods July 15th to 21st, August 19th to 21st and September 2nd to 3rd. The total number of entries for northern England and Wales was 15, of which 13 related to the north-eastern division. This contrast between the numbers in the north-east and north-west is greatest since 1932, when there were 12 falls in the north-east out of a total for northern districts of 13.

The heavy falls in Table XV are confined to the period June 17th to September 3rd. Only one fall is on record for *June*, when on the 17th, 1.68 inch fell in a thunderstorm between 15h. 45m. and 18h., of which 1.53 inch fell in 105 minutes at Garvagh (Moneydig), Co. Londonderry. The rain commenced suddenly, but there was no hail, although three miles south-east of Garvagh, the hail was very heavy.

Of the 70 entries in Table XV the numbers in June, July, August and September were 1, 35, 24 and 10 respectively, so that half the total number occurred in *July*. There are entries for nine days in July, the 15th, 16th, 17th, 19th, 20th, 21st, 24th, 29th and 31st, as many as 12 occurring on the 21st, six on the 20th and five on the 16th (*see also* Section 7). The entry for the 15th at Troon, on the Ayrshire coast, of 2 inches in 50 minutes, ranks as "remarkable." Other falls on this day occurred at Bagnalstown (Fenagh House), ten miles to the south-west of Carlow, and at Brigg, Lincolnshire. On the 16th the entry for Brushford Nurseries, two miles south of Dulverton, of 2.49 inches in 90 minutes, ranks as "remarkable". The observer, Mr. G. Ruff, reports that the morning was dull and there was slight thunder and lightning about 11h. 30m., when the sound of rain came "roaring" through the wood. The storm lasted until 13h. when the rain was measured.

The storm appeared to be centred about Brushford, and was less severe at Dulverton. There was little rain at East Anstey, four miles west, at Oakford, four miles south, or at Exbridge, one mile south-east. The Rev. B. J. de Boe reports that at Brushford Rectory the rain was like a waterspout in intensity and caused flooding at the gate, so that a horse and cart had to be fetched to take luggage to the station in the afternoon as a motor-car could not get through. Other "remarkable" falls on the same day occurred as far apart as Holme-on-Spalding Moor, Yorks. E.R. (2·21 inches falling in just over one hour from 11h. 30m.) and Knutsford, between Northwich and Altrincham (1·70 inch between 14h. 50m. and 16h.). At Knutsford the storm was local, flooding occurred and lightning caused some damage in the district. At Hartford, in the same county, ·97 inch fell in 40 minutes, commencing at 15h. 5m., the roads soon becoming flooded. The thundery conditions continued at Hartford until the 24th, half-an-inch occurring on the 19th, 20th and 21st. Thunderstorms occurred almost daily from the 14th to 21st at Rotherham, that of the 16th being most remarkable, when 1·44 inch fell in 90 minutes. On the 17th heavy falls were recorded at Kilminster Rectory, Wiltshire, and at Catterick, Yorks. N.R. There are three entries for the 19th at Sherborne Castle, Dorset, at Linkenholt Manor, Hampshire and Tredegar, Monmouth. At Linkenholt ·90 inch fell between 13h. and 13h. 30m.

The Rhondda Valley experienced a severe storm on the 19th which may have been of "very rare" intensity. Mr. E. Taylor, Engineer and Surveyor to Rhondda U.D.C. has sent the following details :—"The rainstorm in the Trehafod area was a very severe one and conditions were worse than I have ever known there. I estimate that about 4·4 inches of rain fell between 15h. 10m. and 17h. 10m. (but this estimate is not included in Table XV or in Section 7). The area of heavy rain extended from the Glynfach area of Porth to the upper part of Pontypridd, including the Maritime Colliery at Pontypridd where considerable trouble was experienced with their reservoir embankment owing to excessive rainfall. The storm did not extend as far as Llantrisant Town, and the damage at Tonyrefail was negligible, whilst at Porth Park only 1·43 inch fell in twenty-four hours, of which 1·26 inch was recorded between 9 a.m. and 9 p.m. Porth Park is within about a mile of the storm centre, which shows that the storm was very highly localised. On the opposite side of the Valley from Trehafod and Porth the rainfall was less than half that experienced at Trehafod."

At Crowle, near Worcester, several trees were struck by lightning within half-a-mile. It is reported that 1·95 inch fell roughly between 18h. 15m. and 20h. 15m. and that three miles to the south-east there was no rain at all.

Of the six entries for the 20th those at Chipping Campden, Gosberton, Thirsk and Dewsbury rank as "remarkable". At Chipping Campden (Leysbourne) 2 inches fell between 17h. and 19h. The drains became blocked by silt and many houses flooded; in some cases the water ran in one door and out of another. The storm was local, the Director of the Research Station, one mile from Campden reports only .82 inch for the day. At Llansaintfraed-in-Elvel, near Builth Wells, .97 inch fell between 16h. 40m. and 17h. 2m. At Gosberton (near Spalding) Mr. Cecil Robinson writes that he recorded 2.01 inches in 65 minutes, the storm extending about two miles from north to south, and three miles from west to east and in this area large hailstones caused a great deal of damage to flowers and vegetables. Three of the six entries are for stations in Yorkshire. At Dewsbury 1.60 inch fell between 14h. 15m. and 15h. 10m. At Heckmondwike, six miles to the west of Dewsbury, 1.33 inch, out of a total for the day of 2.09 inches, fell between 13h. 30m. and 15h. Mr. T. Gough reports that there was thunder and lightning with heavy rain and hail, that further down the valley to the east drains were choked and manhole covers forced up but that the flow of the rivers Spen and Calder remained normal. Mr. B. Foggitt writes:—"At 17h. a violent thunderstorm broke over Thirsk and district. The lightning was vivid and the rain exceptionally heavy; the drive at South Villa being flooded to a depth of several inches. The storm lasted until 18h. 30m. when a fall of 2.46 inches was measured. As a result of the downpour, a neighbouring stream burst its banks and the roads nearby were flooded, holding up the traffic for some time. The storm appeared to follow a course from S.E. over Kilburn, Bagby and Thirsk, and then on to Ripon and Harrogate. Additional falls for the day were 3.27 inches at Thirsk W.W.; 3.21 inches at the National School and 2.49 inches at Thirsk Hall" (these values are not included in Section 7 as a full return has not been received). Only three miles from Thirsk there was very little rain.

Of the twelve entries for July 21st those at Teignmouth (Den Gardens) and Chalfont St. Giles rank as "remarkable," and that at Teignmouth (Woodlands) as "very rare." At Chertsey 1.19 inch fell between 12h. and 13h. 15m. and the lightning affected the electricity supply, traffic lights and fire alarm systems. The storms in the Midlands are represented by entries at Chalfont St. Giles (Bucks.), Oakington (Cambridge), Blisworth (Northants), and Ruddington Notts.). At Chalfont St. Giles there were two periods of heavy rain between 14h. 30m. and 16h. when 1.75 inch fell; between 14h. 30m. and 15h. 10m. there was 1.01 inch. Mr. A. H. V. Bloom reports that at Oakington rain began to fall at about 13h. 30m. and about 1.50 inch had fallen by 14h. 30m. and 1.75 inch by 15h. 15m. Parts of the roads and all the low places were under water and the various drains and ditches were quite inadequate, although the only damage

caused was from surface water. No rain fell in villages to the south-east and north only $1\frac{1}{2}$ to 2 miles away, but in Oakington the rain was the heaviest within local memory. The Engineer to the Grand Union Canal states that at Blisworth 1·68 inch fell between 10h. and 12h. and that while motoring between Stoke Bruerne and Northampton the engine of his car was stopped by the penetration of rain. At Ruddington, about four miles south of Nottingham, ·80 inch fell between 14h. 30m. and 14h. 45m. There are entries for the 21st in the south-west of England at Westbury, Midsomer Norton and Teignmouth. At Westbury, five miles south of Trowbridge, a thunderstorm gave 1·52 inch of which ·92 inch fell in 30 minutes. At Midsomer Norton, ten miles south-west of Bath, 1·04 inch occurred between 15h. 5m. and 15h. 40m. Major T. B. Harris writes that at Teignmouth (Woodlands) rain began at 13h. 40m. and lasted until 14h. 45m. During this time the amount varied from 2·46 inches to 1·82 inch. The heaviest fall occurred on the slopes of Haldon, about $1\frac{1}{2}$ miles north-west of the town. Many roads became rivers and the lower part of the town became flooded to a depth of 2 to 3 feet. At the railway station water rose to within an inch or two of the platform. Fortunately the tide was low, otherwise the flooding would have been more serious. The rain was very local. Newton Abbots, six miles west had none, and Dawlish, three miles north-east, very little. This fall qualifies for inclusion as "very rare," but in other parts of the town the storm was less severe. The Medical Officer of Health reports that at Den Gardens, the fall was only 1·82 inch and lasted from 13h. 30m. to 15h. At Hoarwithy-on-Wye, four miles north-west of Ross, Mr. H. Satchell recorded 2·34 inches in 90 minutes (this entry is not included in Table XV because a full daily return has not been received.). The storm lasted from 16h. to 17h. 30m. and was regarded as the worst in living memory. A sluggish brook rose above its banks and flooded the immediate surroundings to a depth of some feet. A farmer had to wade up to his breast when driving his frightened cattle to drier ground or sheds. At Ross-on-Wye only ·85 inch fell but Mr. F. J. Parsons noted that an exceptionally heavy storm was apparently raging to the north-west. Entries are given for two stations in Glamorgan, *viz.*, Merthyr Tydfil and Llandaff. At Merthyr Tydfil the storm began as a moderate rainstorm at 13h. 45m. and rapidly increased in intensity. Torrential rain fell for an hour and thirty-five minutes giving 1·48 inch. Thunder and lightning accompanied the storm, while the wind was light from the south the whole time. Scores of houses in the borough were extensively flooded, while a motor pump was called to the assistance of houses situated at the lower end of the town. At Llandaff the thunderstorm gave 1·57 inch between 12h. 30m. and 14h. 15m., most of it falling between 12h. 30m. and 13h. 15m. The storm was local, the total for the day at Pen-y-lan, about three miles east, being only ·22 inch. For the 24th

there are two entries for stations near the Wash, *viz.*, at Grimston and Wisbech.

Of the 24 entries for *August* 17 are for the 21st and 4 for the 20th. On the 5th 1·62 inch fell between 14h. and 15h. 30m. at Grantham. On the 19th at Launceston 1·55 inch fell, most of it in less than an hour. On the same day Miss L. Awdry writes from Southampton (Manor Road) that there was a sudden storm between 11h. 10m. and 11h. 50m. and the *Salisbury and Winchester Journal* reports that during a freak storm ·77 inch fell in half an hour, the streets being flooded and traffic stopped (although no further details are available). Two of the four entries for the 20th rank as "remarkable" and all, apart from that at South Brent, refer to the thunderstorm near Blandford (*see* Section 7). At South Brent ·98 inch fell between 13h. 30m. and 14h. 30m. The Rev. G. A. K. Hervey has sent the following details of the storm at Bryanston School:—"It was a most unusually heavy thunderstorm, 4·66 inches falling in just over six hours. This exceeded the total rainfall for five months, February to June, in 1938. It was the result of a complicated series of storms following each other in quick succession, which flooded the roads, tore up foot-paths, and killed one man by lightning on the Downs. There was a slight storm on the 19th at 11h. 30m., ·09 inch being recorded at 12h. 15m. Distant storms were heard all through the morning and early afternoon of the 20th but no rain occurred. The first storm to reach us burst at 16h. 20m. and in the next two hours up till 18h. 20m. 2·64 inches fell. At 17h. 40m. the storm was overhead and hail fell the size of large peas. There was a slight lull for ten minutes with no rain falling, and the next storm started at 18h. 30m. In the next three hours up till 21h. 30m. 1·88 inch fell. It was overhead at 18h. 45m. but there was no hail. There was a lull for 15 minutes without rain. A less severe storm followed at 21h. 45m. lasting until 22h. 30m. during which period another ·14 inch fell. This made a total of 4·66 inches, between 16h. 20m. and 22h. 30m. Less than 20 miles away on the coast no rain whatever fell during the whole day." At Bryanston Gardens 2·33 inches fell between 16h. 30m. and 19h. 20m. and 1·70 inch between 19h. 20m. and 21h. 20m.; a further ·49 inch fell by 10h. on the 21st, making a total of 4·52 inches for the day. At King's Road the total for the day was 4·02 inches, of which over 2·50 inches fell between 16h. 30m. and 18h. 30m. Two other reports are available, although no corresponding entries are included in Table XV. Mr. E. Westcott notes that at Whitecliff Street, Blandford, rain commenced at 17h. and by 19h. 2·50 inches had fallen, the total for the day being 4·09 inches. At Iwerne Minster (Preston House), six miles to the north-west of Blandford, 2·05 inches were recorded between 15h. 15m. and 17h. 45m.

Of the 17 entries for the 21st 12 are for stations near London, either in the outskirts to the south-west or at Finchley. The remaining stations are further west at Guildford, Frimley Green,

Wheatley (Oxford), Ottery St. Mary and Frome, with one isolated fall near Leyburn, Yorkshire. The falls at Finchley, Carshalton, Sutton, Ealing, Wheatley and Ottery St. Mary, rank as "remarkable" and that at Frome as "very rare", although since the duration was 75 minutes it does not qualify for inclusion in Table XIV. At Leyburn the storm commenced at 9h. and .83 inch fell in 35 minutes, the roads being flooded for a time in many places. The storm at Frome occurred in the evening. Many shops were flooded to a considerable depth and sewage swept up out of the sewers. No rain fell at Berkley, two miles from Frome. At Ottery St. Mary, about six miles north of Sidmouth, there were thunderstorms to the west and east throughout the 20th, which culminated in a severe storm between 0h. and 1h., accompanied by continuous thunder and lightning. At Wheatley, five miles east of Oxford, the storm occurred between 16h. and 17h. 30m. and was characterized by large hailstones, the amount being 2.45 inches. Of the thunderstorms at Frimley Green and Guildford further details are available only for Guildford, where 1.58 inch fell in 90 minutes from 14h. 50m. The rain was torrential and accompanied by hailstones the size of marbles, a great deal of damage being caused to fruit trees. Five entries are given from the autographic records maintained by the Surrey County Council, *viz.*, at Sutton, East Sheen, Worcester Park, Old Malden and New Malden. An additional record is available for Carshalton and also at Sutton, where Mrs. A. Carter reports that the storm started at 15h. 30m., the rain and hail were very heavy and 2.20 inches were measured by 16h. 45m., although possibly some of the hail escaped measurement. Streets were flooded, houses struck by lightning and flowers flattened out. The Rev. A. H. Cooper writes from Ealing that during the thunderstorm 1.95 inch fell almost entirely between 15h. and 17h., over 1 inch occurring in half an hour. The hailstones were between $\frac{1}{4}$ and $\frac{3}{8}$ inch in diameter. Several basements and ground floors were flooded to a depth of 6 inches or more and business was interfered with in some of the shops. At Ilford a sudden thunderstorm gave a fall of .85 inch in 30 minutes. A number of people sought shelter in a corrugated iron hut, which was struck by lightning, seven being killed and nineteen injured. At Finchley (Victoria Park) 1.81 inch fell in 40 minutes between 15h. and 16h. One mile away, a recording gauge gave 1.15 inch in the same time. Brilliant lightning occurred; houses and roads were flooded; traffic was brought to a standstill and hundreds of wood blocks were displaced in the worst storm for years.

The entries for *September* were confined to the 2nd and 3rd, each day giving five entries in Table XV. The entries for the 2nd all refer to England and Guernsey, while those of the 3rd are from Northern Ireland and Scotland. At Downham Market, ten miles south of King's Lynn, the storm started at 1h. 45m. and gave 1 inch in 45 minutes. The lightning was very vivid and almost continuous.

Another storm, but less violent, occurred on the following night with a fall of $\cdot 55$ inch. At Horncastle, 20 miles east of Lincoln, $1\cdot 31$ inch out of a total of $1\cdot 36$ inch for the day fell between 14h. 30m. and 16h. At Culmstock, about eight miles to the south-west of Taunton, $\cdot 90$ inch fell between 19h. 20m. and 20h. At Vale (Guernsey) the fall of $1\cdot 60$ inch in 60 minutes ranks as "remarkable." Rain fell for the best part of an hour between 17h. 30m. and 18h. 30m. It fell like a sheet and at times a cottage 20 ft. away could not be seen. A newly-gravelled path on a slight incline was cleared of gravel and washed some 70 yards down the roadway running at right angles to the path.

On the 3rd, there was a "very rare" fall at Randalstown (Hollybrook), five miles north-west of Antrim. Mr. N. F. Webb has sent the following description :—"The total fall was $2\cdot 81$ inches in the 75 minutes between 12h. and 13h. 15m. The storm, which was local, was characterized by exceptional darkness. At one time the sky was black everywhere except just around the horizon. The rain was heavier than had ever been recorded here previously and there was no wind. A stream, which had not previously overflowed within living memory, burst its banks, flooding part of the linen works and causing much damage to stock." At Aldergrove there was a fall of $\cdot 98$ inch in 36 minutes and at Waringstown (The Forge) in Co. Down $1\cdot 27$ inch fell in 60 minutes. The following details were sent by Mr. W. J. Gibson :—"The morning of the 3rd was dull with a pall of purple gloom to the south-west. By 9h. 30m. motor vehicles had to use headlights and at 9h. 45m. thunder and lightning commenced. At 10h. 10m. the rain commenced and fell in a solid sheet, the roads soon becoming running torrents. By 10h. 40m. the sky was lighter and the thunder was further away ; the rain finally ceased at 11h. 10m. when a measurement of $1\cdot 27$ inch was made."

There were two noteworthy falls in Argyllshire. At Strachur (Glenbranter) $1\cdot 76$ inch fell in 120 minutes, causing many landslides. At Dunoon (Benmore Forest School) there was $1\cdot 64$ inch between 14h. and 16h. Mr. H. Watson writes :—"As a result of this storm there were, on both sides of Loch Eck, over twenty landslides. They blocked up the water way and the culverts and small bridges on the road were soon full up. On the main Dunoon to Glasgow road at Loch Eck there were five huge deposits of debris. One near Coylet was estimated to contain 300 tons of boulders and gravel. It took a mechanical excavator about a fortnight to clear a traffic way through these dumps. Many of the boulders were so large that they had to be blasted. In the middle of October the digger was still working trying to clear the culverts. The River Echaig usually runs crystal clear, but for a month the water was dark brown. The Loch was also coloured brown. Dead fish of all sizes were seen by the river keepers."

Table XIV.—*Rainfalls of Very Rare Intensity lasting for One Hour or less.**

Year.	Date.	Div.	Station.	Amount	Duration	Rate per Hour
1939	July 21	V	Teignmouth (Woodlands)	in. 2·38	H. M. 1 0	in. 2·38

* The list of all entries up to 1938 is given in *British Rainfall*, 1938, p. 53.

Table XV.—*Heavy Falls in Short Periods in 1939.*

County and River Division.	Station.	Date.	Amount.	Duration.	Rate per Hour.
(a) EYE OBSERVATIONS			in.	min.	in.
Norfolk .....4	Grimston (School House).....	July 24	·63	12	3·15
Notts. ....2	Ruddington (Westlands)	July 21	·80	15	3·20
Dorset .....1	Sherborne Castle	July 19	·65	15	2·60
Radnor .....1	Llansaintfraed-in-Elvel	July 20	·97	22	2·65
Wilts. ....2	Kilminster Rectory	July 17	·76	22	2·07
Wilts. ....1	Westbury (Braemar)	July 21	·92	30	1·84
Hants.....4	Linkenholt Manor	July 19	·90	30	1·80
Somerset.....1	Midsomer Norton U.D.C.....	July 21	1·04	35	1·78
Monmouth 2	Tredegar Laboratory	July 19	·98	35	1·68
Yorks. N.R. 1	Leyburn (Spennithorne)	Aug. 21	·83	35	1·42
Middlesex ...2	Finchley (Victoria Park) ...	Aug. 21	1·81	40	2·71*
Northants. 4	Blisworth (Crieff House) ...	July 21	1·07	40	1·61
S. Devon ...6	Culmstock (The Knap).....	Sept. 2	·90	40	1·35
Cheshire ....2	Hartford (Hollybank)	July 16	·97	40	1·45
Norfolk .....4	Downham Market	Sept. 2	1·00	45	1·33
Ayr .....3	Troon	July 15	2·00	50	2·40*
S. Devon ...5	Teignmouth (Woodlands) ...	July 21	2·38	60	2·38†
Yorks. E.R. 3	Holme-on-Spalding Moor ...	July 16	2·21	60	2·21*
Surrey.....4	Carshalton Park Road	Aug. 21	1·63	60	1·63*
Guernsey ...	Vale (La Turquoie Hill)	Sept. 2	1·60	60	1·60*
S. Devon ...7	Ottery St. Mary (Broad Oak)	Aug. 21	1·50	60	1·50*
Lincs. ....5	Brigg (Wrawby Road)	July 15	1·50	60	1·50*
Cornwall ...3	Launceston (Hexworthy) ...	Aug. 19	1·40	60	1·40
Down .....5	Waringstown (The Forge) ...	Sept. 3	1·27	60	1·27
Surrey.....8	Frimley Green (Ridgemount)	Aug. 21	1·05	60	1·05
Clackmannan1	Tillicoultry (Westbourne) ...	Aug. 27	1·05	60	1·05
Cambs. ....3	Wisbech (York Row)	July 24	1·02	60	1·02
S. Devon ...3	South Brent (Brent Moor) ...	Aug. 20	·98	60	·98
Lincs. ....2	Gosberton (Quadring)	July 20	2·01	65	1·86*
Cheshire ....1	Knutsford (Hazelfield)	July 16	1·70	70	1·46*
Antrim .....5	Randalstown (Hollybrook) ...	Sept. 3	2·81	75	2·25†
Somerset ...1	Frome W.W. (Egford)	Aug. 21	2·47	75	1·98†
Surrey.....5	Sutton (Mulgrave Road)	Aug. 21	2·20	75	1·76*
Surrey.....7	Chertsey	July 21	1·19	75	·95
Somerset ...5	Brushford Nurseries	July 16	2·49	90	1·66*
Yorks. N.R. 2	Thirsk (South Villa)	July 20	2·46	90	1·64*

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

Table XV.—*Heavy Falls in Short Periods in 1939—(con.).*

County and River Division.	Station.	Date.	Amount.	Duration.	Rate per Hour.
(a) EYE OBSERVATIONS—(con.).					
			in.	min.	in.
Oxford 4	Wheatley (Holton Park)	Aug. 21	2.45	90	1.63*
Carlów 2	Bagnalstown (Fenagh House)	July 15	2.09	90	1.39*
S. Devon ... 5	Teignmouth (Den Gardens)	July 21	1.82	90	1.21*
Bucks. 4	Chalfont St. Giles (Colony) ...	July 21	1.75	90	1.17*
Lincs. 3	Grantham (Central School) ...	Aug. 5	1.62	90	1.08
Surrey..... 6	Guildford (Wood Street)	Aug. 21	1.58	90	1.05
Yorks. W.R. 7	Rotherham (Broom Lane) ...	July 16	1.44	90	.96
Yorks. W.R. 8	Heckmondwike (The Bottoms)	July 20	1.33	90	.89
Lincs. 3	Horncastle	Sept. 2	1.31	90	.87
Glamorgan... 6	Merthyr Tydfil (Hanover St.)	July 21	1.48	95	.93
Cambs. 2	Oakington	July 21	1.75	105	1.00
Glamorgan... 3	Llandaff (Pwllmelyn Road.)	July 21	1.57	105	.90
Londonderry 3	Garvagh (Moneydig)	June 17	1.53	105	.87
Dorset..... 4	Blandford (Bryanston Sch.)...	Aug. 20	2.64	120	1.32*
Dorset..... 4	Blandford (King's Rd.)	Aug. 20	2.50	120	1.25*
Gloucester ... 4	Chipping Campden (Leysb'ne)	July 20	2.00	120	1.00*
Middlesex ... 1	Ealing (St. Paul's Vicarage)...	Aug. 21	1.95	120	.97*
Argyll 12	Strachur (Glenbranter)	Sept. 3	1.76	120	.83
Dorset..... 4	Blandford (Bryanston Gdns.)	Aug. 20	1.70	120	.85
Northants.... 4	Blisworth (Grand Junc. Canal)	July 21	1.68	120	.84
Aberdeen ... 1	Drumoak (Drum Castle) ...	July 31	1.67	120	.83
Argyll 12	Dunoon (Benmore Forest Sch.)	Sept. 3	1.64	120	.82
Middlesex ... 1	Ealing (St. Paul's Vicarage)	Aug. 21	1.00	30	2.00
Bucks. 4	Chalfont St. Giles (Colony) ...	July 21	1.01	40	1.51
(b) AUTOGRAPHIC RECORDS					
Surrey..... 5	Worcester Park (Sewage Wks.)	Aug. 21	1.00	18	3.33
Suffolk 5	Mildenhall Aerodrome	Sept. 2	.83	27	1.84
Surrey..... 5	Sutton (Sewage Wks.)	Aug. 21	1.00	30	2.00
Surrey..... 5	Old Malden (Sports Ground)	Aug. 21	1.00	30	2.00
Essex 2	Ilford (Valentino's Park) ...	Aug. 21	.85	30	1.70
Antrim 5	Aldergrove (Aerodrome)	Sept. 3	.98	36	1.63
Surrey..... 5	East Sheen Cometary	Aug. 21	1.00	37	1.62
Middlesex ... 2	Finchley (Sewage Wks.)	Aug. 21	1.15	40	1.73
Yorks. N.R. 2	Catterick (Aerodrome)	July 17	.98	48	1.23
Surrey..... 5	New Malden (Kingston Vale)	Aug. 21	1.00	54	1.11
Yorks. W.R. 8	Dewsbury (Municipal Offices)	July 20	1.60	55	1.75*
Derby 1	Taxal (Oldfield)	July 29	1.17	100	.70

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

Table XVI.—*Number of Days on which specified amounts of Rain fell in specified times during 1939.*

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			
		5 mins.	15 mins.	30 mins.	1 hr.	2 hrs.	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	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	4
Surrey	Croydon	0	0	0	2	7	0	0	0	7	0	0	0	1	0	0	0	5
"	Kew Obsy.	0	2	2	4	6	0	1	0	4	0	0	0	1	0	0	0	2
Kent	Lympne	0	0	2	3	5	0	1	1	6	0	0	1	1	0	0	1	7
"	Manston	0	1	1	3	6	0	1	1	6	0	0	1	1	0	0	1	7
Hants.	Calshot	0	0	2	4	5	0	2	3	5	0	0	1	1	0	0	1	6
"	S. Farnborough	0	0	0	2	5	0	0	1	3	0	0	0	0	0	0	0	3
Oxford	Upper Heyford	0	0	1	1	3	0	0	2	4	0	1	1	2	0	0	1	3
Suffolk	Mildenhall	0	2	3	4	4	1	2	3	4	1	2	2	4	0	0	1	4
Wilts.	Boscombe Down	0	1	1	1	3	0	1	1	3	0	0	1	1	0	0	0	2
Devon	Mount Batten	0	1	1	2	6	0	0	3	6	0	0	0	2	0	0	1	3
Lincoln	Cranwell	0	0	1	3	3	0	0	1	4	0	0	0	1	0	0	0	2
Lancashire	Barton	0	1	2	4	6	0	1	3	7	0	1	1	2	0	0	1	5
"	Southport	0	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0	0
N.R. Yorks.	Catterick	0	1	1	3	5	0	1	3	4	0	1	1	2	1	1	1	1
Flint	Sealand	0	0	0	1	2	0	0	0	3	0	0	0	1	0	0	0	3
Anglesey	Holyhead	0	1	1	1	4	0	0	0	4	0	0	0	0	0	0	0	0
Dumfries	Eskdalemuir Obsy.	0	0	0	0	5	0	0	1	6	0	0	0	3	0	0	1	15
Ayr	Kilmarnock	0	1	1	1	2	0	0	0	3	0	0	0	0	0	0	0	3
Renfrew	Abbotsinch	0	0	0	0	2	0	0	0	2	0	0	0	1	0	0	0	3
Fife	Leuchars	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	2
Aberdeen	Aberdeen Obsy.	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	2
"	Balmoral Castle	0	0	0	1	2	0	0	0	1	0	0	0	0	0	0	1	4
Shetland	Lerwick	0	0	0	1	2	0	0	1	1	0	0	0	1	0	0	0	2
Co. Kerry	Valentia Obsy.	0	0	0	4	9	0	0	2	11	0	0	0	3	0	0	0	9
Co. Armagh	Armagh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Co. Antrim	Aldergrove	0	1	2	3	5	0	1	2	2	1	1	1	1	1	1	1	1

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 similarly with the entries under headings 15 mm. (0.6 inch), 20 mm. (0.8 inch) and 25 mm. (1.0 inch).

7. HEAVY FALLS ON RAINFALL DAYS IN 1939.

The daily measurements of rain which are set out in this Section are (a) those of falls of 2·5 inches or more in the rainfall day, and (b) those of falls which amount to at least 7·5 per cent. of the total recorded for the year 1939.¹ A fall of 2½ inches in a day at any station is sufficiently remarkable to be noticed, but as such heavy falls are more frequent in the normally wet areas of mountain districts than elsewhere, the criterion of 7½ per cent. was introduced to admit certain falls of less than 2½ inches in areas where the total rainfall for the year is less than 33·3 inches. In this way daily falls which are heavy in relation to the local standard are not neglected.

A summary of the information given in this section in each of the seventy volumes of *British Rainfall* from 1865 to 1934 was set out in an article in Part IV of *British Rainfall*, 1934. A complete list of the absolute maximum daily rainfall and the absolute maximum daily percentage reported for each year from 1865 to 1934 was also given in this special article.

The corresponding values for 1935 to 1939 are given below.

Table XVII.—*Maximum Daily Fall and Maximum Percentage.*

Year.	ABSOLUTE HIGHEST RAINFALL.				ABSOLUTE HIGHEST PERCENTAGE.				Year.
	Depth.	Per cent.	Station.	Div.	Per cent.	Depth.	Station.	Div.	
	in.					in.			
1935..	6·16	5·7	New Dungeon Ghyll	x	12·2	4·83	Batheaston Reservoir	v	1935
1936..	5·80	..	Glen Shiel	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	x	15·4	5·61	Torquay	v	1938
			(Hassness)				(Abbey Park)		
1939..	5·08	4·8	Blaenau Festiniog	xi	11·8	4·01	Milford Waterworks	vi	1939
			(Slate Q.)						

The maximum daily amount for 1939 of 5·08 inches and the maximum percentage for 1939, *viz.*, 11·8 are not remarkable.

Particulars of the eight largest falls of the year 1939 are given in Table XVIII. The table shows also the year's total at each of the stations and the percentage of that total which is accounted for by the highest daily fall. There were 21 falls reaching or exceeding 4·00 inches and 8 falls reaching or exceeding 4·50 inches. The total number of falls reaching or exceeding 2·50 inches was 284 and reaching or exceeding 3·00 inches 114. The number of falls reaching or exceeding 3·00 and 4·00 inches in 1939 closely approximated to the mean values for the years 1915-1924 (*see British Rainfall*, 1934, p. 269).

Table XVIII.—*The largest Daily Rainfalls in 1939.*

Date.	Div.	Station.	Depth.	Per cent. of Year.	Total for Year.
			in.	%	in.
No. 25	XI	Blaenau Festiniog (Slate Q.)	5.08	4.8	104.97
Feb. 10	XVIII	Loch Quoich (Kinlochquoich) ...	5.05	4.6	110.35
July 6	XI	Rhondda W.W. (Llyn Fawr Res.)	4.90	4.5	109.16
Nov. 25	XI	Blaenau Festiniog (Llechwedd Q.)	4.77	4.4	108.02
Nov. 25	XI	Rhondda W.W. (Llyn Fawr Res.)	4.73	4.3	109.16
Aug. 20	V	Blandford (Bryanston School) ...	4.66	10.1	46.02
Aug. 20	V	Blandford (Bryanston Gdns.) ...	4.52	10.3	44.01
Nov. 25	X	Middlefell Farm	4.50	3.9	116.19

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.

Although *January* was unusually wet (*see* Section 8) the heavy falls recorded in this section were not remarkable. Those of the 7th, 8th and 14th occurred mainly at the normally wet stations in the English Lake District. The total for the 7th and 8th at Watendlath Farm amounted to 5.57 inches.

January 7th

<i>Cumberland.</i>	in.	or	%	<i>Westmorland (contd.).</i>	in.	or	%
Borrowdale (The Moraine)	2.95		2.7	Grasmere (Huntingstile) ..	2.54		2.7
Watendlath Farm	2.76		2.8	Kentmere Head Res.....	2.70		2.6
<i>Westmorland.</i>				<i>Ross and Cromarty.</i>			
Middlefell Farm	3.32		2.9	Glenshiel (Kyle)	3.05		2.6

January 8th

<i>Cumberland.</i>	in.	or	%	<i>Westmorland (contd.).</i>	in.	or	%
Borrowdale (The Moraine)	2.50		2.3	Grasmere (The Wray)....	2.59		2.7
Watendlath Farm	2.81		2.9	Kentmere Head Res.....	2.75		2.7
Grange (Bield)	2.69		3.0	Sedbergh (Northwaite)...	3.00		..
<i>Westmorland.</i>				<i>Carnarvon.</i>			
Hawes Water (Burn Banks)	2.66		3.7	Snowdon (Cwm Dyli) ..	2.65		2.1

January 14th

<i>Cumberland.</i>	in.	or	%	<i>Argyll.</i>	in.	or	%
Watendlath Farm	2.64		2.7	Lochgoilhead (Nuthill) ..	2.55		3.6
Grange (Bield)	2.69		3.0	<i>Down.</i>			
				Mourne Mts. (Fofanny Res.)	3.06		4.3

Heavy rain occurred in parts of the south-east of England for the 25th. Falls of one inch or more were confined to the south-east of a line drawn roughly from Brecon to Lincoln. There was more than 1·5 inch over a broad belt from Arundel to Canterbury and over most of Essex, Suffolk and Norfolk. More than 2 inches occurred near Colchester, Sudbury and Ipswich. At Ipswich hail and sleet commenced at 9h. 15m. on the 25th and the precipitation was continuous and heavy all day, persisting until 11h. 30m. on the 26th and accompanied by strong gusts. The observer at Copdock reports that the floods near Ipswich on the 26th and 27th were the worst experienced in the 38 years he has lived there. The *Manchester Guardian* of January 31st reported that the number of houses flooded in the region was 2,000 and well over 3,000 families had been affected.

January 25th

<i>Suffolk.</i>	<i>in.</i>	<i>or</i>	<i>%</i>	<i>Suffolk (contd.).</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Great Cornard (Brook H.)	2·31		7·7	Hadleigh (Penlands)	2·50		7·1

The flooding which occurred in many parts of England during January was due to frequent and persistent rains rather than any daily falls of unusually large amount.

February gave only a few falls qualifying for inclusion in this section. As much as 7·90 inches occurred at Kinlochquoich for the 9th and 10th and 8·47 inches at Borrowdale (The Moraine) for the five days 5th to 9th. On the 10th rain was confined mainly to mountainous districts. The amounts exceeded 1 inch only near Snowdon and over an area from Ben Nevis to Skye. The areas with more than 2 inches were small and confined to the mountainous region above Loch Quoich and around Ben Nevis. No rain at all was recorded over much of the east of Scotland, although as much as 5·05 inches occurred at Kinlochquoich.

February 7th

Devonshire.—South Brent (Brent Moor).....2·66 *in.* or 2·7 per cent.

February 8th

<i>Cumberland.</i>	<i>in.</i>	<i>or</i>	<i>%</i>	<i>Cumberland (contd.).</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Borrowdale (The Moraine)	3·64		3·3	Grange (Bield)	3·03		3·3
Watendlath Farm	3·25		3·3				

February 9th

<i>Inverness.</i>	<i>in.</i>	<i>or</i>	<i>%</i>	<i>Ross and Cromarty.</i>	<i>in.</i>	<i>or</i>	<i>%</i>
L. Quoich (Kinlochquoich)	2·85		2·6	Glenshiel (Kyle)	3·05		2·6

February 10th

Inverness.—Loch Quoich (Kinlochquoich)5·05 *in.* or 4·6 per cent.

February 20th

Mayo.—Aasleagh House 2·93 in. or 2·9 per cent.

February 21st

Ayr.—Tunskeen 2·78 in. or 3·9 per cent.

Heavy falls in *March* were confined to the 1st and 7th. On the 1st falls exceeding 1 inch occurred in the English Lake District and Snowdonia and locally there were falls of more than 2 inches.

March 1st

<i>Cumberland.</i>	<i>in.</i>	<i>or</i>	<i>%</i>	<i>Carnarvon.</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Borrowdale (The Moraine)	2·95		2·7	Snowdon (Llydaw Intake)	2·90		1·9
Grange (Bield)	2·61		2·9				
Ulpha	2·94		3·8				

March 7th

<i>Kirkcudbright.</i>	<i>in.</i>	<i>or</i>	<i>%</i>	<i>Kirkcudbright (contd.).</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Carsphairn (Shiel)	2·58		3·7	Carsphairn (Lorg)	2·95		3·7

There were no heavy falls qualifying for inclusion in this section between March 7th and June 15th. The distribution of the rain of *April* 30th calls for comment in that there was an area with more than 1 inch extending over much of the valley of the upper Thames and upper Bristol Avon and including the Mendips, Cotswolds, White Horse Hills and southern Chilterns. The totals in this area were generally between 1 and 1·5 inch. The rain was associated with a depression over central Europe and some rain occurred over most of the southern half of England and Wales, although practically no rain occurred over Scotland. At both Croydon and Camden Square (London) the rain was reported as continuous throughout the day.

From the 14th to 16th *May* depressions moved south-east over the North Sea and some rain fell at most stations in England and Wales on the 16th. Falls exceeding 1 inch were confined, however, to the Yorkshire Wolds and North Yorkshire Moors. At Glaisdale and Danby (Botton Hall) the amounts were 1·88 and 1·92 inch and May 16th was the wettest day of the year in that area. The amounts recorded on the 15th in the extreme south-east of England were heavier than on the 16th and at Goudhurst, to the south of Maidstone, the amount was 1·79 inch.

A trough of low pressure moved east across the country from *June* 14th to 16th and some rain was recorded for the 15th at most stations in England and Wales. Amounts exceeding one inch were confined to Dartmoor, from the Mendips to the coast of Dorset, Snowdonia and the English Lake District. The totals for the 14th to 15th were 3·48 and 2·42 inches at Blaenau Festiniog (Oakeley Quarries) and Borrowdale (The Moraine).

June 15th

<i>Devonshire.</i>	<i>in.</i>	<i>or</i>	<i>%</i>	<i>Brecon.</i>	<i>in.</i>	<i>or</i>	<i>%</i>
S. Brent (Brent Moor)	2·62		2·7	Cardiff W.W. (Storey Arms)	2·61		2·7
				Neuadd Res. No. 1A	2·67		2·6
				Neuadd Res. No. IIA	2·62		2·7

A complex depression, moving eastwards over the country, was accompanied by local rains between the 17th and 19th, which were heavy and persistent in Yorkshire on the 19th, with 1·83 inch at Bridlington and 1·65 inch at Spurn Head. At Bridlington 2·54 inches fell in the 40 hours from 17h. on the 28th to 9h. on the 20th and many fields, etc., were flooded.

Heavy falls occurred during *July* on as many as ten days, but they were representative of large areas only on the 6th, 12th and 28th. A complex depression situated to the west of Ireland on the 4th moved very slowly in a north-easterly direction becoming centred over north-east Scotland on the 9th; associated secondary depressions brought rain to all districts of the British Isles. For the 6th falls of 1 inch were confined mainly to Wales, Dartmoor, the Cotswolds and areas in north Devon and Dorset. Amounts exceeding 2 inches occurred in Dartmoor, South Wales and Snowdonia, with as much as 4·90 inches at Rhondda W.W. (Llyn Fawr Res.). At some stations July 6th was the wettest day of the year but in South Wales the amounts were exceeded on November 25th. At Llyn Fawr Reservoir the total for the four days July 5th to 8th reached 10·53 inches.

July 6th

<i>Devonshire.</i>	<i>in.</i>	<i>or</i>	<i>%</i>	<i>Glamorgan (contd.).</i>	<i>in.</i>	<i>or</i>	<i>%</i>
S. Brent (Millswood)	2·56		3·6	Rhondda (Castell Nos Res.)	3·81		4·0
S. Brent (Brent Moor)	3·06		3·1	Rhondda (Lluest Wen Fil.)	3·49		3·8
Holne (Church Park Cot.) . .	2·86		3·8	Rhondda (Lluest Wen Res.)	3·75		3·7
Princetown (H.M. Prison) . .	2·79		3·0	<i>Carmarthen.</i>			
<i>Glamorgan.</i>				Llyn-y-fan Fach (Nant C.) .	2·56		3·0
Rhondda W.W. (Llyn Fawr)	4·90		4·5	<i>Brecon.</i>			
Ogmore Vale	3·79		4·1	Swansea W.W. (Nanty-			
Treforest Central School. . .	2·71		3·7	rwydd)	2·52		3·1
Pontypridd (Lan Wood Res.)	2·81		3·9	Cardiff W.W. (Beacons Res.)	2·58		2·8
Porth Park	3·13		3·6	Cardiff W.W. (Storey Arms)	2·75		2·8
Pontypridd (Llanfabon) . .	2·90		4·2	Neuadd Res. 1A	2·98		3·0
Ystradyfodwg (Tyntyla Hos.)	3·81		4·5	Neuadd Res. 4	2·65		2·7
Gelli-galed Rec. Gr.	3·68		4·1	Neuadd Res. 11	2·58		3·2
Treorchy Pumping Stn. . . .	3·76		3·9	Neuadd Res. 11A	2·86		2·9
Ferndale Park	4·15		4·6	<i>Carnarvon.</i>			
Treherbert Park	4·17		4·0	Snowdon (Llydaw Intake) -	3·05		2·1
Treherbert (Tyn-y-Waun) . .	3·73		3·7				

July 8th

<i>Glamorgan.</i>	<i>in.</i>	<i>or</i>	<i>%</i>	<i>Glamorgan. (contd.).</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Rhondda W.W. (Llyn Fawr)	3·02		2·8	Treherbert Park	2·62		2·5
Ogmore Vale	2·51		2·7	Treherbert (Tyn-y-waun) . .	2·56		2·5
Treorchy Pumping Stn. . . .	2·61		2·7	Rhondda (Lluest Wen Res.)	2·68		2·6

After a period of generally dry weather conditions gradually deteriorated, owing to the continued eastward movement of the depression which on the 12th was centred off north-west Ireland and became almost stationary over the British Isles on the 14th. The British Isles remained the centre of a complex low-pressure area until the 20th when the depression decreased considerably in intensity. Pressure, although low, was more uniform until the 25th, but from then until the 29th, a series of Atlantic depressions moving in a north-easterly direction along the western seaboard brought unsettled weather with several brief bright intervals. A thundery spell began in Ireland on the 13th and spread next day to north-west England and south-west Scotland. From then until the 21st thunderstorms occurred every day in England and Wales, and were widespread except on the 18th. Another widespread outbreak occurred on the 24th. The storms were mostly in the day-time but there were a few at night, though they were much less striking than those experienced on August 1st to 12th, 1938 (see *British Rainfall*, 1938, pp. 67-71). There were a number of cases of damage by lightning. During the thundery period there was much cloud and showers, or periods of rain, in various districts in addition to thunderstorms. Further details are given in the *Meteorological Magazine*, 1939, pp. 193-199.

July 12th

<i>Argyll.</i>	<i>in.</i>	<i>or</i>	<i>%</i>	<i>Inverness (contd.).</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Morvern (Ardtornish)	3.31		4.7	Arisaig House	2.50		4.6
Morvern (Drumbuy)	2.53		4.2	Loch Eil (Achdaliu)	2.73		4.7
Loch Shiel (Pollock House) . .	3.75		4.8	Loch Arkaig (Glendessary) .	3.75		4.3
Ardgour House	3.50		4.0	Glen Albyn (Torcastle) . . .	3.00		5.4
Glenleven (Kinlochleven) . .	2.98		3.6	Alltshellach	2.54		3.5
<i>Inverness.</i>				Onich	3.28		4.5
L. Quoich (Kinlochquoich) . .	3.33		3.0	Isle of Eigg	2.86		5.3
Loch Quoich (Glenquoich) . .	2.96		3.2	<i>Ross and Cromarty.</i>			
Loch Nevis (Inverie Gdns.) . .	3.02		4.5	Glenshiel (Ratagan)	2.87		4.6
Moidart (Kinlochmoidart) . .	3.48		5.2	Loch Duich (Inverinate) . .	2.88		4.1

Most stations in Scotland recorded some rain for the 12th, although there was little rain over England, Wales and Ireland. More than 1 inch occurred over a large area in the north-western half of Scotland, stretching as far south as Rothesay and extending to Loch Erich, the neighbourhood of Dornoch Firth and Moray Firth and along the coast eastwards almost to Peterhead. Falls of more than 2 inches occurred over a large area from the northern half of Argyllshire to the southern half of Ross-shire. More than 3 inches fell over the mountainous district between Loch Quoich, Mallaig and Ben Nevis.

July 14th

Mayo.—Delphi Lodge 3.04 in. or 3.1 per cent.

July 15th

Ayr.—Troon 3.22 in. or 8.9 per cent.

July 16th

<i>Somersetshire.</i>	<i>in. or %</i>	<i>Somerset.</i>	<i>in. or %</i>
Brushford Rectory	2·60 4·9	Brushford Nurseries	2·60 4·9

Mr. M. S. Brodie, the Burgh Surveyor at Troon, reports that the morning of the 15th was dull and overcast. Thunder and lightning commenced at 10h. and this was followed by rain of great intensity from 10h. 45m. to 11h. 35m. About 2 inches of rain fell during this period. For some hours rain continued to fall, though less heavily. Considerable flooding took place and business in the centre of the town was dislocated for several hours. Over 20 shops in the main street had water in them to a depth of 2 feet and in Station Road the flood water was 4 feet deep. The portion of the municipal golf course lying between the Clubhouse and the old railway line presented the appearance of a large lake. The flooding was said to be the worst due to heavy rain within living memory, although worse flooding, due to high tides, is recalled in 1912. At Prestwick, four miles to the south, the rainfall was 1·66 inch and severe flooding also occurred. The storm was very local. Kilmarnock, eight miles north-east of Troon, registered ·38 inch and Ardrossan on the coast less than 10 miles to the north-west had only ·11 inch, while three miles further north there was no measurable rain. Falls of more than 1 inch were confined to an area extending about four miles to the north, eight miles to the east and 14 miles to the south. Less than 10 sq. miles received more than 2 inches. Reference to this storm and of that at Brushford on the 16th are made in Section 6, where details are also given to heavy rains in the Rhondda Valley on the 19th and at Thirsk on the 20th.

July 19th

Nottinghamshire—Eastwood (Moorgreen Res.) 2·47 in. or 7·8 per cent

July 20th

<i>Suffolk.</i>	<i>in. or %</i>	<i>Yorkshire.</i>	<i>in. or %</i>
Saxmundham	2·50 7·3	Thirsk (South Villa)	2·98 9·6

July 21st

<i>Brecon.</i>	<i>in. or %</i>	<i>Brecon (contd.).</i>	<i>in. or %</i>
Neuadd Res. 1A	2·50 2·5	Neuadd Res. 11	2·92 3·5
Neuadd Res. 4	2·60 2·7	Neuadd Res. 11A	2·80 2·9

July 28th

<i>Lancashire.</i>	<i>in. or %</i>	<i>Westmorland.</i>	<i>in. or %</i>
Coniston (School Garden) ..	3·22 3·6	Patterdale (Greenside Mine)	2·54 2·7
Coniston (Thwaite Cottage)	2·65 3·2	Rydal (The Stepping Stones)	2·55 3·0
Ambleside (Skelwith Fold)	2·61 3·4	Rydal (The Hall)	2·53 2·9
<i>Cumberland.</i>		<i>Carnarvon.</i>	
Borrowdale (The Moraine)	3·24 2·9	Beddgelert (Co. School) ...	2·66 2·9
Watendlath Farm	2·77 2·8	Snowdon (Cwm Dyli) ...:	2·85 2·2
Grange (Bield)	3·17 3·5	Snowdon (Llydaw Intake)	4·15 2·8
Ulpha	2·69 3·5		

Some rain occurred for the 28th at most stations in the British Isles, except in the south-east of England. Falls of more than 1 inch occurred in South Wales, North Wales, the English Lake District, parts of the Southern Uplands of Scotland and from Argyllshire across to the Ochil Hills of Perthshire. Falls of more than 3 inches were confined to Snowdonia and the English Lake District.

Heavy falls for *August* occurred on the 20th, 21st, 25th and 29th but were confined to a few stations. The rains of the 4th and 5th also call for comment. A depression over north-east France drifted north-west on the 5th and was accompanied by thunderstorms in the south-east of England. On the 4th rain was confined mainly to the south-east of England, sunny weather prevailing in the west and north. Falls of more than 1 inch occurred over a large area stretching from Horsham to Colchester with 2·07 inches at Maldon (Essex). For the 5th the areas with more than 1 inch were further north, *viz.*, from Royston, in the north of Hertfordshire, to Norwich, in the neighbourhood of Grimsby and to the south of Middlesbrough. Again generally no rain was recorded over Scotland and Ireland.

There was a warm spell of thundery weather between the 19th and 21st, when a depression over France drifted northward. Some rain was recorded at most stations in England and Wales for the 20th but falls exceeding 1 inch occurred only in the south-west and near Whorlton, Co. Durham. The observer at Plas Llangoedmore, near Cardigan, comments on the intensity of the rain and the damage caused by the flood water. There were patches of heavy rain arranged in a line between Cardigan and Bournemouth and a less well marked series between Dulverton and Exmouth. The most interesting area was that to the north-west of Bournemouth and centred at Blandford, where 4·66 inches fell in just over six hours (*see* Section 6). There was no rain 18 miles to the S.S.W. near Swanage or 21 miles to the W.N.W. at Salisbury. Falls of more than 2 inches occurred near Poole, near Wimborne St. Giles and between Shaftesbury and Spettisbury, while the area with more than 4 inches near Blandford was about 3 sq. miles.

The Borough Engineer at Stafford reports that as a result of the heavy rain on August 29th a long length of brick wall was overturned by the weight of water from a brook which overflowed, the main line of the L.M.S. Railway being flooded to a considerable depth.

August 20th					
<i>Dorset.</i>			<i>Devonshire.</i>		
	<i>in.</i>	<i>or %</i>		<i>in.</i>	<i>or %</i>
Broadstone (Sewage Works)	2·70	7·0	Exmouth (Filters, S'ton Rd.)	2·52	6·7
Blandford (King's Road) ..	4·02	9·2	Exmouth (Littleham) ..	2·60	6·7
Blandford (Bryanston Gs.)	4·52	10·3	Exmouth (Filters, Capel L.)	2·51	6·7
Blandford (Bryanston Sch.)	4·66	10·1	Budleigh S'ton (Tidwell Ho.)	2·54	7·1
Blandford (Lefton)	3·14	7·2			
Wimbourne St. Giles Ho. . .	3·15	7·2	<i>Durham.</i>		
Iwerne Minster (Preston Ho.)	2·85	7·1	Whorlton Vicarage	2·74	8·7
Iwerne Minster Vicarage ..	2·80	7·2			
Iwerne Minster (West Lo.) .	2·62	5·8	<i>Cardigan.</i>		
Fontmell Magna (Glebe Cot.)	2·64	7·3	Plas Llangoedmore	3·16	6·5

August 21st

Warwickshire.—Warwick Castle Gardens 2·70 in. or 8·3 per cent.

August 25th

Bedfordshire.—Sandy (Sewage Works) 2·41 in. or 9·3 per cent.

August 29th

<i>Staffordshire.</i>	<i>in. or %</i>	<i>Warwickshire.</i>	<i>in. or %</i>
Brownhills (Sandhills)	2·67 8·0	Minworth Greaves	2·96 9·6
Milford Waterworks	4·01 11·8		

Only a few daily entries for *September* were sufficiently large to include in this section. On the 2nd some rain fell at most stations in the British Isles, and on the 3rd at most stations in Scotland. The pressure was low on the Atlantic, while secondary depressions moved in a northerly direction over the British Isles. The rainfall amounts for the 2nd exceeded 1 inch over a number of areas, *e.g.*, in the south-east of Ireland, around Dublin and Wexford; in a line about the centre of England and Wales, near Darlington, from Harrogate to Leicester, the east of Gloucestershire, near Marlborough and between Weymouth and Southampton. There were a few other small areas with more than 1 inch, *e.g.*, to the north of London. Falls of more than 2 inches were confined to the neighbourhood of Swanage and parts of Yorkshire. The totals for the 3rd exceeded 1 inch over only small parts of the west of Scotland, north of Ireland and English Lake District. Falls of more than 3 inches were confined to the islands of Barra and Islay.

September 2nd

<i>Dorset.</i>	<i>in. or %</i>	<i>Yorkshire (contd.).</i>	<i>in. or %</i>
Swanage	2·94 7·6	Conisborough (Firsby Res.)	4·05 11·6
<i>Yorkshire.</i>		Aberford (Lotherton Hall)	2·98 9·6
Rotherham (Thrybergh)...	3·14 9·6	Dalton Parsonage	2·10 7·6

September 3rd

<i>Lancashire.</i>	<i>in. or %</i>	<i>Inverness.</i>	<i>in. or %</i>
Hawkshead Hill	2·60 3·1	Barra (Skallary)	3·88 9·7
<i>Argyll.</i>		Barra (Eoligaray)	3·21 7·3
Islay (Eallabus)	3·17 7·1	<i>Antrim.</i>	
Islay (Dunlossit)	3·25 6·6	Randalstown (Hollybrook)	2·81 6·9

September 7th

Argyll.—Morvern (Kingairloch) 2·90 in. or 3·3 per cent.

September 10th

Westmorland.—Middlefell Farm 2·96 in. or 2·5 per cent.

September 20th

Kent.—Wingham (Margate, W.W.) 2·68 in. or 6·6 per cent.

Heavy falls are available for this section on ten days in *October*. From the 4th to 6th a depression moved from the south-west of Scilly to northern Ireland and rain fell fairly generally with local thunderstorms. Another Atlantic disturbance approached the west coasts on the 8th and from the 9th to 12th remained centred off north-west Ireland. Some rain fell over a large area and was heavy on the 9th mainly in Perthshire and on the 10th in Kirkcudbrightshire. At Aberfeldy (Am Bothan), Perthshire, the total for the 9th and 10th was 4·43 inches and for the eight days 5th to 12th as much as 7·36 inches.

October 4th

<i>Devonshire.</i>	<i>in. or %</i>	<i>Devonshire (contd.).</i>	<i>in. or %</i>
Dartmoor (Swincombe) ..	2·50 3·1	Bovey Tracey (Hedgebarton)	2·53 3·8

October 5th

Kerry.—Bally McElligott Rectory.....2·77 *in.* or 6·2 per cent.

October 8th

<i>Devonshire.</i>	<i>in. or %</i>	<i>Down.</i>	<i>in. or %</i>
S. Brent (Brent Moor)....	2·58 2·6	Mourne Mts. (Fofanny Res.)	3·05 4·3

October 9th

<i>Argyll.</i>	<i>in. or %</i>	<i>Perth (contd.).</i>	<i>in. or %</i>
Strachur Park	2·81 3·8	Glen Almond (Auchnafree).	2·53 3·8
<i>Perth.</i>		Aberfeldy (Am Bothan) ...	2·53 6·5
Abernethy (Glenfarg Ho.).	2·86 7·3	Aberfeldy (Dall Avon)	2·61 6·7
Bridge of Earn (Ballendrick)	2·50 7·2	Aberfeldy (Grandtully G.D.)	2·54 6·6
Lochearnhead (Ardvorlich)	2·85 4·6	<i>Mayo.</i>	
Lochearnhead (Edinchip) ..	2·70 4·2	Aasleagh House	2·60 2·5

October 10th

<i>Kirkcudbright.</i>	<i>in. or %</i>	<i>Kirkcudbright (contd.).</i>	<i>in. or %</i>
Craigencallie	2·58 3·3	Carsphairn (Shiel)	2·55 3·6
Backhill-of-the-Bush.....	2·53 3·3	<i>Argyll.</i>	
Dalry (Forrest Lodge)	2·70 3·8	Strachur (Glenbranter) ..	2·70 3·1

October 11th

Aberdeen.—Glen Muick (Inchnabobart)2·55 *in.* or 4·8 per cent.

October 12th

<i>Durham.</i>	<i>in. or %</i>	<i>Louth.</i>	<i>in. or %</i>
S. Shields (South Pier Wks.)	1·84 7·5	Dundalk (Annaskea Res.) ..	2·50 6·1
<i>Northumberland.</i>			
Tynemouth (Tyne P'r Wks.)	1·86 7·5		

On the 13th a depression developed west of Brittany and moved rapidly north-east to Denmark. There was heavy rain in the south-east of England, especially in Sussex. Over the Thames Valley above Teddington the general rainfall was ·98 inch and this was the wettest day there since May 21st, 1932, with 1·17 inch. The total rainfall for the five days, 13th to 17th, over this area amounted to 2·46 inches.

October 13th

<i>Sussex.</i>	<i>in.</i>	<i>or</i>	<i>%</i>	<i>Sussex (contd.).</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Rottingdean (Hillside)	2.50		7.1	Hellingly (East Sx. M.Hos.)	3.80		10.7
Lewes (Littledene)	2.52		6.6				

On the 16th a ridge of high pressure developed over the British Isles and, later, pressure was high northward of Scotland, while a depression moved from Spain to north-east France. Thunderstorms and heavy rain were experienced locally in England on the 17th* and in east and south-east England on the 19th. No rain was recorded for the 17th at most stations in the south-west of England and Wales, as well as in the north and extreme south-east of England. Falls of 1 inch or more were confined mainly to a belt between Henley-on-Thames and Chester extending as far north as Leicester and Sheffield. Falls of more than 2 inches occurred over a large area from Aylesbury to Coventry and at Henley-on-Thames, while as much as 3 inches fell in parts of Northamptonshire. At Blisworth, Northamptonshire, 3.10 inches fell in 16 hours commencing at 14h. on the 17th. The total rainfall at Clacton-on-Sea for the eleven days 9th to 19th amounted to 6.86 inches.

October 17th

<i>Buckinghamshire.</i>	<i>in.</i>	<i>or</i>	<i>%</i>	<i>Northamptonshire (contd.).</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Quainton (Quainton Cot.) . .	2.30		7.6	Towcester (Easton Neston)	3.16		9.0
Swansbourne House School	2.75		8.7	Blisworth (Crieff H.)	3.09		8.8
Mursley Hall	2.37		7.7	Litchborough Rectory	3.26		10.2
Wolverton (Gables Lodge)	2.59		7.5	Blisworth (Grand J. Canal)	3.10		8.7
<i>Oxfordshire.</i>				Northampton (Upton)	2.30		7.6
Headington Hill	2.15		7.6	Daventry (Tunnel End) . .	3.18		9.0
Elsfield (Home Farm)	2.73		8.2	Ravensthorpe	2.60		8.4
Bicester (St. John's)	2.60		7.5	West Haddon (Foxhill) . .	3.13		9.6
<i>Northamptonshire.</i>				Hollowell	2.64		8.1
Rugby (Kilsby Vicarage) . .	3.28		9.5	<i>Warwickshire.</i>			
Naseby Reservoir	3.01		9.1	Dunchurch Hall	2.99		9.1
Croughton	2.52		7.6	Dunchurch Lodge Gdns. . .	3.00		8.9
Brackley (Waterworks) . .	2.51		7.5	Rugby (Bilton Grange)	2.99		9.3
Hazelborough Woods	2.50		6.8	Rugby (Caldecott)	3.06		9.5
Silverstone (The Chantry) . .	3.20		8.5	<i>Leicestershire.</i>			
Silverstone (Council Sch.) . .	2.54		6.8	Welford (The Reservoir) . .	3.01		9.1
Towcester (Bradden H.) . . .	3.22		8.8	Lutterworth (Waterworks)	2.77		8.7

October 27th

<i>Kent.</i>	<i>in.</i>	<i>or</i>	<i>%</i>	<i>Kent (contd.).</i>	<i>in.</i>	<i>or</i>	<i>%</i>
Folkestone (Sandgate)	2.60		6.1	Folkestone (Isolation H.) . .	2.72		6.4
Folkestone (Municipal Off.)	2.50		6.1				

November gave entries for five days, but they were at isolated stations except on the 25th, when some rain was recorded at nearly all stations in the British Isles. November 25th was not only the wettest day of the year at many stations but it gave also the largest amount for any day, *viz.*, 5.08 inches at Blaenau Festiniog (Slate Quarries).

* An entry of 3.45 in. has been received for Wootton (Oak Lawn), Isle of Wight.

On the 23rd and 24th a complex, shallow depression, crossed the British Isles and from the 25th to 27th a vigorous depression moved from south-west of Iceland to Scandinavia; heavy rain was experienced in the south of England on the 23rd and rain fell generally on the 25th and 26th. The amounts for the 25th exceeded 1 inch over large areas in the mountainous districts of the west, *e.g.*, over Dartmoor, Exmoor, Bodmin Moor, over most of Wales, the English Lake District and Pennines, parts of the Southern Uplands and Western Highlands of Scotland, the Isle of Man and Connemara. Falls exceeding 2 inches were mainly confined to areas in Wales and the north-west of England. A number of stations in South Wales, North Wales and the English Lake District recorded more than 5 inches. There are more entries for November 25th than for any other day of the year and more than any other day since October 3rd, 1938.

November 8th

Peebles.—Edinburgh W.W. (Victoria Lodge) 2.65 in. or 5.4 per cent.

November 22nd

<i>Carnarvon.</i>	<i>in. or %</i>	|	<i>Carnarvon (contd.).</i>	<i>in. or %</i>
Snowdon (Cwm Dyli)	2.70 2.1	|	Snowdon (Llydaw Intake) .	2.90 1.9

November 23rd

<i>Devonshire.</i>	<i>in. or %</i>	|	<i>Devonshire (contd.).</i>	<i>in. or %</i>
S. Brent (Brent Moor) . .	2.75 2.8	|	Littleham (Orleigh Court) . .	2.68 5.6

November 25th

<i>Lancashire.</i>	<i>in. or %</i>	|	<i>Glamorgan.</i>	<i>in. or %</i>
Coniston (School Garden) . .	3.16 3.5	|	Rhondda W.W. (Llyn Fawr	
Coniston (Thwaite Cot.) . .	2.89 3.5	|	R.)	4.73 4.3
Hawkshead Hill	2.66 3.2	|	Resolven (Forest Lodge) . .	2.76 3.8
<i>Yorkshire.</i>		|	Maesteg (Welfare Park) . .	3.00 3.7
Slaidburn (Hareden Valley)	3.21 4.8	|	Ogmore Vale	4.46 4.9
Slaidburn (Langden Brook)	3.00 4.4	|	Pontypridd (Treforest Sch.)	3.15 4.3
Slaidburn (Dunsop Houses)	2.64 4.3	|	Pontypridd (Lan Wood R.)	3.13 4.4
Slaidburn (Footholme) . .	2.50 4.1	|	Ystradyfodwg (Tyntyla	
Dunford Bridge (Stoney G.)	2.56 4.3	|	Hos.)	2.75 3.3
Dunford Bridge Res.	2.74 4.4	|	Gelli-galed Rec. Gr.	3.90 4.3
Dunford Bridge (Harden) . .	2.52 4.3	|	Treorchy Pumping Stn. . . .	4.21 4.3
Holmbridge (Yateholme R.)	3.21 4.5	|	Ferndale Park	3.56 3.9
Holmbridge (Yateholme		|	Treherbert Park	4.20 4.0
Farm)	3.28 4.8	|	Treherbert (Tyn-y-waun) .	4.02 4.0
<i>Cumberland.</i>		|	Rhondda Castell Nos Res.)	3.48 3.6
Borrowdale (The Moraine) .	3.01 2.7	|	Rhondda (Lluest Wen Fil.)	3.55 3.9
Watendlath Farm	2.76 2.8	|	Rhondda (Lluest Wen Res.)	3.74 3.7
Grange (Bield)	2.63 2.9	|	<i>Cardigan.</i>	
<i>Westmorland.</i>		|	Nant-y-moch	3.20 3.6
Ambleside (Loughrigg Brow)	2.63 3.3	|	Birmingham W.W. (Aber-	
Rydal (Stepping Stones) . .	2.60 3.1	|	gwngu)	3.54 4.5
Middlefell Farm	4.50 3.9	|	<i>Brecon.</i>	
Grasmere (Huntingstile) . .	3.07 3.3	|	Cardiff W.W. (Llwynon	
Grasmere (The Wray)	2.89 3.1	|	Res.)	2.62 3.6
Kentmere Head Res.	2.80 2.7	|	Cardiff W.W. (Garw-nant) .	3.87 4.3

November 25th—(contd.).

<i>Brecon (contd.).</i>	<i>in. or</i>	<i>%</i>	<i>Montgomery (contd.).</i>	<i>in. or</i>	<i>%</i>
Cardiff W.W. (Cantref R.) .	2.82	3.5	Llanidloes (Mount Severn)	2.53	4.6
Cardiff W.W. (Beacons Res.)	3.06	3.4	Lake Vyrnwy	2.72	3.9
Cardiff W.W. (Storey Arms)	3.88	4.0			
Neuadd Res. 1A	3.45	3.4	<i>Denbigh.</i>		
Neuadd Res. 4	3.49	3.6	Bettws-y-Coed (Talfryn) ..	2.58	4.3
Neuadd Res. 11A	2.81	2.9			
Llanwrtyd Wells (Llandulas)	2.75	..	<i>Merioneth.</i>		
Llanwrtyd Wells (Aber-			Llanuwchllyn (Plas-deon) .	3.10	4.8
nant)	2.55	..	Bala (Craig Nant)	3.24	4.1
<i>Radnor.</i>			Festiniog (Hafod Fawr)...	3.44	4.6
Birmingham W.W. (Tyr-			Blaenau (Oakeley Q.)	4.13	4.1
mynydd)	2.67	3.9	Blaenau (Llechwedd Q.) ..	4.77	4.4
<i>Montgomery.</i>			Blaenau (Slate Q.)	5.08	4.8
Machynlleth (Plas Gwern) .	4.28	5.1	Dolgelley (Bronygader) ..	2.59	3.6
Birmingham W.W. (Bod			Capel Curig (Glen Curig) ..	3.52	3.9
Talog)	3.23	4.3	Beddgelert (Co. School) ...	3.15	3.5
			Snowdon (Cwm Dyli)	3.90	3.1

November 30th

<i>Westmorland.</i>	<i>in. or</i>	<i>%</i>	<i>Westmorland (contd.).</i>	<i>in. or</i>	<i>%</i>
Grasmere (Huntingstile)...	2.58	2.7	Kentmere Head Res.	3.70	3.6

Reference should also be made to the frequency of heavy rains during October and November at certain stations, although the amounts have not qualified for inclusion in this section. At Shanklin (Pomona Road), Isle of Wight, during October and November the total amount was 22.03 inches or two-thirds of the annual average. Falls of 1 inch or more occurred on eight days, *viz.*, October 4th, 8th, 11th, 13th and November 6th, 9th, 18th and 23rd, the largest amount being 1.85 inch on October 13th.

There are only a few entries for *December* and these occurred on the 1st, 7th and 10th. On the 1st and 2nd a depression over the Hebrides moved across Scotland to the north of Denmark. On the 7th and 8th pressure was low near Iceland, while vigorous secondary depressions passed north-east across the British Isles. On the 9th a deep depression off north-west Ireland moved north-east to the Hebrides and gales were reported in the west and north on the 9th and 10th.

December 1st

<i>Westmorland.</i>	<i>in. or</i>	<i>%</i>	<i>Merioneth (contd.).</i>	<i>in. or</i>	<i>%</i>
Patterdale (Greenside M.) .	2.71	2.8	Blaenau (Slate Q.)	3.89	3.7
Middlefell Farm	2.52	2.2	<i>Carnarvon.</i>		
<i>Merioneth.</i>			Beddgelert (Co. School) ...	3.06	3.4
Blaenau (Oakeley Q.)	4.02	4.0	Snowdon (Cwm Dyli)	3.73	2.9
Blaenau (Llechwedd Q.) ..	3.90	3.6	Snowdon (Llydaw Intake) .	2.90	1.9

December 7th

<i>Devonshire.</i>	<i>in. or</i>	<i>%</i>	<i>Cornwall.</i>	<i>in. or</i>	<i>%</i>
S. Brent (Brent Moor)	2.53	2.6	Wendron (Ninemaidens) ..	3.85	6.1

December 10th

<i>Carnarvon.</i>	<i>in. or</i>	<i>%</i>	<i>Carnarvon (contd.).</i>	<i>in. or</i>	<i>%</i>
Beddgelert (Co. School) ...	3.13	3.5	Snowdon (Cwm Dyli)	2.55	2.0

8. MONTHLY RAINFALL IN 1939.

Information as to the rainfall of the months of 1939 is set out in this section in various forms :—

(1) Table XIX (a) gives general values of the monthly and annual rainfall over the British Isles as a whole and also over the constituent countries separately.

(2) Details are given of some of the largest and smallest monthly totals of rainfall reported during 1939.

(3) In Table XX the monthly and annual totals of rainfall are set out for 400 stations, distributed as evenly as possible over the British Isles.

(4) Table XXI gives the monthly and annual falls expressed as percentages of the averages for 1881 to 1915. It is confined to 150 stations, uniformly distributed over the British Isles, for which averages are available. The monthly totals in inches for stations in Table XXI are given in Table XX. At the end of Table XXI general monthly and annual percentage values are given for the British Isles and for each of the constituent countries.

(5) A set of twelve maps showing the distribution of the actual rainfall in each month, is reproduced in this article. A thirteenth map depicting the distribution of rainfall for the whole year appears in Section 10. These maps were originally drawn on the much larger scale of 16 miles to the inch, and values from the 2,000 stations reporting monthly were plotted on each map before the isohyetal lines were drawn. These maps show the rainfall in inches, the equivalent values in mm. being also given in round numbers. The more exact relation is 10 in. = 254 mm.

(6) A second set of twelve maps showing cartographically the distribution of the percentage monthly values given in Table XXI, as well as in the rainfall tables published month by month in the *Meteorological Magazine* and in the *Monthly Weather Report* is also reproduced in this article. The corresponding percentage map for the whole year appears later in Section 10.

In Table XIX (b) the average values, taken from the Book of Normals, Table 21A (M.O. 236, Section V), are given for comparison with the values for 1939 given in Table XIX (a).

General Monthly Rainfall.

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

The wettest months over the country generally were January and November with 6·5 and 7·2 inches respectively, and the driest month May with 1·3 inch. January ranked as the wettest month over England, the Isle of Man and England and Wales as a whole, while November was the wettest month over Wales, Scotland and Ireland. May ranked as the driest month over each of the main divisions of the country, although September was equally dry over England and England and Wales as a whole.

At the end of Table XXI the general values are given as percentages of the average. Over the British Isles generally, January 1939, with 171 per cent. was wetter than any January since 1870, apart from those of 1872, 1877 and 1928, with 181, 192 and 203 per cent. respectively, and that of 1937 which also gave 171 per cent. Over England and Wales as a whole, January 1939 ranks as the wettest January probably since 1764. May 1939, with 51 per cent. was the driest May over the British Isles generally since 1870, apart from those of 1871, 1876, 1895 and 1896 with 47, 35, 29 and 26 per cent. respectively. July 1939 with 161 per cent. gave more rain than any July since 1870, apart from those of 1888 and 1936 with 176 and 180 per cent. respectively. Over England and Wales there were five wetter Julys, *viz.*, those of 1875, 1880, 1888, 1920 and 1936; over Scotland July 1939 ranks as the wettest July in the series but over Ireland the Julys of each of the three previous years were wetter. Over the British Isles there were nine drier Augusts and eight drier Septembers, but together August and September 1939, with 4·6 inches, gave less than any similar period apart from that of 1933, when the total was 4·2 inches. Over England and Wales the total August to September of 4·0 inches was not so remarkable, *e.g.*, similar periods in 1933 and 1937 gave 3·6 and 4·0 inches respectively. November 1939 with 170 per cent. was the wettest November over the British Isles, apart from that of 1929 with 173 per cent. Over England and Wales the Novembers of 1926 and 1929 only were wetter than that of 1939; over Scotland the rainfall was not so remarkable but over Ireland November 1939 was the wettest November on record. There were ten drier Decembers over the British Isles, of which the most recent were those of 1926 and 1933 with 36 and 35 per cent. respectively.

Table XIX (a).—*General Rainfall for 1939, computed from the average, 1881–1915, by applying the general percentage values given in Tables XXI and XXIII to the General Average Values.*

	England.	Wales.	Isle of Man.	England and Wales.	Scotland.	Ireland.	British Isles.
	in.	in.	in.	in.	in.	in.	in.
January	6.0	8.8	6.3	6.5	6.2	5.3	6.5
February	1.8	5.0	3.5	2.2	5.4	4.1	3.5
March	2.2	2.9	3.4	2.3	4.1	3.5	3.1
April	2.5	3.4	2.4	2.7	2.4	2.1	2.6
May	1.3	1.0	.8	1.3	1.3	1.4	1.3
June	2.4	3.1	2.1	2.5	2.3	2.5	2.5
July	4.4	8.7	4.3	4.9	6.0	4.8	5.3
August	2.6	3.2	1.4	2.7	2.3	2.1	2.5
September	1.3	1.3	2.4	1.3	3.0	2.5	2.1
October	4.9	3.7	3.3	4.9	3.8	3.3	4.3
November	5.5	10.1	5.4	6.1	7.5	8.3	7.2
December	2.2	4.2	3.6	2.5	3.4	3.7	3.1
Year	37.1	55.4	38.9	39.9	47.7	43.6	44.0

Table XIX (b).—*General Monthly and Annual Averages of Rainfall, 1881–1915.*

	England	Wales	Isle of Man.	England and Wales	Scotland	Ireland	British Isles
	in.	in.	in.	in.	in.	in.	in.
January	2.69	4.72	3.40	2.99	4.90	4.07	3.78
February	2.34	3.94	3.25	2.57	4.18	3.53	3.26
March	2.47	3.82	3.03	2.67	4.05	3.36	3.22
April	1.98	2.96	2.47	2.12	2.99	2.75	2.52
May	2.19	2.95	2.82	2.30	3.01	2.75	2.61
June	2.33	3.05	2.54	2.44	2.83	2.82	2.64
July	2.75	3.60	3.22	2.87	3.78	3.37	3.25
August	3.11	4.71	4.01	3.35	4.51	4.20	3.88
September	2.37	3.51	3.22	2.54	4.00	3.13	3.09
October	3.69	5.63	4.64	3.97	4.90	4.08	4.25
November	3.19	5.25	4.73	3.49	5.29	4.28	4.19
December	3.56	6.00	4.97	3.92	5.88	4.96	4.72
Year	32.67	50.14	42.30	35.23	50.32	43.30	41.41

Extremes of Monthly Rainfall at Individual Stations.

(a) *Monthly Totals*—As much as 30 inches were recorded for November at the head of Borrowdale, Cumberland, *e.g.*, 30·25 in. at Sprinkling and 30·00 in. at Sty Head Tarn. On the other hand the smallest totals were recorded in February, May or September :—

Essex	Lexden (Hill House)	·17 in.	September
Lincoln	Holbeach (Manor Farm)	·26 in.	February
Devon	Torquay (Merton Lodge)	·32 in.	May
Sussex	Robertsbridge (Davell Hall)	·34 in.	September

(b) *Monthly Percentage Totals*.—Areas with more than three times the average are shown on the maps for January, July and October. More than four times the average occurred in October. Some of the largest percentage values are given below :—for October 438 Clacton-on-Sea, 365 Felixstowe and 351 Margate, for July 335 Carmarthen, and for January 331 Chelmsford.

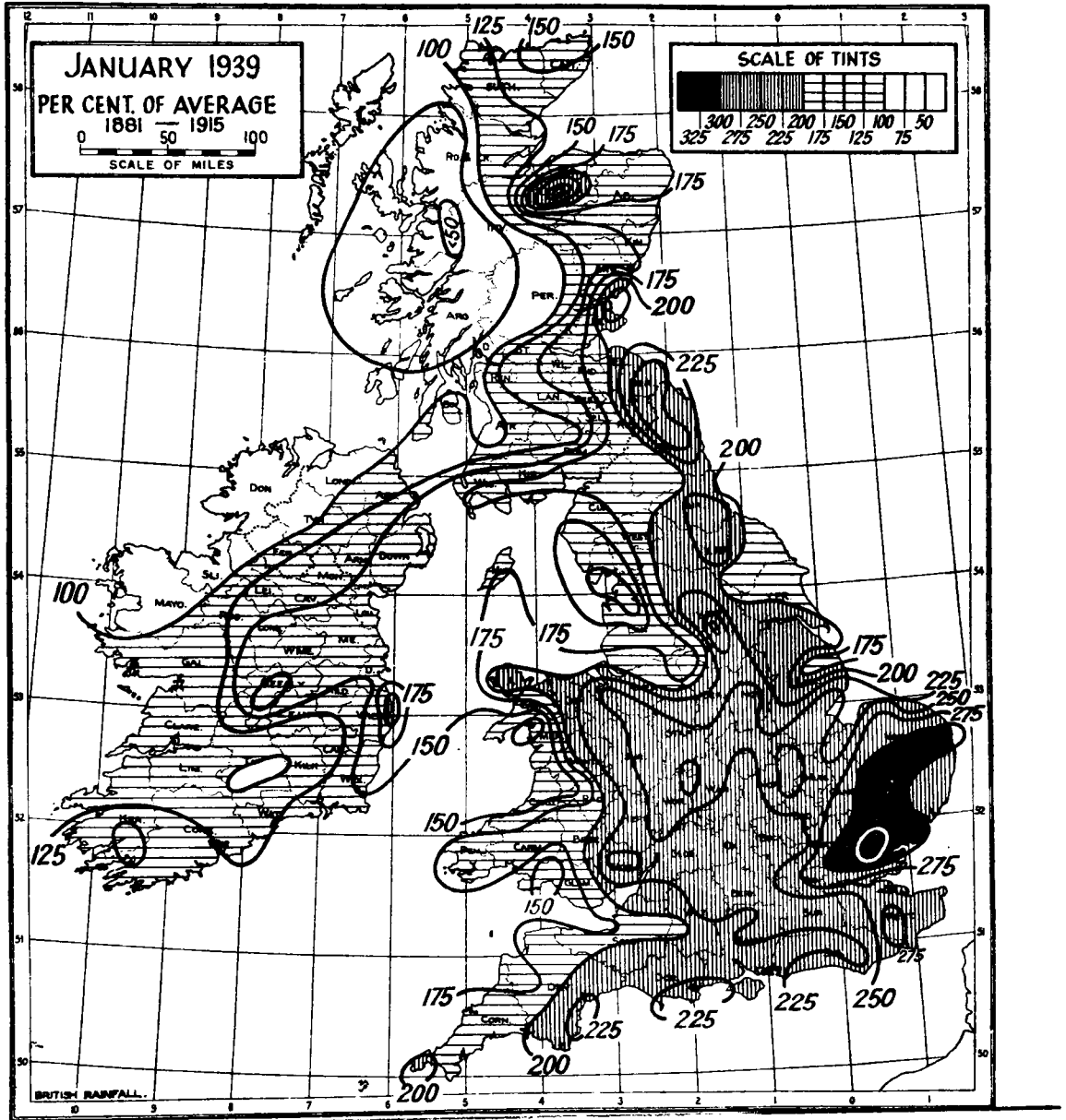
The smallest percentage values were 16 at Ravensglass for May and 15 at Ilfracombe for September.

The Rainfall and Weather of the Individual Months.

- *.* Maps showing the distribution of mean pressure and the movements of the centres of depressions for each month are published in the *Monthly Weather Report*.

In the following pages maps are given showing the distribution of the actual rainfall in each month, and of the percentage monthly values, together with a short description of the weather of each month. Further details are given in the *Monthly Weather Report* and in the *Meteorological Magazine*.

England and Wales received more than twice the average over a large area in the south-east and Midlands extending also to Holyhead and Berwick-on-Tweed. There was more than three times the average from the north of London to Norwich. Rain was heavy on the 25th and the resulting floods near Ipswich on the 26th and 27th were reported to be the worst for 38 years. At Chelmsford 5·06 in. or

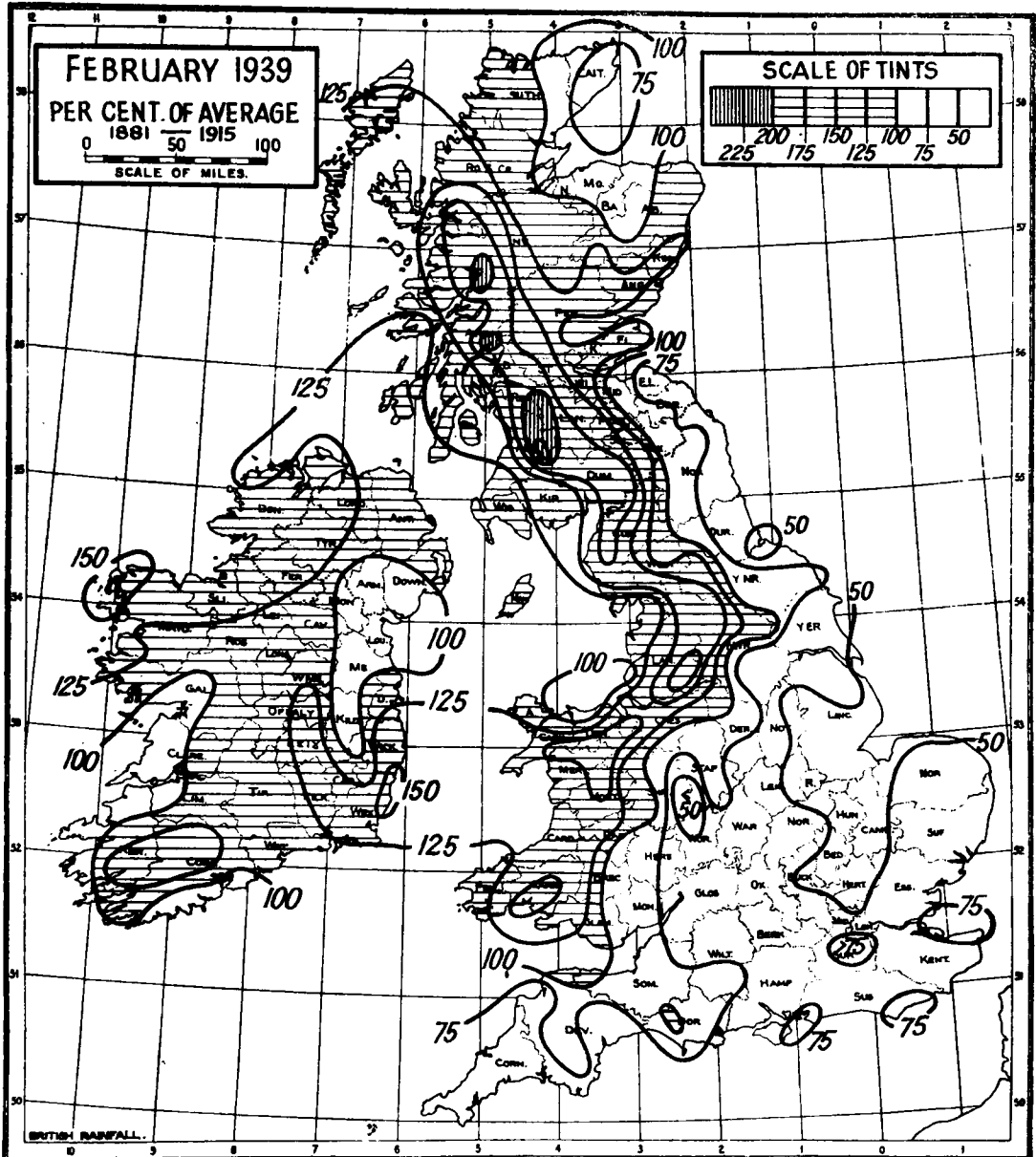


Rainfall, January, 1939, as per cent. of average.

331 per cent. of the average occurred for the month. Only in west Scotland, north-west Ireland and at Cashel (Ballinamona) was the rainfall less than the average, only 48 per cent. being recorded at Loch Quoich (Glenquioch) in Inverness-shire. The main features of the map in inches are the large area in Wales with over 10 in., and the relatively high rainfall of eastern England and Scotland.

Lerwick to +5 mb. at Portland Bill. The mean temperature was everywhere above the average, the difference amounting to 2° F. in the Channel Islands and 3° F. in east Scotland.

At Cambridge (Botanical Gardens) only .42 in. was recorded, this being 33 per cent. of the average, while at the University Farm there was only .37 in. Glen Afton, Ayrshire, recorded 10.39 in. or



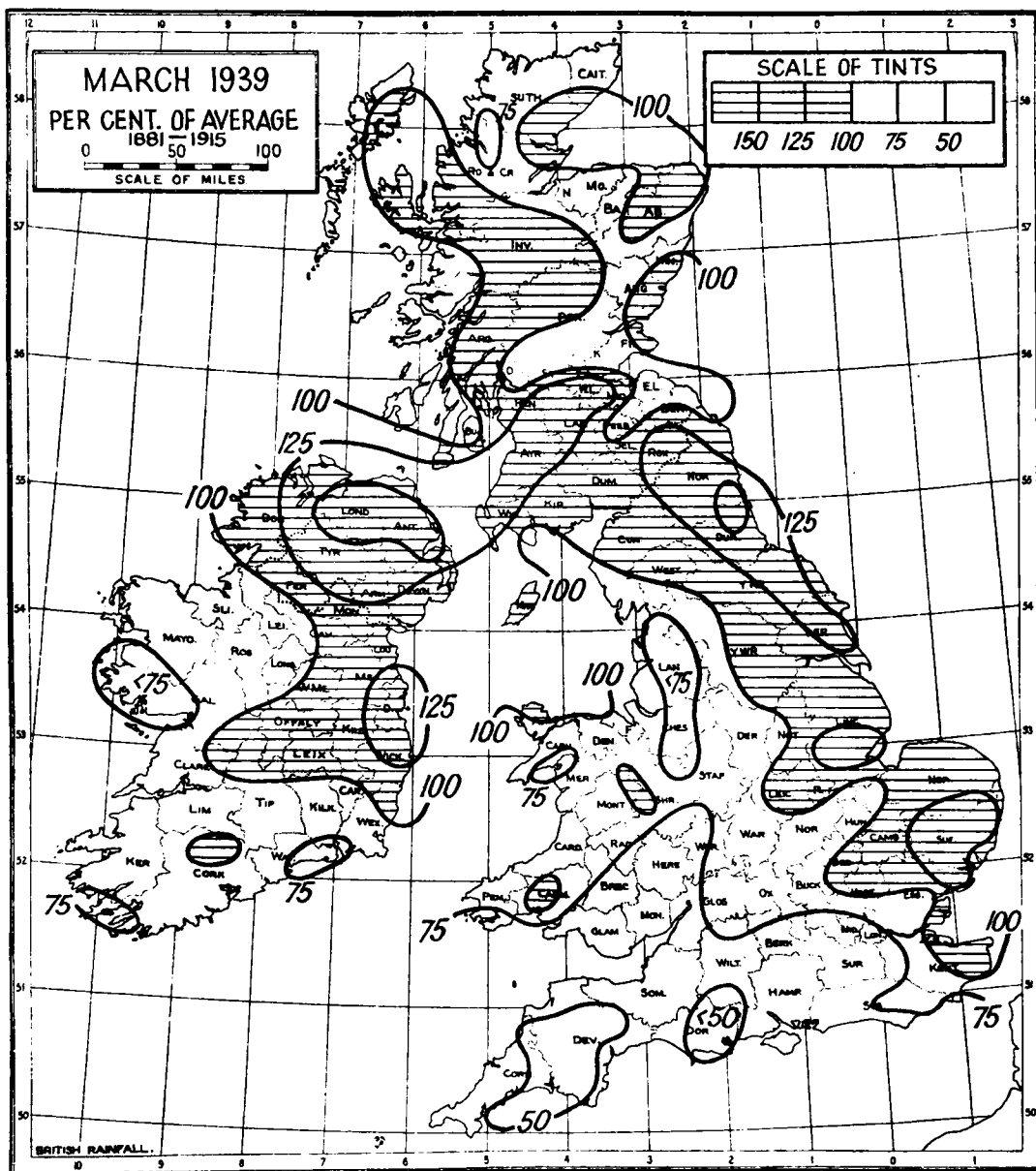
Rainfall, February, 1939, as per cent. of average.

236 per cent. and Loch Quoich (Glenquoich) 19.11 in. or 185 per cent. of the average. As much as 7.9 in. was recorded for the 9th and 10th at Kinlochquoich (see Section 7).

The map emphasizes the difference between eastern England where the rainfall was often below .5 in., and western Scotland, much of which received 10 in.

temperature for March somewhat exceeded the average, in spite of cold north-easterly winds from the 25th to 29th.

In England and Wales the rainfall was above the average north-east of a line from Kent to Cumberland; only at Newcastle (Leazes Park) was more than 150 per cent. recorded. In parts of Dorset, Devon and Cornwall there was less than 50 per cent. In Scotland, the amounts recorded were usually close to the average, but there was more than 125 per cent. from Stranraer to Edinburgh. In Ireland,



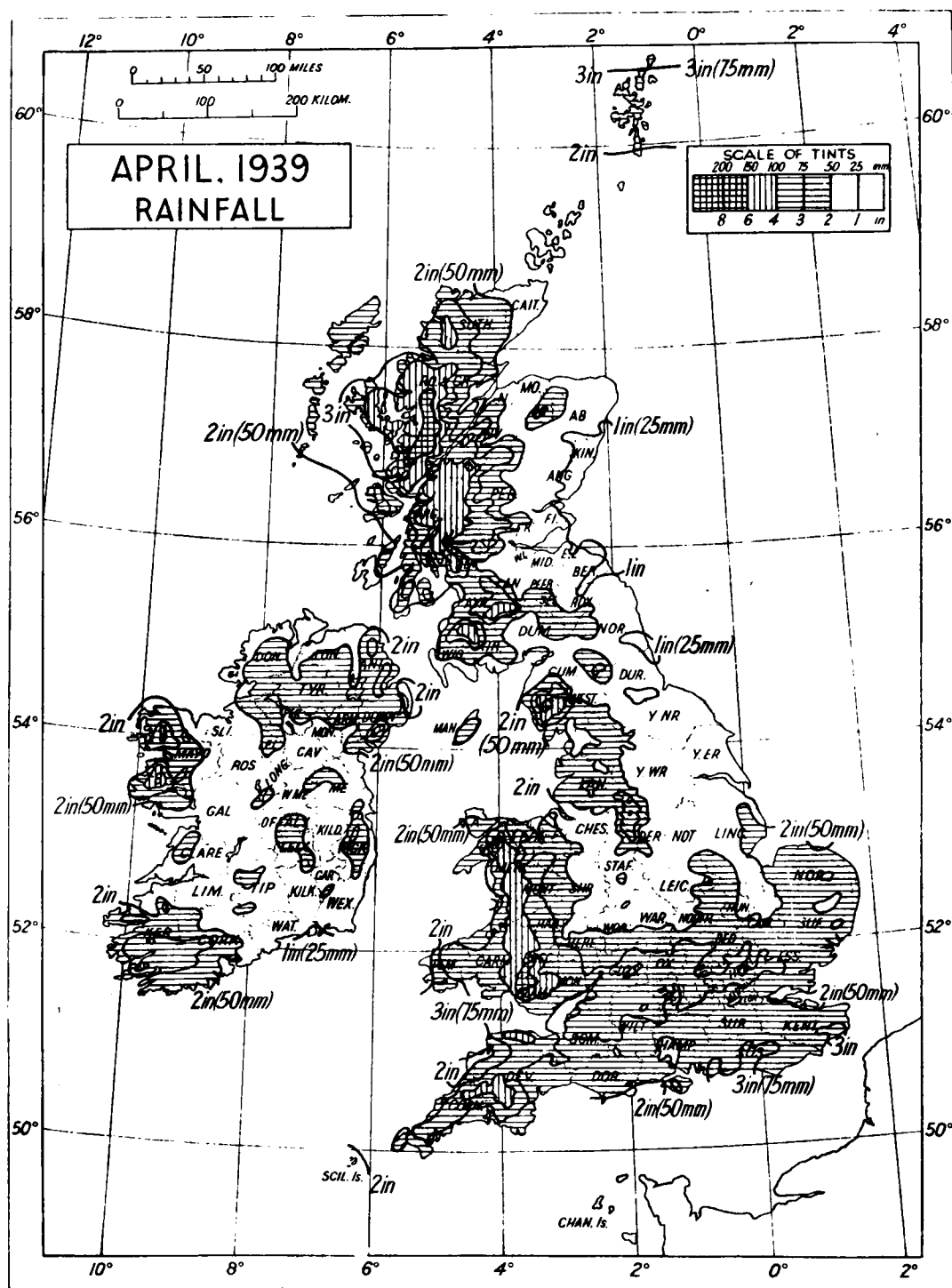
Rainfall, March, 1939, as per cent. of average.

the north and east received over 100 per cent., the rainfall in Co. Londonderry and Co. Antrim exceeding 150 per cent. In Connemara, parts of Co. Kerry and near Waterford there was less than 75 per cent.

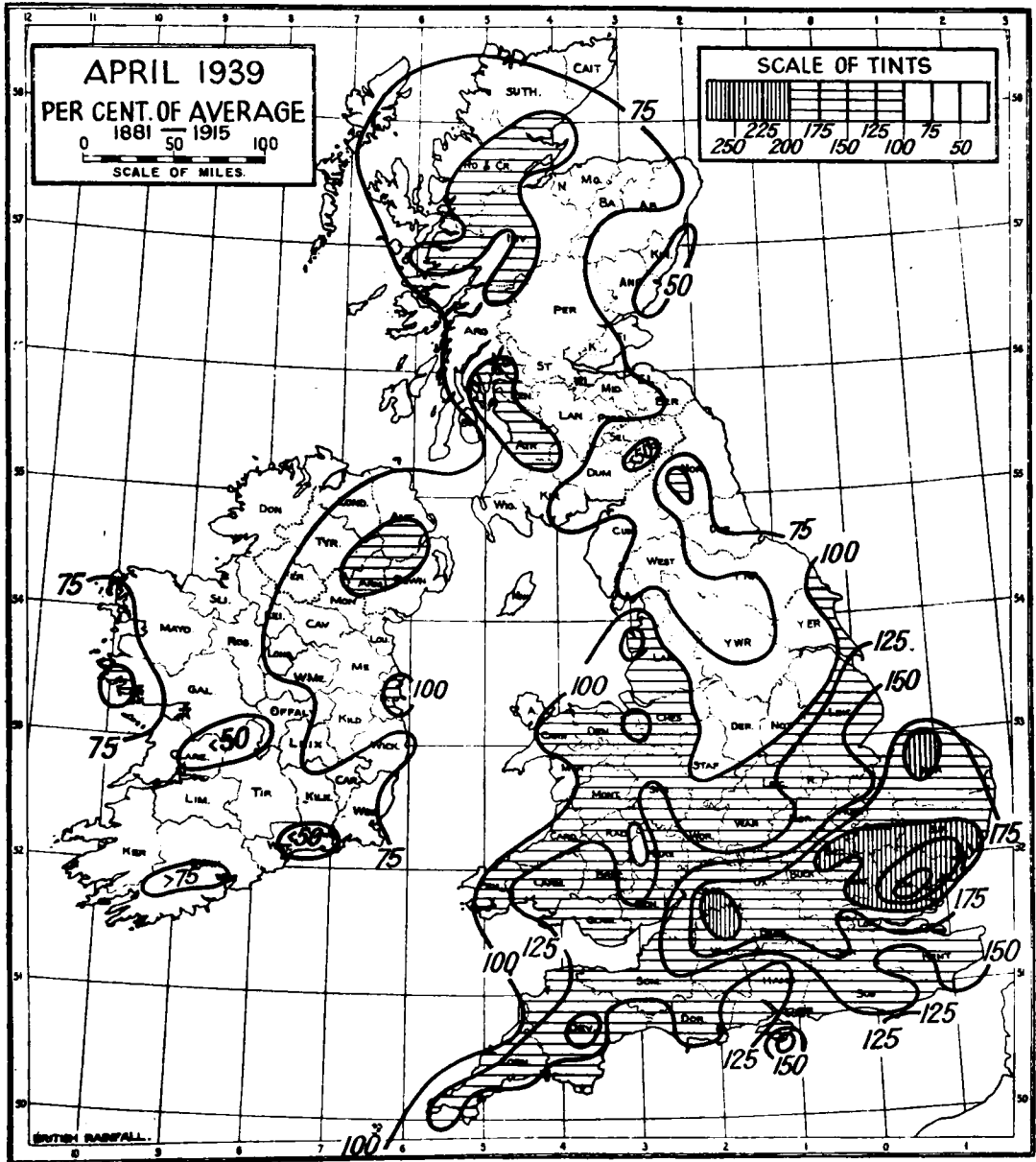
The chief feature of the map in inches is the lessening of the normal contrast between the east and west, particularly in Ireland and southern England.

April.—The mean pressure of the month approximated closely to the average. The weather was sunny on the whole and warm at times between the 9th and 21st, particularly on the 11th and 12th.

In general the largest percentage values occurred to the south of the Humber. Much of East Anglia, together with parts of Wiltshire



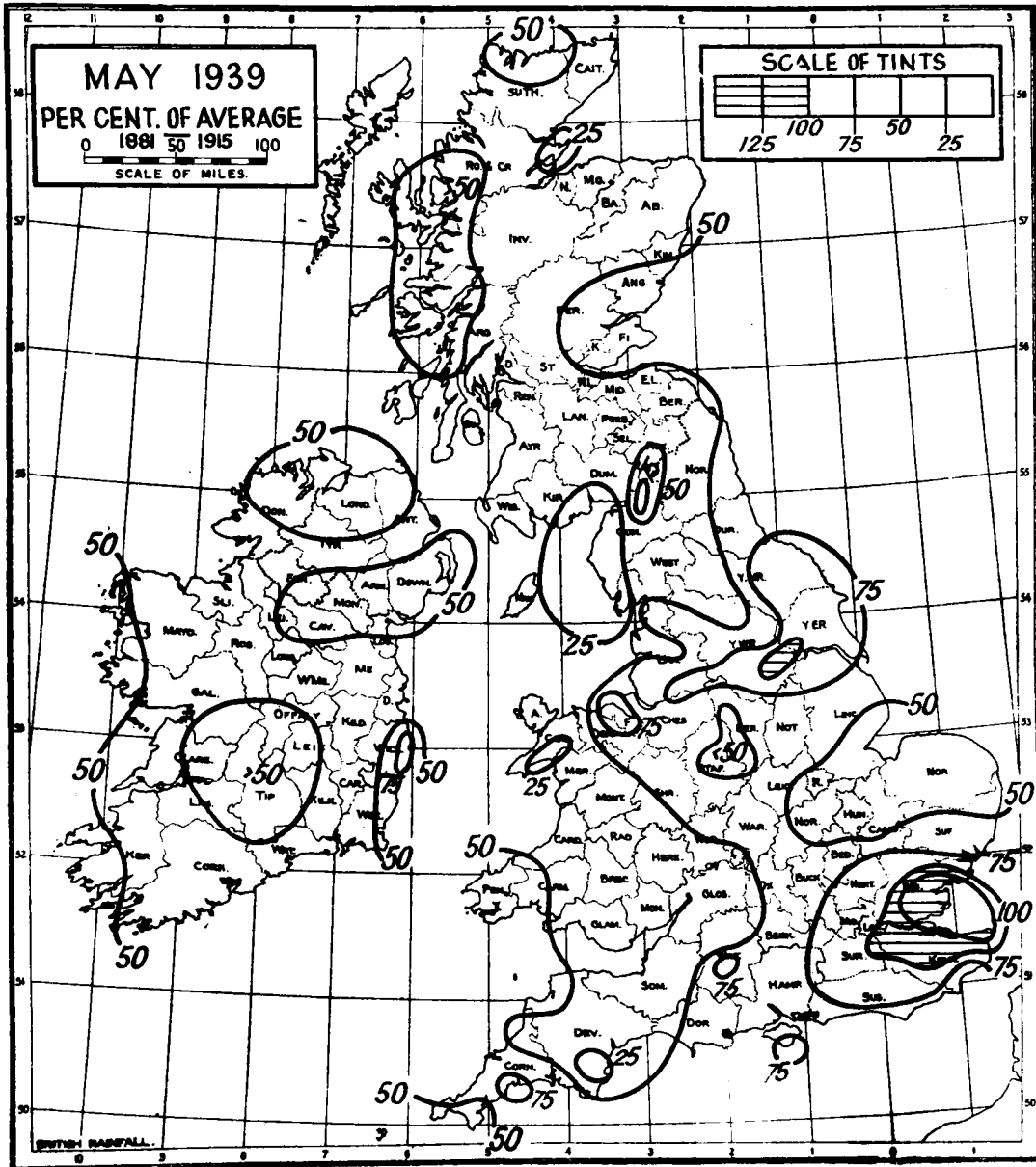
and Gloucestershire recorded more than twice the average due more especially to heavy falls on the 5th, 29th and 30th. At Chelmsford as much as 270 per cent. was recorded. There was less than 50 per cent. from Aberdeen to Carnoustie (Angus), in Roxburghshire and near Waterford and Nenagh (Tipperary).



Rainfall, April, 1939, as per cent. of average.

The map of the rainfall in inches shows the small amounts over northern England and most of Scotland and Ireland; an unusually large area with more than 2 in. in the south of England and small areas with less than 1 in. along the coast between Darlington and Aberdeen.

Parts of Essex, Surrey, Kent and Yorkshire (W.R.) received more than the average, the Essex coast receiving over 125 per cent. Almost the whole of Ireland, Wales and Scotland received less than 50 per cent. Small areas near Torquay, Criccieth, from Barrow-in-Furness to Dumfries and near the Moray Firth recorded less than one-quarter of the average. The percentages at Teignmouth, Blaenau



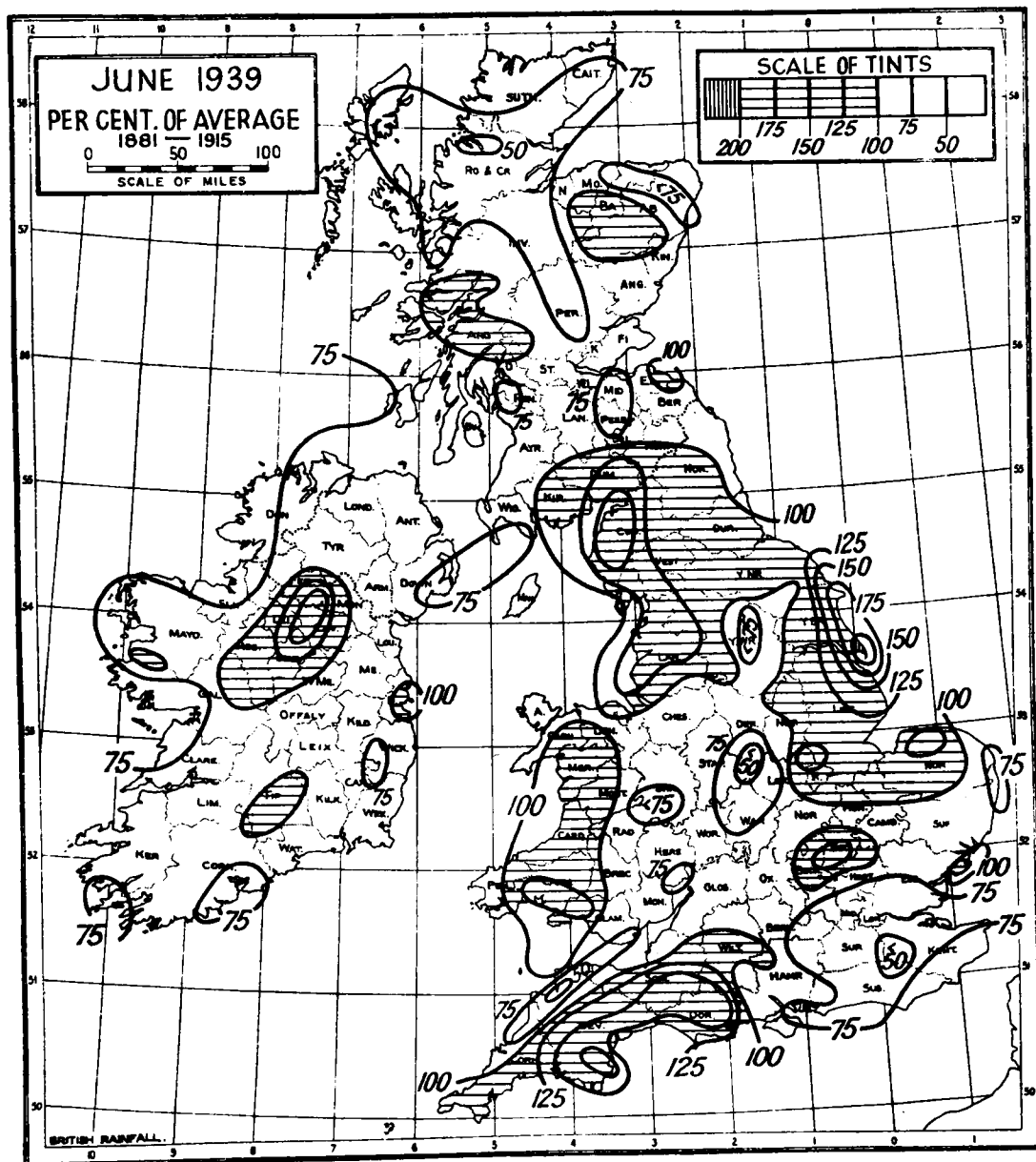
Rainfall, May, 1939, as per cent. of average.

Festiniog, Ravensglass (Cumberland) and Tain (Ross and Cromarty) were 22, 24, 16 and 21 respectively. At Braystones (Cumberland), the May total of .32 in. was the lowest recorded in 76 years.

The map shows a striking decrease in the size of the areas in the west receiving over 2 in., and the unusual feature of part of Kent wetter than most of Wales.

Houghall in the Wear Valley the range of temperature during the 3rd, 4th, 5th and 6th reached the unusually large values of 47°, 47°, 42° and 42° F., respectively.

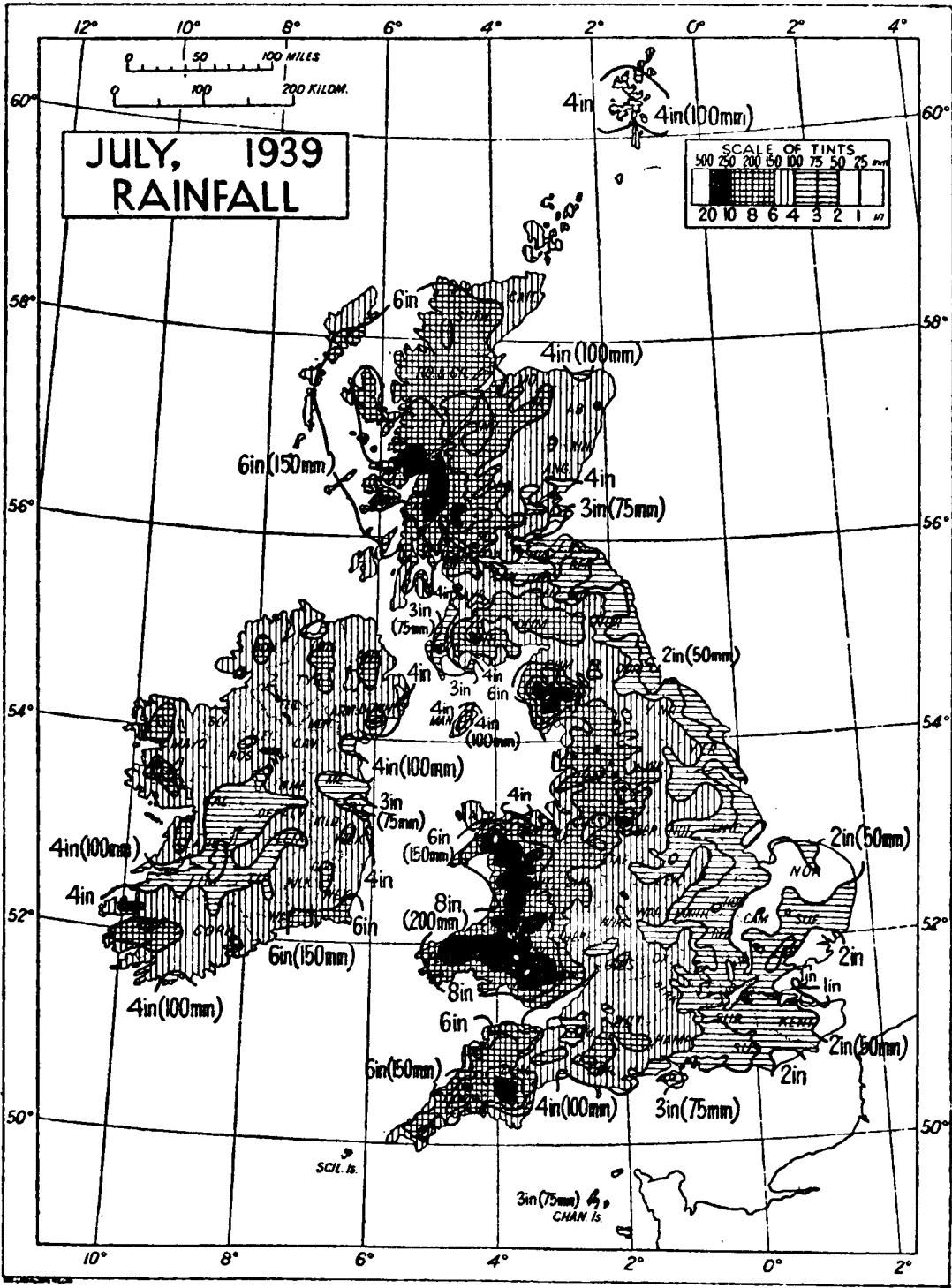
Less than the average rainfall occurred over the greater part of Scotland, but in the region of Inveraray Castle (Argyllshire) and



Rainfall, June, 1939, as per cent. of average.

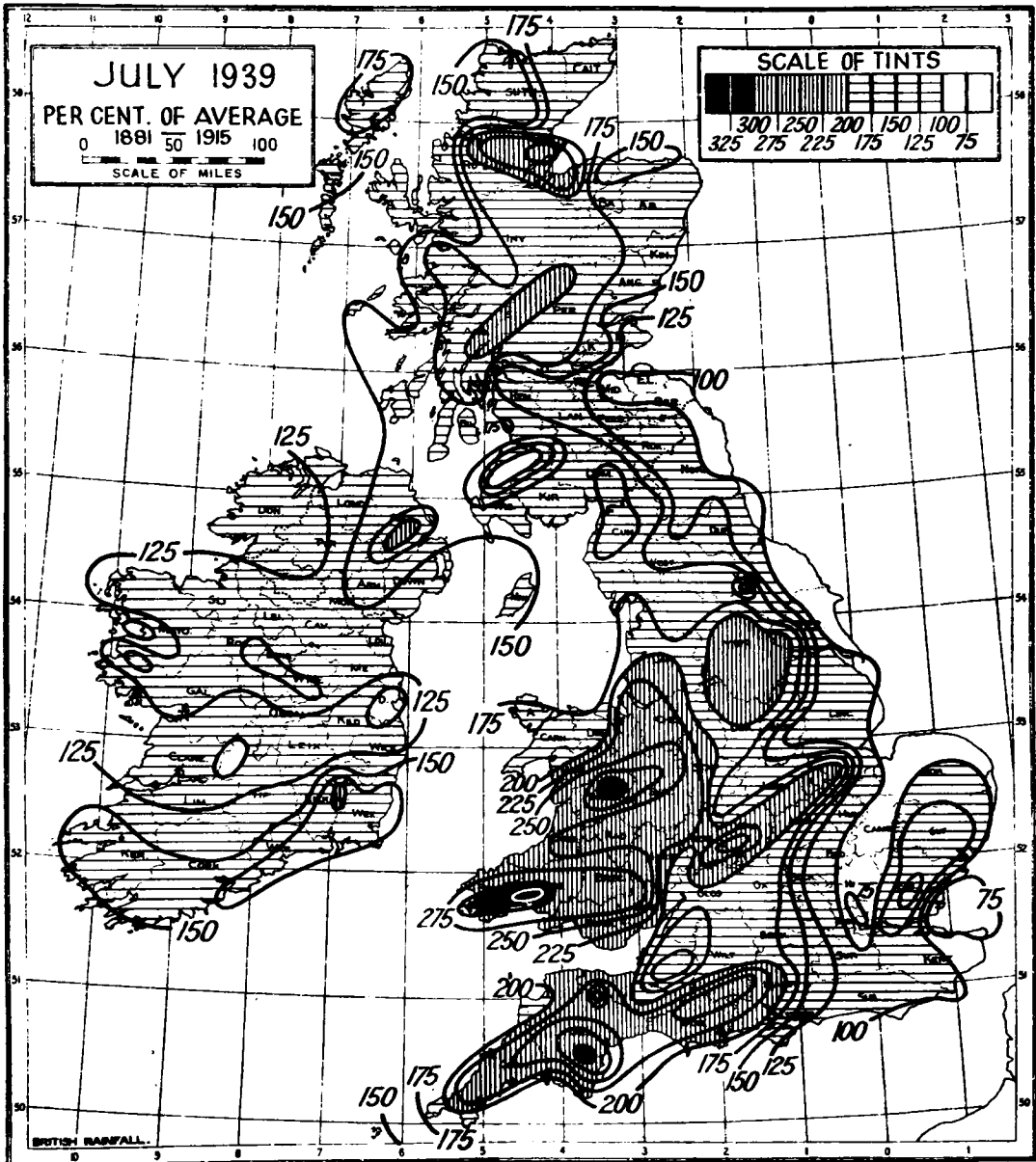
Balmoral more than the average was recorded. There was less than half the average near Derby, Barnstaple, Tunbridge Wells and Ullapool. The largest percentage values included 206 at Spurn Head the total fall being 3.64 in., 1.65 in. of which fell on the 19th and 171 at Newtownbutler (Crom Castle) in Co. Fermanagh.

July.—The mean pressure was considerably below normal, the deficiency at 7h. ranging from 4 mb. at Yarmouth to 6 mb. at Holyhead. The weather was generally unpleasant, dull and cool with frequent rainfall and widespread thunderstorms, especially from the 13th to 21st. (see Sections 6 and 7).



Rainfall, July, 1939.

More than twice the average occurred over large areas including most of Wales and the south-west of England, and extending eastwards to Hampshire, Rutland and much of the area drained by the Yorkshire Ouse. There was also more than twice the average over parts of Perthshire and Argyllshire, the neighbourhood of Moray Firth and in Co. Antrim and Co. Carlow. More than three times the average

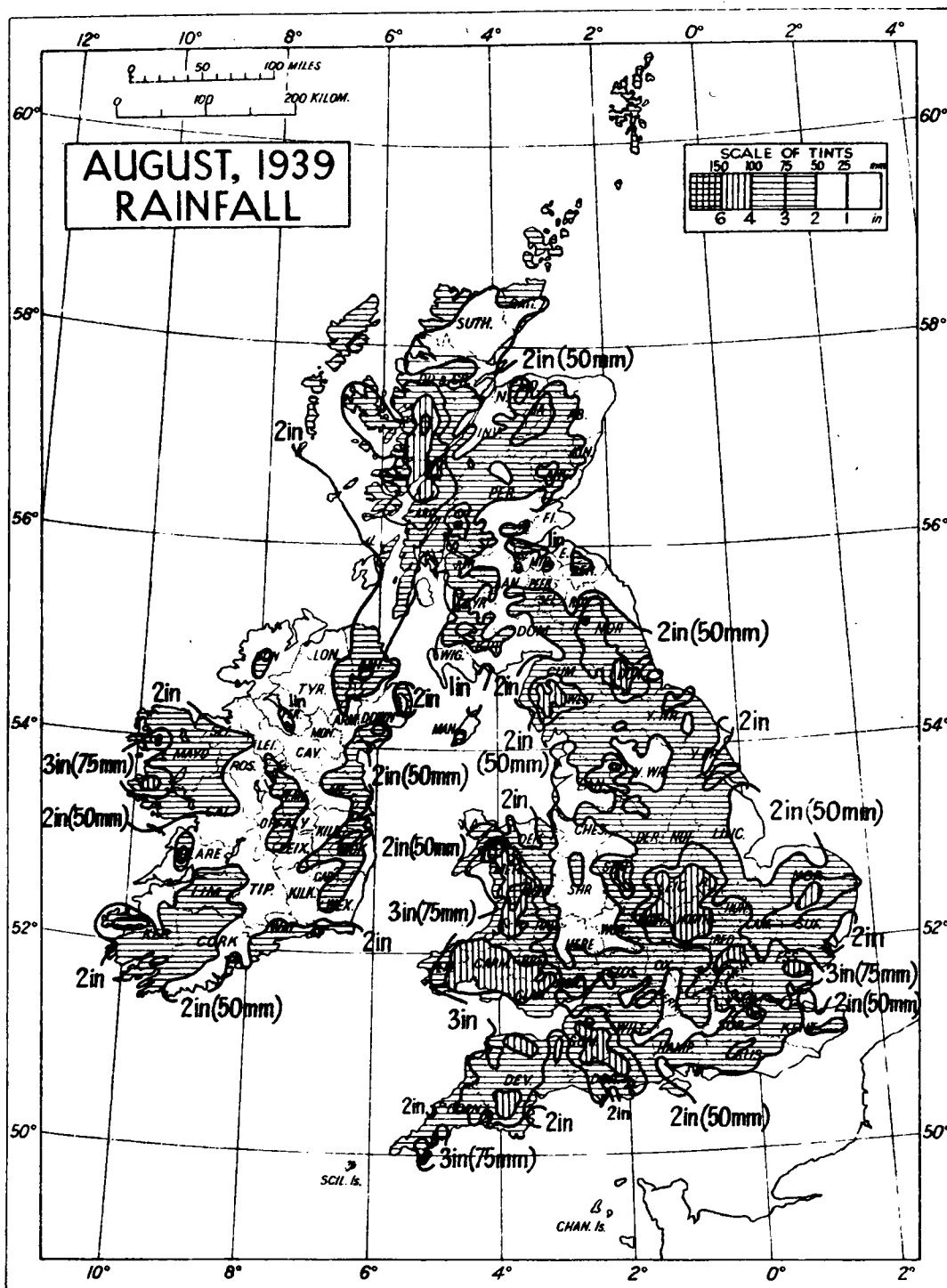


Rainfall, July, 1939, as per cent. of average.

occurred at Holne, Devonshire, where 2·86 in. out of a total of 10·74 in. fell on the 6th; at Carmarthen, St. Ann's Head, Welshpool, and at Lake Yyrnwy, with 10·46 inches, the falls on the 6th, 28th and 29th being 1·25, 1·12 and 2·06 inches respectively. Less than the average was recorded along the east coast from Edinburgh to Beachy Head, to the north of London, in the south of Ayrshire, near Dublin and to the north of Limerick.

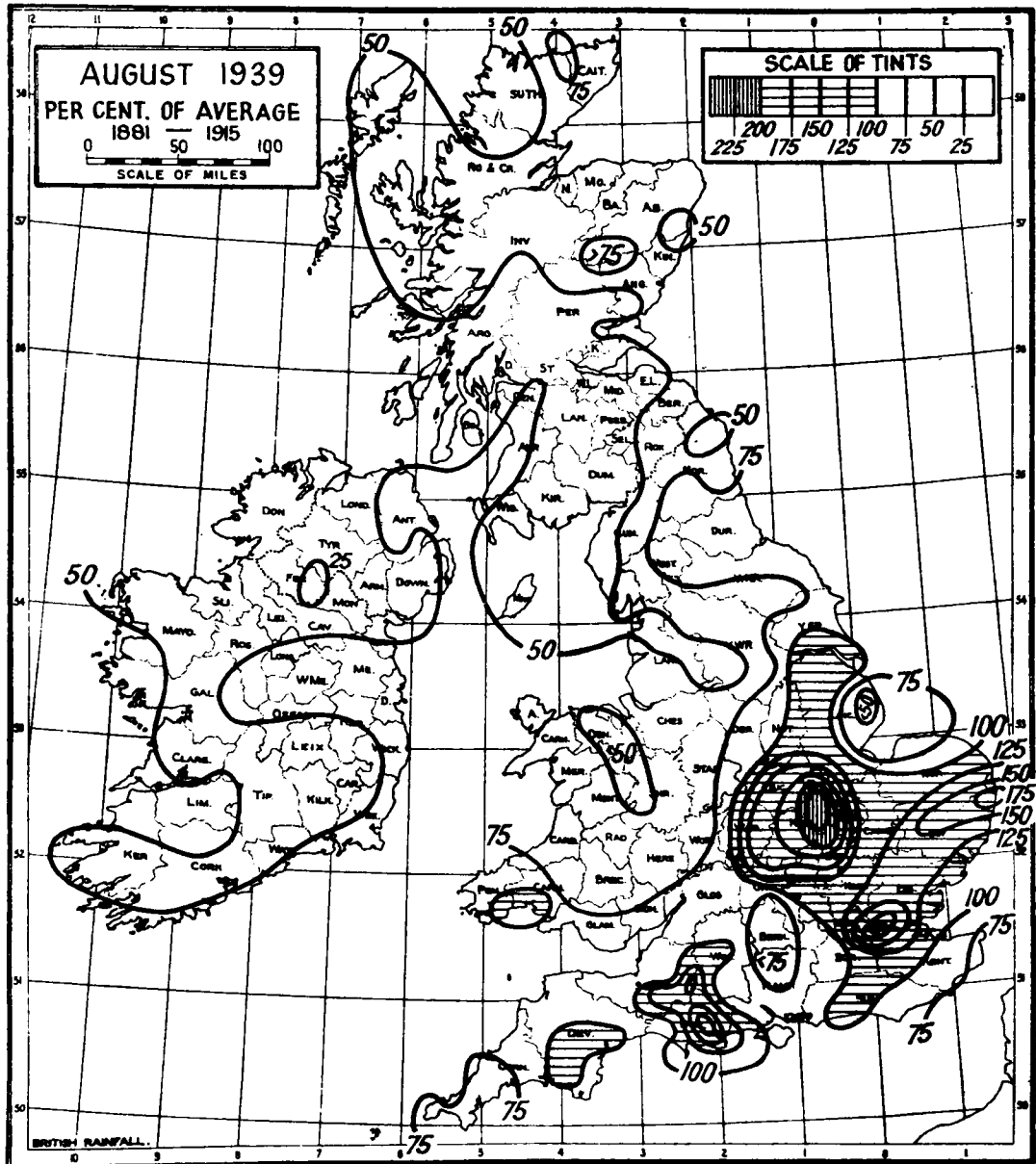
August.—The barometric pressure for the month exceeded the average everywhere and the values were more uniform than usual. The deviation at 7h. ranged from +1.4 mb. at Portland Bill to +6.3 mb. at Lerwick. The weather was cool at first, but the latter half was warm.

Precipitation was well below the average, especially in Scotland



Rainfall, August, 1939.

and Ireland, over most of which there was less than 50 per cent. At Newtownbutler (Crom Castle) in Co. Fermanagh only 25 per cent. occurred. There was less than the average over Wales except near Carmarthen. In England, large areas in the south-eastern half received more than the average, more than twice the average being reported from Wellingborough, Uppingham and East Ham and Blandford. At Wellingborough the total for the first five days

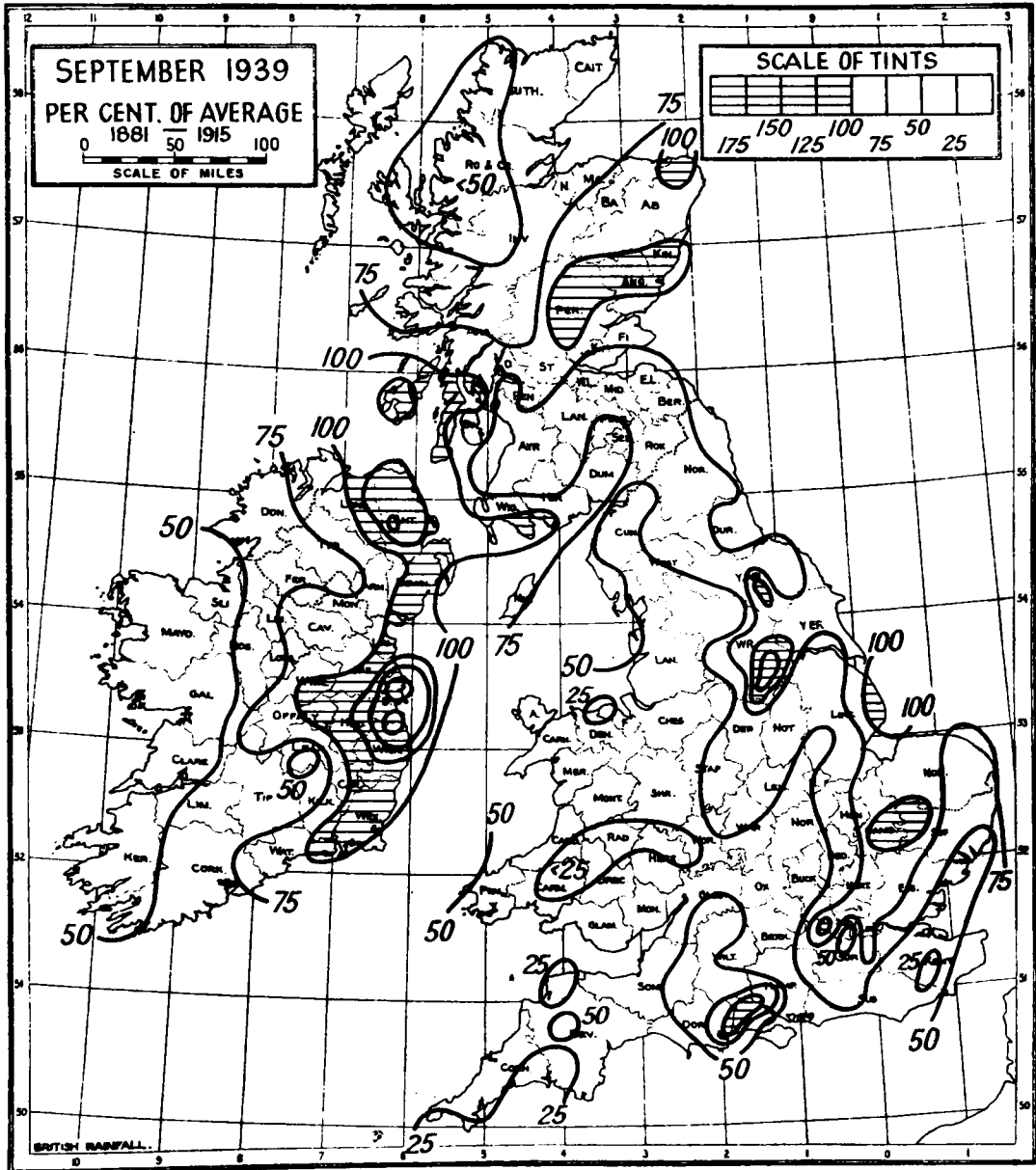


Rainfall, August, 1939, as per cent. of average.

amounted to 3.29 in. At Blandford there was a series of thunderstorms on the 20th, when 4.66 in. fell in about six hours (see Sections 6 and 7).

The map of the rain in inches shows a much more uniform distribution than usual.

The only extensive area which received more than the average rainfall was the east coast of Ireland and the south-west of Scotland. Most of England and Wales west of a line from Solway Firth to Kent recorded less than 50 per cent., less than 25 per cent. being reported for areas near Rhyl, from Carmarthen to Warwick, near Ilfracombe

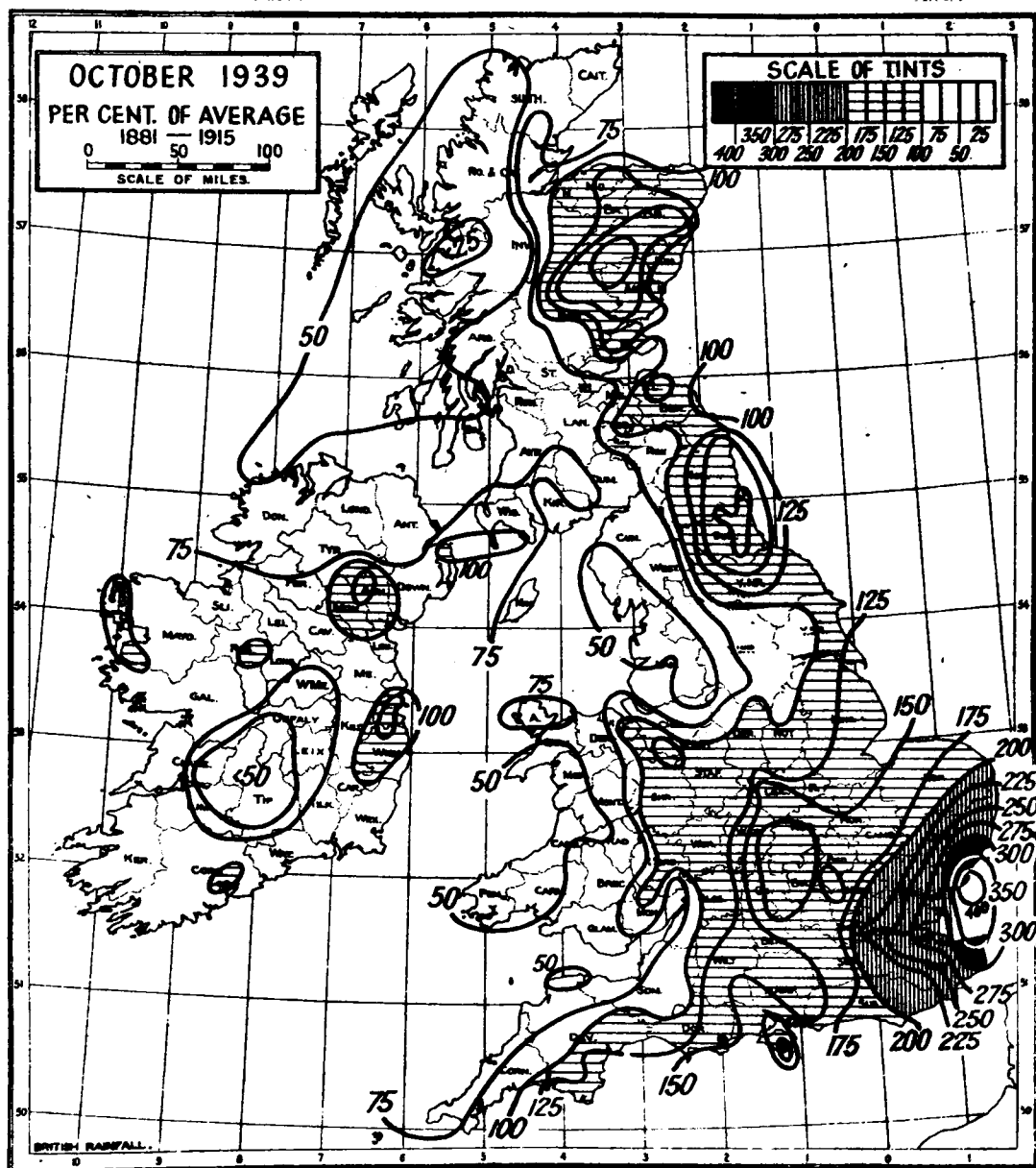


Rainfall, September, 1939, as per cent. of average.

and from Land's End to Plymouth. There was also less than 25 per cent. near Tenterden, Kent.

At Ilfracombe the total was .40 in. of which .24 in. fell on the 10th. In parts of Essex, Suffolk and Sussex there was also less than half an inch, and elsewhere in England and Wales very few stations recorded as much as 2 in.

The rainfall exceeded the average in the east of Great Britain and in south and central districts of England. There was less than half the average near Ilfracombe, in the west of Wales, north-west England, north-west Scotland and in Co. Tipperary and Co. Offaly. There was more than twice the average in the south-east of England, but only one-quarter in parts of Inverness-shire. The totals exceeded three times the average in the neighbourhood of the Thames Estuary

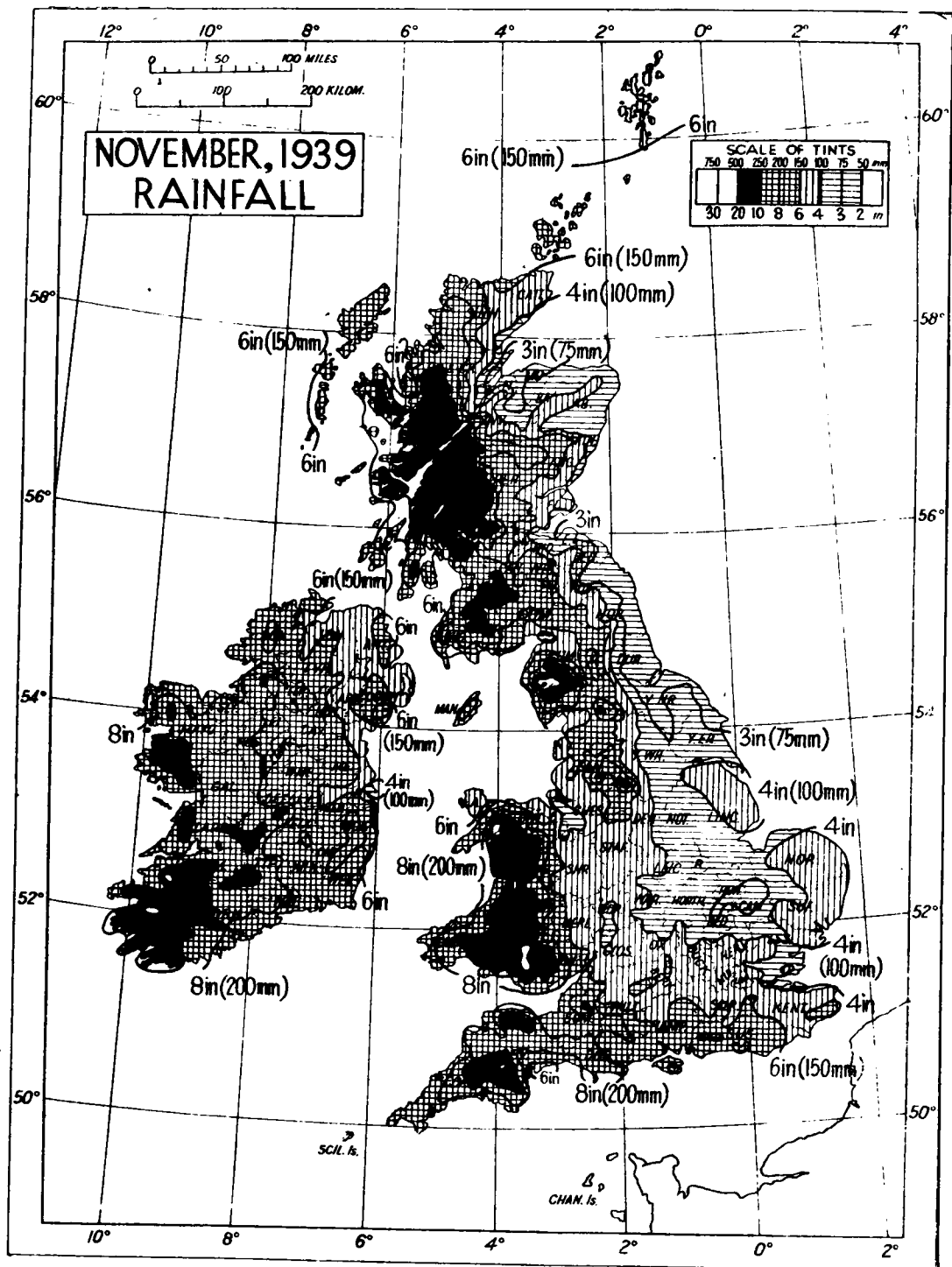


Rainfall, October, 1939, as per cent. of average.

and four times the average near Clacton-on-Sea, where the amount for the 9th to 19th was 6·86 in. Heavy falls of rain occurred on the 17th (see Section 7) and the amount for the 27th and 28th at Folkestone amounted to 4·72 in.

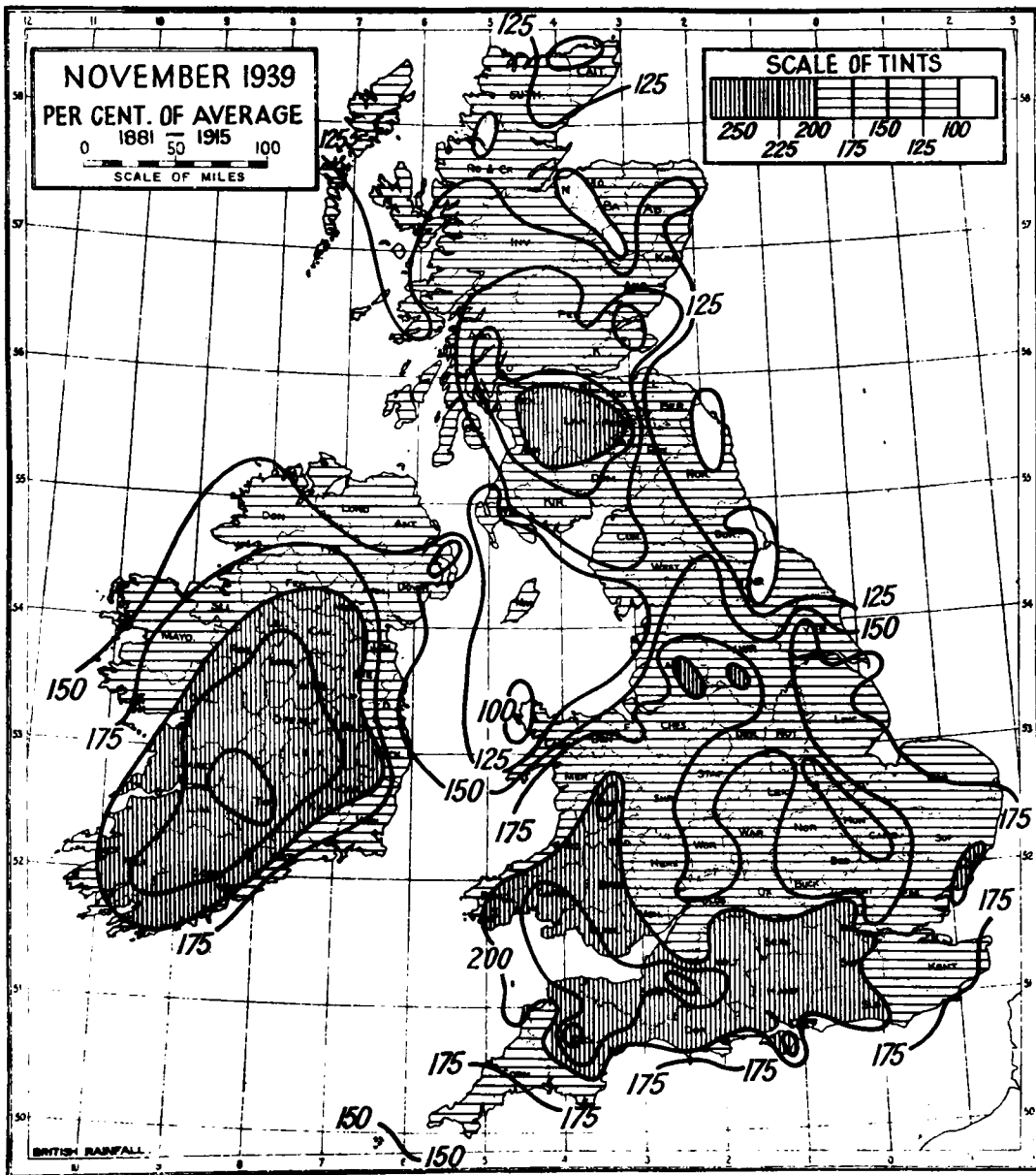
The map in inches shows the unusual feature of an area with more than 10 in. in the east of Kent

November.—The mean pressure was below the normal everywhere and the pressure gradient was steeper than usual. The deviation at 7h. ranged from — 8 mb. at Lerwick to — 2 mb. at Portland Bill and there was a predominance of southerly and westerly winds with dull weather and frequent gales.



Rainfall, November, 1939.

The total rainfall failed to reach the average in only small areas, *viz.* from Nairn to Balmoral, near Berwick-on-Tweed and Middlesbrough and at Holyhead. There was more than twice the average over large areas in the south-west of England and Wales, southern and central Ireland and the Southern Uplands of Scotland. The per-



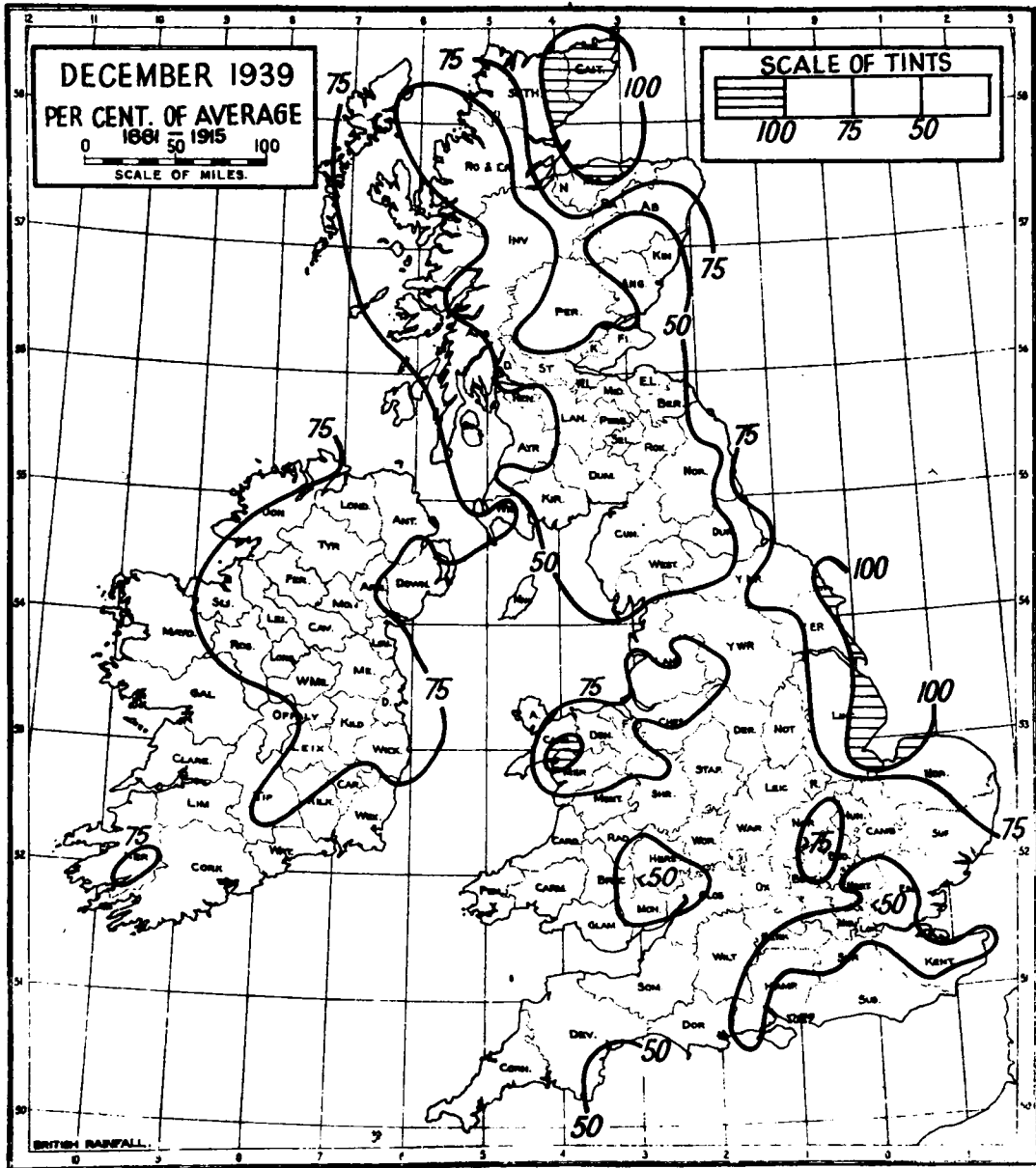
Rainfall, November, 1939, as per cent. of average.

centage-values at Cashel (Co. Tipperary), Okehampton and Chewton Mendip were 262, 268 and 271 per cent. respectively.

The map of the rainfall in inches shows large areas with more than 10 in., small areas with more than 20 in. and over 30 in. in the English Lake District.

with northerly winds, set in on the 27th and snow fell in many districts, although the amounts were small.

The total rainfall was less than the average everywhere, except in the north-east of Scotland, along the east coast from Scarborough to the Wash and in part of north Wales. There was less than half the



Rainfall, December, 1939, as per cent. of average.

average over large areas in Scotland and the north of England, in Herefordshire, near Torquay and from Bournemouth to Hertford and Margate.

The map of the rainfall in inches shows only small areas with more than 10 in.

Table XX.—Monthly Rainfall at 400 Stations in the British Isles during 1939.

ENGLAND, WALES AND THE ISLANDS

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
London	St. Pancras (Camden Square)	4.67	.89	1.32	2.58	1.33	1.20	1.62	3.45	1.58	6.10	4.98	.93	30.65
Surrey	Byfleet (Wisley R.H.S. Gdns.)	4.33	1.34	1.07	2.74	1.69	1.29	1.94	1.88	.82	5.09	4.64	1.17	28.00
Kent	Tenterden (Ashenden)	6.01	1.33	2.12	2.21	1.56	1.70	2.33	1.79	.51	7.34	5.44	1.56	33.90
"	Folkestone (Isolation Hospital)	5.41	1.36	2.31	3.09	1.38	1.75	1.90	1.93	1.79	14.11	5.91	1.32	42.26
"	Canterbury (t. Keyne)	5.14	1.04	1.67	2.19	1.86	1.23	1.19	1.62	1.49	10.90	4.04	1.30	33.67
"	Margate (Cliftonville)	4.37	1.18	1.72	2.31	2.01	1.32	1.46	1.16	1.41	10.28	3.83	.83	31.88
"	Edenbridge (Falconhurst)	5.65	1.38	1.42	2.37	1.45	.84	2.50	2.76	.90	7.90	6.15	1.94	35.26
"	Strood Waterworks	3.95	1.26	1.41	2.36	2.02	1.27	2.04	3.21	.75	7.59	3.82	1.30	30.98
"	Biggin Hill (Aerodrome)	5.59	1.64	1.59	2.87	2.06	1.06	2.92	4.45	1.35	7.70	5.76	2.04	39.03
Sussex	Bognor Regis (Waterloo Square)	5.18	1.41	1.32	3.09	1.23	1.11	2.33	1.87	.72	5.72	7.09	1.44	32.51
"	Compton (Compton House)	6.69	1.99	1.63	2.77	1.63	2.12	3.72	2.58	.98	6.32	7.97	2.91	41.31
"	Horsham (Wimblehurst)	5.18	1.72	1.24	2.68	1.74	1.14	3.13	2.86	1.51	5.87	5.43	1.87	34.37
"	Worthing (Beach House Pk.)	5.31	1.34	1.30	2.50	1.09	1.12	3.20	2.94	.83	6.45	6.63	1.71	34.42
"	Eastbourne (Wilmington Square)	5.74	1.75	1.46	2.11	.97	1.44	1.72	1.97	.78	8.25	6.64	1.87	34.70
Hampshire	Ventnor (Royal National Hospital)	5.72	1.62	1.49	3.04	1.56	1.78	2.43	1.90	.94	8.72	7.98	1.70	38.88
"	Calshot (Aerodrome)	4.30	1.15	1.09	1.74	.71	1.25	3.28	1.92	.65	6.91	5.87	1.52	30.39
"	Southampton (East Park)	5.92	1.30	1.31	2.15	1.30	1.92	4.71	2.04	2.22	6.05	6.33	1.84	37.09
"	Stockbridge (Leckford Estate)	5.26	1.44	1.17	2.28	1.05	1.94	5.55	3.12	1.34	5.33	6.35	1.74	36.57
"	Portsmouth (Victoria Park)	4.89	1.43	1.12	2.44	1.12	1.12	2.18	1.36	.72	6.26	5.22	1.85	29.71
"	Selborne (The Wakes)	7.03	2.22	1.61	2.84	1.80	1.79	5.45	2.39	1.25	6.14	7.63	2.53	42.68
"	Sherborne St. John	5.07	1.55	1.34	2.77	1.37	1.45	3.72	1.76	.80	4.75	6.41	1.37	32.36
Berkshire	Newbury (Wash Hill)	5.62	1.27	1.34	2.71	1.15	1.56	4.87	1.40	.89	4.35	5.29	1.86	32.31
"	Upton (Manor House)	4.25	.82	1.37	3.15	1.27	1.17	3.92	1.49	.72	4.00	3.31	1.08	26.55
Hertfordshire	Harpden (Rothamsted)	5.00	.78	1.69	2.73	1.67	1.96	2.02	3.01	1.31	4.37	4.28	1.34	30.16
"	Much Hadham	5.16	.73	1.99	2.40	1.13	1.23	2.54	2.23	1.67	5.34	4.82	1.42	30.66
"	Royston (Therfield Rectory)	4.79	.61	2.09	3.06	1.93	2.31	2.16	3.10	1.41	4.84	3.52	1.09	30.91
Buckinghamshire	Slough (Upton)	4.81	.97	1.25	2.66	1.66	1.26	2.23	2.10	1.81	4.63	4.71	1.09	29.18
"	Penn (Rayners)	4.93	1.40	1.66	3.31	1.84	1.92	3.17	3.52	.57	4.44	5.57	1.81	34.14
"	Wolverton (Gables Lodge)	4.32	.96	1.97	2.72	1.44	2.51	3.87	3.44	.65	6.62	3.99	1.99	34.48
Oxfordshire	Oxford (Radcliffe Met. Stn.)	4.45	1.05	1.57	3.02	1.18	1.97	4.18	1.67	.54	5.27	4.11	1.42	30.43
"	Upper Heyford (Aerodrome)	4.83	.93	1.91	2.92	1.27	2.50	4.35	2.65	.77	6.18	4.23	1.63	34.17
Northamptonshire	Daventry (Tunnel End)	5.68	1.00	1.60	1.87	1.15	2.44	3.33	5.19	.68	7.52	3.77	1.22	35.45

Table XX.—(con.) Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS—(con.).

County and River Division.	Station.	MONTHLY RAINFALL.												Total
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
N'thamptonshire	Wellington (Swanspool)	5.27	.86	1.59	1.92	.83	1.78	2.34	5.34	.63	4.49	3.30	2.16	30.51
"	Oundle (School)	3.97	.43	1.30	2.28	.57	1.62	2.76	4.83	1.28	3.52	3.15	2.15	27.86
Huntingdonshire	St. Ives (Slepe House)	3.74	.44	1.60	1.83	.65	2.18	1.93	3.53	1.54	4.19	2.79	1.14	25.56
Bedfordshire	Sandy (Mogerhanger Park)	4.19	.59	1.63	3.02	1.34	1.94	2.79	3.29	.82	3.26	3.00	1.42	27.29
Cambridgeshire	Cambridge (Botanic. Gdns.)	4.11	.42	1.70	2.81	.92	1.96	1.38	2.89	1.74	3.83	2.87	1.09	25.72
"	Littleport (Highfield House)	3.02	.44	1.71	1.56	.80	1.18	1.27	2.93	1.69	2.98	2.80	1.02	21.40
"	March	3.64	.51	1.34	1.85	.73	2.02	2.63	2.62	1.55	3.89	3.63	1.29	25.70
Essex	North Weald (Canes)	6.08	1.11	1.76	2.98	1.42	1.53	2.85	3.22	1.47	5.73	4.02	1.35	33.52
"	Shoeburyness	3.44	.95	1.68	2.16	1.80	1.25	1.03	1.82	.62	6.81	3.76	1.07	26.39
"	Bradwell-on-Sea (Bellropes)	4.79	.89	1.59	2.07	2.14	1.75	1.77	4.08	.43	8.63	3.53	1.34	33.01
"	Maldon	4.73	.88	1.46	2.29	1.43	1.40	2.34	6.24	.47	6.07	3.48	1.05	31.84
"	Gt. Bardfield (South Lodge)	4.95	.65	1.55	2.77	1.10	1.73	2.00	3.26	1.66	5.16	3.95	1.13	29.91
Suffolk	Copdock	5.55	.87	1.85	2.09	1.12	1.54	1.70	2.42	.33	8.29	4.39	1.32	31.47
"	Campsea Ashe (High House)	5.06	.84	2.15	3.23	.97	1.50	3.10	2.05	.91	8.77	4.63	1.35	34.56
"	Lowestoft (Secondary School)	4.78	.93	1.99	2.46	.61	1.25	2.27	3.90	1.55	6.45	4.31	2.22	32.72
"	Bury St. Edmunds (Westley Hall)	5.66	.93	2.52	2.89	1.16	2.02	3.39	3.87	2.36	5.59	4.06	1.48	35.93
Norfolk	Diss (The Cedars)	5.01	.88	1.71	2.01	.94	1.52	1.73	4.78	.79	4.93	4.11	1.50	29.91
"	Wymondham	5.87	1.05	2.08	2.63	.86	1.85	1.16	4.21	1.33	6.52	4.64	2.42	34.62
"	Cawston (The Poplars)	5.09	.78	2.56	2.66	.68	1.82	1.95	1.71	1.59	6.61	4.43	2.59	32.47
"	Cromer (Howards Hill)	4.20	.62	1.74	1.99	.80	1.47	1.74	2.13	.90	5.14	4.00	1.96	26.69
"	Wells (Holkham Hall)	4.02	.78	1.95	2.58	.59	2.57	1.82	1.79	1.53	4.49	3.69	2.03	27.84
"	Hunstanton	3.97	.70	2.20	2.24	.76	2.76	1.42	1.68	1.39	2.93	3.09	2.00	25.14
"	Thetford W.W.	4.83	.99	1.85	2.12	.68	1.49	1.97	3.06	1.80	4.66	3.76	1.83	29.04
Wiltshire	Fonthill House Gardens	6.30	2.20	1.86	2.97	.80	2.87	6.40	2.56	.99	3.91	9.25	2.65	42.76
"	Larkhill (School of Artillery)	4.27	1.57	1.12	2.08	.93	2.11	3.92	2.12	.94	4.21	5.79	1.73	30.79
"	Bishops Cannings	5.19	1.33	1.67	3.65	1.48	2.59	4.69	2.54	.92	4.26	5.76	2.23	36.31
Dorsetshire	Weymouth (Westham)	5.67	1.99	.94	2.11	.99	2.19	3.66	2.43	.82	6.07	6.07	2.10	35.04
"	Poole	6.05	1.66	1.13	1.93	.98	1.96	3.95	2.96	2.84	6.25	6.02	1.78	37.51
"	Beaminster (East Street)	7.24	3.08	1.55	2.72	.70	3.38	6.27	2.67	1.18	5.29	8.80	2.77	45.65
"	Blandford (Bryanston Gardens)	6.44	2.13	1.61	2.17	.84	2.23	5.57	6.58	1.50	4.93	7.41	2.60	44.01
Sth. Devonshire	Plymouth (The Hoe)	6.72	1.97	1.19	2.79	1.07	3.61	5.02	3.07	.57	5.26	7.11	3.05	41.43
"	Tavistock	7.19	2.69	1.71	2.93	1.26	3.39	9.06	3.89	.61	4.15	8.65	3.68	49.21

Table XX.—(con.) Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS—(con.).

County and River Division	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Sth. Devonshire	4 Holne (Church Park Cottage)	12.69	4.65	2.32	4.99	.78	5.07	10.74	4.53	.94	7.51	15.06	5.19	74.47
"	5 Teignmouth (Den Gardens)	6.74	1.89	1.54	2.33	.41	2.55	6.70	2.07	.95	5.14	5.85	1.57	37.74
"	6 Cullompton	6.98	1.79	1.29	2.58	.60	3.17	6.53	3.00	1.00	4.23	8.09	2.55	41.81
"	7 Sidmouth (U.D.C.)	5.98	1.39	.95	2.16	.90	2.82	4.78	2.26	1.37	5.05	4.73	1.45	33.84
Nth. Devonshire	2 Barnstaple (N. Dev. Athenæum)	5.81	1.50	1.43	2.35	1.06	1.07	5.28	2.86	.61	2.35	7.57	2.59	34.48
"	3 Okehampton (Uplands)	8.78	3.94	1.74	4.74	.77	3.54	8.34	4.40	2.02	4.91	14.27	4.09	61.54
"	3 Torrington (Enfield)	6.05	2.02	1.96	2.10	1.24	1.51	6.47	2.84	.76	3.39	8.36	2.91	39.61
Cornwall	1 Newquay (Mount Wise)	5.57	1.52	1.36	2.61	.98	1.66	5.29	1.33	.74	2.77	6.13	2.22	32.18
"	1 Bodmin (Castle Hill House)	(8.50)	1.86	1.87	3.52	1.42	2.47	7.54	3.24	1.32	3.87	8.19	2.66	46.46
"	1 Bude (School House)	5.01	1.77	1.12	1.47	.75	1.26	4.65	2.68	.88	2.87	7.37	2.89	32.72
"	2 Penzance (Morrab Gardens)	8.12	2.27	2.02	3.48	.78	2.36	5.15	2.13	.61	3.08	7.36	3.03	40.39
"	2 Falmouth (Observatory)	7.94	2.67	1.86	2.84	.94	3.06	5.39	1.65	1.33	4.21	8.43	3.41	43.73
"	2 St. Austell (Trevana)	8.41	2.81	2.40	3.84	2.11	3.02	8.15	2.53	.81	4.94	8.44	3.72	51.18
"	4 St. Mary's (C. Guard Station)	4.76	1.41	2.16	1.89	.55	2.06	3.17	2.33	.82	3.30	4.72	2.20	29.37
Somersetshire	1 Chewton Mendip (The Priory)	6.74	2.70	1.93	4.33	1.03	3.76	4.69	4.05	1.49	3.77	11.60	3.81	49.90
"	1 Bath (Henrietta Park)	5.15	1.51	1.58	3.15	.91	2.43	3.88	2.94	1.40	3.35	5.34	1.98	33.62
"	2 Street (Millfield)	4.85	1.31	1.24	2.61	.56	3.52	4.27	3.76	1.16	2.80	5.70	1.78	33.56
"	2 Burnham (Chalbury)	5.03	1.33	1.05	2.92	1.03	1.69	3.59	3.24	.89	2.42	5.19	2.32	30.70
"	3 Angersleigh (Leigh Court)	6.48	2.31	1.41	2.87	1.17	3.35	5.75	1.78	1.21	4.24	7.79	2.48	40.84
"	5 Brushford Rectory	9.07	2.43	1.85	3.67	1.01	3.07	9.51	4.06	.67	4.18	10.07	3.06	52.65
Gloucestershire	3 Cheltenham (Montpellier Gdns.)	4.88	1.12	1.63	2.83	.85	1.82	4.96	2.60	.81	2.69	3.68	1.70	29.57
"	4 Blockley	6.18	1.60	1.73	2.95	.94	2.45	4.75	1.66	1.36	4.22	4.22	2.00	34.06
"	7 Lechlade (Claydon Ho.)	5.13	1.14	1.54	3.54	1.24	(2.00)	4.28	2.13	1.68	4.10	4.39	1.86	33.03
"	7 Cirencester (Gwynfa)	5.83	1.47	2.11	4.01	.90	2.25	4.78	2.42	1.24	3.63	5.98	2.47	37.09
Herefordshire	1 Ross-on-Wye	5.67	1.39	1.23	2.54	.70	1.61	3.95	1.96	.57	2.35	4.22	1.44	27.63
"	1 Hereford (Belmont Abbey)	6.72	1.58	1.42	2.29	.58	2.00	4.61	2.03	.81	3.00	5.49	1.23	31.76
"	1 Kington (Lynhales)	5.77	2.00	1.42	1.96	.69	1.88	6.34	1.92	.68	2.61	6.23	1.80	33.30
"	1 Leominster (Hennor)	4.70	1.20	1.05	1.77	.78	1.71	4.34	1.46	.70	2.74	5.32	1.67	27.44
Shropshire	3 Bromfield (Warwick House)	5.39	1.68	1.38	1.93	1.05	1.37	4.54	1.83	.63	3.05	5.22	2.26	30.33
"	3 Bishops Castle (The Vicarage)	6.07	2.17	2.14	2.27	.81	1.30	6.40	1.48	.86	2.97	6.29	2.19	34.95
"	3 Church Stretton (Woolstaston)	6.31	2.51	2.63	2.76	1.01	1.45	6.38	1.15	.89	3.65	5.67	2.29	36.70
"	4 Shifnal (Hatton Grange)	4.88	.75	1.49	1.53	1.23	1.69	5.30	1.65	.55	3.51	3.94	1.66	28.18

Table XX.—(con.) Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS—(con.).

County and River Division.	Station.	MONTHLY RAINFALL.												Total.
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Shropshire	Cheswardine Hall	5.53	1.54	1.52	1.84	1.17	2.22	6.96	2.43	.77	4.02	4.88	2.06	34.94
"	Oswestry (Mount Reservoir)	7.91	2.51	3.26	2.78	1.74	2.67	7.61	1.82	1.36	3.43	5.50	2.42	43.01
Staffordshire	Lichfield (Hanch Res.)	5.50	1.12	1.21	1.85	1.28	1.02	4.13	2.70	.81	3.39	4.34	1.58	28.93
"	Stafford (Victoria Pleasure Gdns.)	6.41	1.41	1.36	1.78	1.47	1.91	5.88	3.59	.75	3.55	4.34	2.44	34.89
"	Mayfield	6.26	1.80	2.26	2.01	1.17	2.06	5.23	1.81	1.35	3.78	5.07	1.99	34.79
Worcestershire	Malvern (Free Library)	5.98	1.10	1.37	2.35	1.02	2.00	4.54	1.87	.44	3.32	4.20	1.75	29.94
"	Stourport (Lincombe Lock)	5.62	.83	1.27	1.77	1.08	1.38	4.04	1.47	.51	3.06	4.34	1.63	27.00
Warwickshire	Alcester (Ragley Hall)	4.83	.85	1.44	2.03	.86	2.16	6.17	2.41	.66	4.25	4.11	1.68	31.45
"	Warwick Castle Gardens	5.57	.99	1.48	1.58	.81	1.88	4.54	5.66	.73	3.39	4.36	1.74	32.73
"	Coventry (City Hospital)	5.22	1.18	1.50	1.85	1.41	1.41	5.02	4.63	.84	4.43	3.97	1.49	32.95
"	Birmingham (Edgbaston)	5.81	1.40	1.64	2.11	1.09	1.61	3.86	2.62	.97	3.35	4.57	1.66	30.69
Leicestershire	Leicester (Town Hall Square)	4.23	.91	1.24	1.75	1.03	1.19	3.60	4.63	.59	3.77	3.31	1.33	27.58
"	Grantham (Belvoir Cas. Gdns.)	4.06	.78	1.85	2.16	1.11	2.81	4.00	3.80	.78	3.09	3.28	1.35	29.07
Rutlandshire	Uppingham (Ridlington)	5.26	.69	1.80	2.22	.74	2.27	5.55	5.86	1.03	3.80	3.47	1.69	34.38
Lincolnshire	Spalding (Pode Hole)	4.58	.64	1.81	2.30	.78	1.69	3.14	2.49	1.35	4.25	3.00	2.11	28.14
"	Boston (Black Sluice, Skirbeck)	4.36	.49	1.98	2.05	.81	1.87	2.25	1.73	1.06	3.48	3.90	2.20	26.18
"	Cranwell (Aerodrome)	3.75	.67	1.95	1.85	1.01	1.88	2.46	3.03	.67	3.52	3.51	1.64	25.94
"	Horncastle	4.20	.89	2.33	1.89	1.26	3.08	3.06	1.50	2.21	3.99	4.40	2.59	31.40
"	Lincoln (Skellingthorpe Hall)	4.00	.86	1.96	1.71	1.30	2.79	4.57	2.23	.76	3.43	3.80	1.62	29.03
"	Skegness (Marine Gardens)	4.42	.68	1.79	2.09	.66	2.08	1.95	1.32	2.02	3.67	3.78	2.06	26.52
"	Louth (Westgate)	3.74	1.02	2.24	2.48	1.24	3.25	2.68	1.27	1.81	4.23	4.45	2.86	31.27
"	Brigg (Wrawby Road)	3.72	.92	2.01	1.74	1.29	2.40	5.09	3.44	.83	2.72	4.14	2.25	30.55
Nottinghamshire	Mansfield (Carr Bank)	5.49	1.42	1.83	1.55	1.29	2.14	3.92	2.58	1.00	3.14	3.77	1.74	29.87
Derbyshire	Derby (The Arboretum)	5.04	1.12	1.37	1.63	.98	.82	4.51	2.33	.94	3.29	4.25	1.89	28.17
"	Matlock Bath (Lower Tower)	6.86	2.01	2.38	1.61	1.69	1.77	5.58	2.23	1.31	4.44	5.33	2.17	37.38
"	Buxton (Terrace Slopes)	8.76	3.97	3.43	2.84	1.47	2.83	8.72	2.78	1.51	3.88	8.51	3.19	51.89
Cheshire	Northwich (Hunt's Lock)	4.75	2.21	1.63	1.76	1.35	2.99	6.10	1.54	.78	2.31	4.29	1.76	31.47
"	Birkenhead (Bidston Observatory)	4.25	2.15	1.56	2.02	1.30	2.54	6.12	2.19	.75	2.59	4.41	2.31	32.19
South Lancashire	Manchester (Whitworth Park)	4.64	3.65	1.60	2.13	1.91	2.58	6.12	1.73	1.11	1.50	5.33	2.99	35.29
"	Bolton (Queen's Park)	6.06	5.00	2.31	2.89	1.33	3.43	6.64	1.94	1.42	2.54	6.91	3.94	44.41
"	Helmshore (Clough House)	6.17	5.95	3.13	2.55	1.72	3.85	8.51	3.60	1.45	2.72	8.87	4.26	52.78
Central	Stonyhurst (College)	5.33	4.74	2.30	2.23	1.01	4.58	6.80	2.03	1.79	1.47	7.93	3.67	43.88

Table XX.—(con.) *Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS—(con.)*.

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Centl. Lancashire	Southport (Bedford Rd. Park)	4.34	2.03	1.88	2.08	1.14	3.12	5.82	1.76	.78	1.95	4.74	3.09	32.73
North	Ulverston (Poaka Beck)	5.12	3.96	3.04	2.26	.68	3.18	8.26	2.89	3.15	2.03	5.81	2.68	43.06
"	Morecambe	3.83	2.70	1.66	2.33	.82	3.59	5.88	1.81	1.41	.97	4.84	2.47	32.31
"	Blackpool (Stanley Park)	3.87	2.28	2.16	2.51	.76	3.01	5.01	2.25	1.44	1.68	4.36	2.46	31.79
Yorkshire, W.R.	Settle (Giggleswick School)	5.81	3.98	2.26	1.80	.82	3.56	6.53	2.86	1.04	1.67	6.58	3.03	39.94
"	Doncaster (Airport)	4.49	.77	1.82	1.66	1.53	1.60	3.15	1.88	(1.00)	2.41	2.97	2.14	25.42
"	Sheffield W.W. (Redmires Res.)	7.43	3.10	3.06	2.94	1.89	2.60	7.23	3.39	2.32	5.27	7.19	2.47	48.89
"	Wakefield (Clarence Park)	5.31	1.25	1.81	1.26	1.86	1.48	5.83	1.12	1.41	2.68	3.56	1.54	29.11
"	Bradford (Lister Park)	7.04	2.95	2.44	1.11	1.06	2.51	5.89	1.40	1.20	2.39	4.74	1.90	34.63
"	Ilkley (Spence's Garden)	5.42	4.50	2.36	1.79	1.19	2.44	6.55	1.04	1.37	3.43	6.02	2.77	38.88
"	Harrogate (Harlow Moor Obsy.)	4.74	2.70	2.05	1.39	1.02	1.74	5.81	2.06	.99	2.92	4.11	2.11	31.64
"	Nidderdale (New Houses)	8.10	3.92	4.36	1.85	.99	3.75	5.55	3.44	1.24	3.42	6.88	2.44	45.94
E.R.	Birdsall Gardens	4.54	1.71	2.92	1.23	1.66	2.86	3.65	1.98	1.06	4.66	3.53	1.91	31.71
"	Pattingham (Rose Cottage)	3.31	.63	1.72	2.03	1.03	3.45	3.32	3.41	1.05	5.23	3.78	2.48	31.44
"	Hull (Pearson Park)	3.87	.99	2.35	1.37	1.53	3.19	2.27	3.00	1.02	3.67	3.55	2.04	28.85
"	Holme-on-Spalding Moor	4.08	1.06	2.14	1.16	1.91	2.31	5.90	2.78	1.22	2.77	4.01	1.78	31.12
"	Lowthorpe (The Elms)	3.73	1.16	2.03	1.48	1.39	3.38	2.86	2.60	1.38	3.74	2.89	2.60	29.24
N.R.	Felixkirk (Mount St. John)	4.94	1.52	2.43	1.07	1.75	2.46	4.25	2.03	2.06	3.65	2.34	1.93	30.43
"	Reeth (Arkengarthdale)	11.27	4.16	4.59	1.78	.95	2.83	4.65	2.50	1.43	5.10	7.11	2.60	48.97
"	York (Museum)	3.46	1.65	1.79	1.28	1.37	1.67	4.20	2.09	1.30	2.24	2.80	1.58	25.43
"	Scarborough	3.58	1.31	1.83	1.72	1.62	3.21	2.32	2.37	1.73	3.12	2.80	2.38	27.99
"	Whitby (Mulgrave Castle)	5.09	1.21	2.16	1.78	2.12	2.88	2.10	3.42	1.65	6.84	3.05	2.15	34.45
"	Kildale Hall	5.02	1.68	4.39	2.02	2.99	4.16	3.45	3.42	3.15	6.07	2.39	2.19	40.93
"	Middlesbrough (Albert Park)	3.93	.63	2.08	1.19	1.48	2.08	2.72	2.45	1.08	4.58	1.64	1.10	24.96
Durham	Whorlton Vicarage	4.85	1.55	2.75	.71	.71	1.69	3.41	5.26	1.43	5.07	3.04	.93	31.40
"	Burnhope (Lodgegill Mine)	10.40	7.90	4.75	3.20	1.45	5.45	7.95	3.50	2.65	5.05	10.05	2.85	65.20
"	Durham (Houghall Hort. Stn.)	5.30	.77	2.97	1.14	1.40	2.65	3.08	4.54	1.59	5.84	3.64	1.31	34.23
"	Weardale W.W. (Waskerley)	4.48	1.61	3.51	1.24	1.83	2.97	4.51	4.86	1.98	6.56	3.44	1.60	38.59
Northumberland	Newcastle (Leazes Park)	4.16	.80	3.16	.99	1.20	2.07	3.09	2.45	1.06	4.79	2.37	1.47	27.61
"	Bellingham (Highgreen)	5.44	2.26	3.94	2.60	.77	2.36	3.52	3.24	1.33	49.2	4.37	1.28	36.03
"	Morpeth (Cockle Park)	5.52	.94	2.93	1.13	1.30	2.38	2.79	1.98	1.25	5.37	2.47	1.21	28.27
"	Howick Hall Gardens	5.23	1.10	2.27	1.09	1.06	2.16	2.83	1.12	2.27	3.31	2.28	1.78	26.50

Table XX.—(con.) Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS—(con.).

County and River Division.		Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Northumberland	6	Ilderton (Lilburn Tower Gdns.)	5.16	1.58	3.16	1.36	1.12	1.89	2.36	1.22	1.89	5.87	2.89	1.86	30.36
Cumberland	1	Penrith (Newton Rigg)	4.18	2.91	3.04	1.17	.61	2.74	4.96	2.54	1.55	2.73	5.29	1.33	33.05
"	1	Silloth	5.74	3.00	2.12	.93	.59	1.75	5.74	2.46	1.82	1.89	4.57	1.52	32.13
"	1	Geltsdale	5.01	2.93	3.89	2.01	.73	3.18	4.14	2.28	1.44	2.76	5.03	1.31	34.71
"	1	Carlisle (Scaleby Hall)	4.72	3.94	2.74	1.32	2.09	3.09	5.39	1.80	1.30	1.98	4.32	1.21	33.90
"	2	Borrowdale (Stockley Bridge)	16.00	22.00	11.00	6.75	1.90	12.50	16.75	4.00	5.75	5.00	27.00	5.25	133.90
"	2	Keswick (High Hill)	8.85	8.16	5.58	2.94	.79	4.68	7.69	3.43	1.80	3.20	9.46	2.68	59.26
"	3	Ravenglass (The Grove)	4.99	4.64	3.00	2.25	.44	3.78	5.86	1.43	2.31	1.97	4.65	1.71	37.03
"	3	Wast Water (Wasdale Head)	21.50	12.50	13.50	6.50	1.00	7.00	12.50	4.50	6.40	2.75	14.50	4.50	107.15
Westmorland	1	Kirkby Stephen (Eden Place)	7.59	4.16	3.32	1.16	.76	3.57	4.89	2.40	1.05	2.40	6.68	1.98	39.96
"	1	Appleby (Castle Bank)	6.19	3.01	3.10	1.20	.70	2.80	3.85	2.74	1.29	2.06	4.80	1.72	33.46
"	3	Kendal Gasworks	5.67	5.42	2.29	1.93	.67	3.54	7.23	2.32	2.15	1.33	8.08	3.13	43.76
Monmouth	3	Newport W.W. (Nantypriidd)	6.99	2.08	1.62	3.86	.89	2.53	7.02	4.34	.95	3.35	6.99	2.12	42.74
"	3	Abergavenny (Larchfield)	8.71	2.55	1.83	3.07	.70	2.28	7.29	2.21	.79	4.19	7.22	1.84	42.68
Glamorgan	3	Swansea (Victoria Park)	7.42	2.83	1.65	3.72	1.20	2.73	8.07	3.58	.66	2.64	10.17	3.52	48.19
"	3	Ystalyfera (Wern House)	9.40	7.47	3.19	5.17	1.09	5.46	13.24	4.59	1.13	4.06	16.07	4.59	75.46
"	6	Treherbert (Tyn-y-Waun)	14.78	9.81	4.05	7.20	1.36	6.36	17.78	5.36	1.85	6.81	20.44	5.36	101.66
"	7	Cardiff (Penylan)	6.59	2.84	1.69	3.37	.83	1.85	6.38	3.66	.80	3.38	8.71	2.72	42.82
Cardmarthen	2	Abergorlech	10.93	7.38	3.92	3.41	.69	3.82	10.86	4.60	.78	3.48	12.42	4.89	67.18
Pembroke	4	St. Ann's Head	6.48	3.08	1.76	1.93	1.06	1.52	7.81	2.53	1.27	1.59	7.60	2.62	39.25
"	4	Haverfordwest (Hospital Grounds)	7.37	2.98	2.42	3.24	1.40	1.62	9.10	3.46	1.03	1.53	8.67	3.71	46.53
Cardigan	2	Aberystwyth (Plant Breeding Stn.)	6.21	4.04	2.39	1.93	1.06	2.31	7.95	4.22	1.09	3.07	8.87	3.61	46.75
"	3	Cardigan (Plas Llangoedmore)	5.24	4.25	3.29	2.54	1.06	2.42	9.69	5.78	.97	2.54	7.97	2.76	48.51
"	3	Lampeter (Falcondale)	7.27	6.52	3.94	1.78	1.32	2.91	8.92	3.97	1.29	2.77	12.09	4.77	57.55
"	5	Plynlimon	10.50	10.00	4.25	5.50	1.50	5.00	15.00	6.00	3.00	3.50	20.00	7.00	91.25
Brecon	7	Swansea W.W. (Cray Res.) No. 1	12.30	6.89	3.20	4.83	.94	4.96	13.38	3.61	1.06	4.10	12.74	4.48	72.49
Radnor	1	Birmingham W.W. (Tyrmynydd)	11.07	7.62	4.29	4.62	1.25	3.28	9.37	3.29	.83	3.76	14.31	5.12	68.81
Montgomery	5	Welshpool (County School)	6.80	2.51	2.47	2.13	.90	1.77	7.50	.97	1.19	2.34	4.62	2.10	35.30
"	5	Lake Vyrnwy	12.19	7.16	4.04	3.45	1.12	3.69	10.46	3.10	1.30	3.90	13.15	5.41	68.97
Flint	1	Sealand (Aerodrome)	4.78	2.55	1.67	1.90	1.64	2.00	5.21	1.35	.51	3.36	4.04	1.77	30.78
Denbigh	1	Wrexham W.W. (Pack Saddle Res.)	6.37	2.38	2.77	2.59	1.54	2.13	5.88	1.60	.86	3.42	5.84	2.32	37.70
"	2	Llyn Aled (Rhyd-y-Bedd)	7.34	4.17	4.70	3.01	1.75	3.78	7.00	1.82	1.15	3.67	8.17	3.13	49.69

Table XX.—(con.) *Monthly Rainfall—ENGLAND, WALES AND THE ISLANDS—(con.)*

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Denbigh.....	2 Llangynhafal (Plás Drâw)	5.03	2.80	3.62	2.61	2.29	2.65	5.82	2.66	.75	3.46	5.54	2.08	39.31
".....	2 Denbigh (Garn)	5.96	2.19	2.94	2.15	1.83	2.61	5.55	1.77	.81	2.29	5.97	2.55	36.62
Merioneth.....	3 Blaenau Festiniog (Oakeley Q.)	10.99	11.87	4.58	5.90	1.26	7.06	14.84	5.43	2.74	4.42	18.98	12.39	100.46
".....	4 Dolgelley (Bontddu)	8.39	5.89	3.92	3.25	1.12	3.82	9.86	3.75	1.73	2.62	11.17	5.68	61.20
Carnarvon.....	2 Llandudno (Cricket Ground)	5.00	1.83	2.06	1.91	.77	1.74	3.73	1.51	.60	2.94	3.87	2.66	28.62
".....	3 Bethesda (Penrhyn Quarries)	11.03	7.04	6.34	3.61	1.86	3.62	8.71	2.28	1.83	5.18	10.40	5.92	67.82
".....	4 Pwllheli (West End)	7.09	3.59	3.07	1.98	.66	1.63	8.18	3.93	1.00	2.89	7.04	4.04	45.10
".....	5 Snowdon (Cwm Dyl)	18.87	15.07	8.74	6.36	2.09	8.19	15.74	7.71	3.29	7.88	19.67	13.15	126.76
Anglesey.....	Holyhead (Salt Island).....	6.04	3.06	2.58	1.90	.66	1.62	4.70	2.00	1.23	3.48	3.90	2.47	33.64
".....	Llanerchymedd (Llwydiarth Esgob).....	8.05	3.10	3.31	2.03	.84	2.02	5.32	1.70	1.14	3.42	5.61	3.17	39.71
ISLE OF MAN.														
Isle of Man.....	Douglas (Borough Cemetery)	6.19	3.45	3.28	2.31	.65	1.97	4.10	1.33	2.45	3.21	5.39	3.51	37.84
".....	Point of Ayre.....	4.90	2.87	2.28	1.63	.40	1.24	3.18	.88	2.43	2.25	4.38	2.22	28.66
Jersey.....	St. Heliers (Harbour Office)	5.17	1.61	1.97	1.60	.72	2.22	3.01	1.36	.62	5.43	4.24	2.27	30.22
Guernsey.....	St. Peter Port (Grange Road)	6.91	2.07	2.24	1.89	1.09	2.18	3.18	1.65	1.72	6.63	5.06	2.99	37.61
CHANNEL ISLANDS.														
Wigtownshire ..	3 Port William (Monreith)	5.18	3.23	2.64	1.69	1.00	1.71	4.29	1.59	3.71	3.96	4.77	2.43	36.20
".....	3 New Luce (Public School)	7.50	4.44	4.94	2.09	1.29	2.58	3.98	1.61	3.47	4.14	7.73	4.65	48.42
".....	4 Kirkcowan (Craighlaw)	5.83	5.29	4.27	2.46	1.25	2.63	6.75	1.34	3.38	4.38	9.48	3.29	50.35
Kirkcudbright ..	3 Dalry (Glendarroch)	5.89	7.11	5.27	2.29	1.02	3.37	5.35	1.85	2.42	3.40	9.11	2.91	49.99
".....	5 Lochrutton (Dumfries W.W.)	6.53	6.12	3.85	1.70	.65	2.82	5.71	1.89	2.20	3.81	7.16	1.84	44.28
Dumfriesshire ..	3 Moniaive (Glencrosh)	6.73	8.78	5.13	2.44	.83	3.30	5.01	1.73	2.89	4.00	10.04	2.92	53.80
".....	5 Langholm (Ewes)	7.36	7.38	4.81	1.90	1.10	4.82	7.23	2.42	2.70	3.96	7.61	2.75	54.04
".....	5 Eskdalemuir Observatory	6.76	9.26	5.62	2.47	1.20	4.23	7.21	2.34	2.88	3.32	9.28	3.09	57.66
Roxburghshire ..	3 Hawick (Wolfelee).....	6.33	4.43	4.26	1.11	1.25	2.83	3.43	1.74	1.63	3.50	4.74	1.40	36.65
Selkirkshire.....	1 Selkirk (Whitmuir Hall)	5.45	2.27	3.33	1.09	1.12	2.35	3.13	1.42	2.02	3.61	4.19	1.24	31.22
Peeblesshire	1 Edinburgh W.W. (Victoria Lodge) ..	5.95	7.67	5.19	2.25	.82	3.11	4.17	2.20	2.17	4.73	9.09	2.03	49.38
".....	2 Stobo Castle	4.20	4.18	2.85	1.56	.86	1.55	3.29	1.62	2.38	3.44	6.84	1.60	34.37

SCOTLAND.

Table XX.—(con). Monthly Rainfall—SCOTLAND—(con.).

County and River Division.		Station.	MONTHLY RAINFALL.												Total.
			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
			in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Berwickshire	4	Marchmont House	5.81	1.87	2.92	1.57	.87	1.80	3.50	2.13	1.55	4.19	3.16	1.06	30.43
	5	North Berwick Reservoir	3.47	1.14	1.70	.85	.82	1.55	2.75	1.49	1.54	2.82	2.30	.78	21.21
	4	Moorfoot Hills (Gladhouse Res.)	5.15	2.32	3.38	1.52	1.08	2.49	2.47	1.69	2.36	4.35	5.33	1.44	33.58
Midlothianshire	5	Pentland Hills (Harperigg)	6.64	3.49	4.58	1.89	.99	2.30	2.38	.92	1.89	2.49	5.85	1.74	35.16
	5	Edinburgh (Blackford Hill)	3.25	1.46	2.50	1.18	.97	1.31	2.33	1.36	1.48	1.99	3.51	.88	22.22
Lanarkshire	4	Gartcosh (Gartloch Hospital)	4.73	4.91	2.92	1.94	.92	2.32	3.88	1.63	2.36	2.25	6.75	1.67	36.29
	5	Strathaven (Dungavel)	4.28	6.18	4.30	2.63	.71	2.31	4.15	1.83	1.71	2.19	8.64	2.79	41.72
Ayrshire	3	Kilmarnock (Kay Park)	3.64	5.03	3.52	2.22	.84	2.08	4.60	2.39	2.34	1.30	8.14	2.92	39.02
"	6	Maybole (Culzean Castle Gdns.)	2.90	5.14	3.72	2.06	.51	1.82	3.31	2.64	2.02	1.36	7.53	2.60	35.61
	8	Girvan (Pinmore)	4.47	4.90	4.97	2.32	1.15	2.28	3.27	2.45	2.44	2.65	8.04	2.45	41.39
	13	Glen Afton (Ayr Sanatorium)	5.72	10.39	5.96	3.31	.77	2.82	3.86	1.95	1.80	3.98	12.10	3.38	56.04
Renfrewshire	2	Glasgow (Queen's Park)	4.71	6.14	3.91	1.71	.84	1.80	4.04	1.93	2.59	2.41	8.23	2.46	40.77
	3	Greenock (Prospect Hill)	4.96	8.79	4.40	3.66	1.41	1.72	5.39	1.79	3.09	3.63	11.24	3.06	53.14
Stirlingshire	1	Falkirk (Westbank Gdn.)	4.44	5.53	2.51	1.68	1.10	1.38	4.22	.77	2.06	2.38	7.46	1.71	35.24
	1	Rothesay (Ardencraig)	4.35	5.88	4.11	3.06	1.38	2.88	7.24	1.64	4.78	2.15	9.37	3.46	50.30
Buteshire	3	Dougarie Lodge	4.69	5.57	3.33	2.10	1.28	2.66	5.34	1.46	3.44	2.76	7.62	3.63	43.88
Argyllshire	2	Loch Sunart (Glenborrodale)	4.08	8.35	5.32	3.35	2.69	3.40	7.36	3.25	3.31	3.02	10.33	5.62	60.08
	3	Morvern (Kingairloch)	5.35	16.89	7.13	5.08	3.09	5.46	9.70	4.14	7.46	1.45	15.96	7.50	89.21
	7	Oban	2.95	8.92	3.64	2.57	1.45	2.66	8.12	3.54	3.49	1.62	11.75	3.70	54.41
	8	Lochgilphead (Poltalloch)	3.43	6.42	4.23	2.70	1.67	2.72	7.25	2.37	3.66	2.63	10.22	4.06	51.36
	9	Largs Castle	4.89	5.39	3.31	1.83	.95	2.08	4.95	2.30	3.76	4.60	6.95	4.20	45.21
	10	Monybacach (Skipness)	4.23	6.04	3.68	2.60	.80	2.39	7.39	1.51	3.17	3.84	9.47	3.48	48.60
	"	Ardishaig (Canal Office)	4.37	8.42	6.80	3.10	1.23	3.33	6.76	2.60	3.96	2.25	11.86	5.67	60.35
	"	Inveraray Castle Gardens	5.25	13.75	6.63	4.34	1.61	4.22	10.56	2.41	6.33	4.98	15.09	4.96	80.13
	12	Loch Eck (Ben More)	6.64	13.41	8.17	4.69	1.67	4.18	9.38	2.90	6.46	3.72	16.08	6.41	83.71
	14	Islay (Eallabus)	4.61	4.72	3.59	1.62	1.22	1.97	5.15	1.70	5.37	1.92	7.67	5.30	44.84
	14	Jura (Ardfin)	4.02	4.87	4.29	2.28	1.40	2.92	5.54	1.99	6.48	1.87	7.87	4.19	47.72
"	14	Colonsay	2.95	4.78	3.47	1.44	1.41	2.42	6.13	2.16	5.00	1.55	5.30	4.80	41.41
	14	Seil (An Cala)	2.76	7.28	3.60	2.56	2.29	2.90	7.39	2.46	4.08	2.58	11.15	4.20	53.25
	14	Mull (Bunessan)	4.04	4.86	3.30	1.58	1.88	2.86	7.27	1.99	4.91	1.52	7.01	4.71	45.93
	14	Mull (Gruline)	3.98	9.42	6.09	2.81	3.36	3.53	7.20	2.43	3.76	3.74	11.47	7.03	64.82
	14	Tiree	2.76	4.45	2.74	1.58	1.19	2.01	5.46	1.80	3.52	1.96	7.04	3.93	38.44

Table XX.—(con.) Monthly Rainfall—SCOTLAND—(con.)

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Kinross	Loch Leven Sluice	4.91	3.76	2.75	1.49	1.71	1.77	4.84	1.25	1.92	3.45	6.04	1.51	35.40
Fifeshire	Leuchars (Aerodrome)	4.19	2.22	2.06	.88	1.31	1.41	3.13	1.92	1.69	3.51	4.24	.82	27.38
Perthshire	Loch Dhu	7.55	11.50	6.50	3.95	1.35	4.20	8.75	2.35	4.20	4.90	13.80	5.30	74.35
"	Glengyle	6.90	13.00	7.60	5.40	1.80	4.00	10.00	3.85	5.60	6.00	15.00	4.75	83.90
"	Glendevon (Glenquey Reservoir) ..	5.96	7.36	4.19	2.74	2.09	3.29	7.72	2.55	2.93	3.94	10.72	2.78	56.27
"	Lochearnhead (Edinchip)	4.93	9.29	5.68	3.78	1.55	2.51	7.59	2.19	3.48	7.31	12.14	3.91	64.36
"	Crieff (Strathearn Hydro.)	3.53	3.73	2.67	1.83	1.37	1.94	5.47	1.69	2.98	3.24	6.44	2.60	37.49
"	Aberfeldy (Dall Avon)	3.82	4.14	2.45	1.96	1.04	.76	4.25	2.30	2.73	8.09	5.61	1.61	38.76
"	Tyndrum Manse	5.72	15.69	8.25	5.13	1.69	4.42	8.76	2.84	3.29	4.52	17.26	5.29	82.86
"	Loch Rannoch (Dall)	4.16	6.32	3.86	2.54	.96	1.53	4.08	1.94	2.33	5.35	7.52	2.08	42.67
"	Blair Atholl (Blair Castle Gdns.) ..	2.73	2.93	2.78	1.78	.99	1.38	5.40	1.70	2.83	5.08	5.42	1.97	34.99
"	Kirkmichael (Ballintuin House) ..	3.75	3.73	3.04	1.74	1.59	1.86	5.12	2.32	2.38	7.22	8.10	3.13	43.98
Angus	Kettins School	3.29	2.98	2.00	1.09	1.91	1.62	3.80	1.58	2.07	5.19	5.93	1.76	33.22
"	Arbroath (W. Cemetery)	3.98	2.13	2.26	.55	1.13	1.42	3.61	1.17	1.69	3.37	3.96	1.08	26.35
"	Glen Prosen (Pearsie House)	3.21	3.59	2.62	1.17	1.42	1.43	4.70	3.58	1.71	6.87	6.32	2.65	39.27
"	Montrose (Sunnyside Asylum)	2.94	2.29	2.42	.61	1.24	1.33	4.66	1.88	2.22	3.02	3.80	1.14	27.55
Kincardineshire ..	Strachan (Bridge of Dye)	5.67	4.47	3.90	.98	1.77	2.24	4.60	2.13	2.72	8.39	6.41	2.23	45.51
Aberdeenshire	Braemar (Bank)	3.27	3.77	3.22	1.42	.77	2.03	4.52	2.78	1.73	6.88	5.50	1.28	37.17
"	Balmoral Castle Gardens	3.50	2.76	2.68	1.21	.95	1.80	4.70	2.82	2.30	6.38	3.60	1.56	34.26
"	Lumphinan	3.79	2.27	2.68	.98	1.21	2.11	3.98	1.54	2.47	6.15	3.78	1.79	32.75
"	Aberdeen Observatory	3.73	2.60	1.97	.84	1.13	1.29	4.88	1.31	2.18	3.09	3.22	1.65	27.89
"	New Deer School House	4.37	2.37	2.86	1.62	.97	1.50	4.91	2.11	2.53	4.37	4.55	2.58	34.74
"	Peterhead (Forehill Works)	4.15	1.91	2.28	1.12	.85	1.45	4.27	1.74	1.72	2.81	4.05	2.40	28.75
"	Huntley (Cruchie)	3.75	1.79	2.35	1.88	1.29	1.89	4.91	1.96	2.87	4.46	3.41	1.83	32.39
Banffshire	Turriff (Forglen Gardens)	3.62	2.13	2.82	1.48	1.13	1.65	4.12	1.60	2.77	3.81	3.22	2.68	31.03
Marayshire	Fochabers (Gordon Castle)	3.51	1.48	2.17	1.38	.97	1.48	4.31	1.67	1.88	4.08	3.12	2.92	28.97
"	Grantown-on-Spey	7.15	1.37	2.01	1.73	1.02	2.54	5.71	1.86	3.07	3.50	2.75	2.09	34.80
"	Aberlour (Wester Elchies)	4.47	1.16	2.51	1.72	1.19	1.68	5.69	1.43	2.85	3.96	3.00	2.83	32.49
Nairnshire	Nairn (Golf Course)	2.77	1.60	1.74	1.17	.71	1.62	6.31	1.33	1.30	2.50	2.19	1.93	25.17
Inverness-shire ..	Cluny Castle	3.42	5.02	3.69	2.05	.71	1.59	5.38	2.19	2.16	1.90	6.01	2.36	36.48
"	Kingussie (The Birches)	4.05	3.99	2.81	1.67	.63	1.27	5.26	1.94	2.10	1.39	4.52	1.75	31.38
"	Loch Ness (Foyers)	4.46	4.86	3.30	2.27	.97	1.42	5.37	1.74	1.10	1.60	4.65	2.00	33.74

Table XX.—(con.) Monthly Rainfall—SCOTLAND—(con.)

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Inverness-shire	6 Inverness (Culduthel Reservoir) . . .	3.08	2.43	1.88	1.16	.83	1.08	5.15	1.88	1.42	2.03	2.84	1.91	25.69
"	7 Loch Quoich (Glenquoich)	6.55	19.11	11.19	6.52	2.01	4.25	9.23	5.23	3.11	2.18	15.47	8.15	93.00
"	12 Loch Nevis (Inverie Gardens)	5.05	11.01	6.21	4.94	2.34	3.74	9.49	3.55	3.55	1.50	10.63	5.00	67.01
"	13 Arisaig House	4.38	7.74	4.43	3.73	1.87	2.33	9.02	3.01	3.31	1.33	9.41	3.94	54.50
"	16 Fort William (The Factory)	7.10	15.61	6.35	3.35	1.83	3.13	8.19	3.80	2.61	2.31	11.54	3.39	69.21
"	17 Glenleven (Corrour)	5.27	11.39	6.17	4.53	1.38	3.27	6.89	2.40	2.79	2.62	11.88	4.50	63.09
"	18 Isle of Eigg	3.23	7.30	4.41	3.64	2.09	2.36	10.11	3.01	3.70	.84	9.48	4.25	54.42
"	18 Skye (Kyleakin, Dunringell)	4.20	10.93	4.66	4.11	1.67	2.25	6.42	2.75	2.83	1.02	9.88	3.78	54.50
"	18 Skye (Portree)	5.28	12.45	6.07	4.65	2.17	1.97	9.13	3.65	3.45	2.29	10.55	3.41	65.07
"	18 Skye (Dunvegan)	4.72	9.03	5.95	3.43	2.23	2.19	7.86	3.93	3.24	1.71	9.72	4.19	58.20
"	19 Barra (Skallary)	3.20	4.73	3.45	1.97	1.02	1.69	5.62	2.11	5.39	1.23	5.65	3.80	39.86
"	19 N. Harris (Amhuinsuidh Castle) . . .	6.59	7.15	4.83	3.85	1.98	1.99	8.68	3.00	2.90	2.85	7.80	5.24	56.86
Ross & Cromarty	3 Fortrose	3.22	2.37	2.31	1.34	.82	1.89	6.70	1.61	1.39	1.79	2.59	2.11	28.14
"	4 Dingwall (The Academy)	2.71	3.63	2.96	1.32	.68	1.27	2.58	1.62	1.38	1.77	3.41	2.10	25.43
"	5 Tain (Ardlarach)	3.23	2.11	2.75	2.28	.48	1.27	7.87	1.74	1.69	1.73	3.50	2.62	31.27
"	7 Inverbroom (Glackour)	5.10	6.47	4.27	3.87	.99	1.65	6.31	1.24	1.43	2.32	8.41	3.59	45.65
"	7 Ullapool	3.18	4.65	2.74	2.85	.73	1.15	7.41	1.12	1.57	1.81	5.29	2.72	35.22
"	8 P.olewe (Inverewe Gardens)	3.64	6.82	3.94	4.22	1.27	1.75	7.25	1.86	2.74	1.49	7.65	2.66	45.29
"	9 Loch Carron (Dunhulladale)	5.17	11.09	7.46	4.42	2.00	2.69	7.41	4.03	2.70	.93	9.73	4.69	62.32
"	9 Applecross Gardens	3.47	6.39	5.33	3.52	1.70	2.06	5.67	3.44	3.81	1.39	5.64	3.74	46.16
"	9 Achnashellach	5.80	12.36	8.29	6.79	2.40	2.53	7.24	3.96	1.93	2.45	11.47	3.70	68.92
"	10 Stornoway (C.G. Lookout)	4.86	5.43	4.08	2.57	1.20	1.30	5.66	2.53	2.74	3.28	6.36	2.97	42.98
Sutherlandshire	1 Laig	3.94	3.56	3.17	2.32	.98	1.47	4.38	1.38	1.85	3.14	4.85	3.11	34.15
"	4 Skerry (Borgie)	5.16	3.04	3.36	1.97	1.02	2.11	5.25	2.03	1.70	2.35	5.55	4.34	37.88
"	4 Melvich	5.01	2.51	2.25	1.55	1.16	1.82	5.33	2.28	1.61	2.73	6.71	4.64	37.60
"	5 Loch More (Achfary)	7.47	8.03	5.87	4.07	1.79	3.51	6.94	2.35	2.45	3.03	9.65	6.21	61.37
Caithness-shire	1 Berriedale (Langwell)	4.72	1.34	1.83	1.40	.78	1.15	4.52	2.95	2.18	1.48	3.03	2.49	27.87
"	2 Wick (C. Guard Station)	3.69	1.25	1.95	.99	.78	1.23	4.66	1.59	1.59	1.56	4.11	3.35	26.75
"	3 Thurso (Buckies)	4.19	2.12	2.86	1.22	1.05	1.55	5.09	2.08	2.32	2.86	5.98	4.62	35.94
Orkney	1 Kirkwall (Bignold Park)	4.11	3.97	2.59	1.34	.83	1.65	4.52	2.22	1.76	1.89	6.65	4.13	35.66
Shetland	1 Lerwick Observatory	5.42	3.57	3.01	2.70	1.09	1.62	3.67	2.96	1.26	2.12	5.04	2.47	34.93

Table XX.—(con.) Monthly Rainfall—Ireland.

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Co. Cork	Garinish Island	9.66	8.80	4.04	3.24	1.70	2.94	6.02	2.89	1.70	4.95	16.41	7.13	69.48
"	Castletownshend (Seafeld)	5.67	4.38	2.50	2.08	.84	2.06	3.93	1.68	1.08	4.76	11.26	4.27	44.51
"	Cork (University College)	5.70	4.38	2.93	2.08	1.08	1.78	4.20	1.58	1.65	4.53	9.00	2.89	41.80
"	Roches Point (C. Guard Stn.)	4.97	3.59	2.60	1.91	1.20	1.58	5.28	2.10	1.97	3.84	7.32	3.38	39.66
"	Mallow (Hazlewood)	3.39	4.28	2.62	1.28	1.08	1.58	3.23	2.10	2.49	2.65	9.67	2.83	37.20
"	Kanturk (Castlecor)	4.49	4.13	3.22	1.41	1.04	2.38	4.31	2.20	1.56	3.04	11.48	2.81	42.07
Co. Kerry	Valentia Observatory	7.22	4.99	3.63	2.26	1.78	3.13	6.15	1.91	1.80	4.17	10.08	4.43	51.55
"	Gap of Dunloe (Gearhameen)	16.90	11.70	6.70	4.10	2.70	4.80	8.70	2.70	2.80	8.40	22.20	9.50	101.20
"	Bally McElligott Rectory	5.22	4.47	2.55	1.11	1.25	2.48	5.05	1.90	1.29	6.23	9.56	3.24	44.35
"	Kenmare (Derreen)	10.60	8.47	5.85	4.60	2.59	3.88	5.81	2.80	2.98	4.72	15.48	5.11	72.89
"	Darrynane Abbey	6.82	3.95	3.01	1.81	1.58	2.01	5.28	2.17	1.28	3.88	9.26	3.20	44.25
"	Kenmare (Dromore Castle)	8.68	6.19	4.31	3.48	1.79	3.36	6.74	2.28	1.83	5.90	16.43	4.94	65.93
Co. Waterford	Lismore Castle	5.61	4.78	2.77	1.49	1.32	2.37	4.20	1.87	2.16	4.35	9.89	3.06	43.87
"	Waterford (Gortmore)	4.70	3.94	1.93	1.18	1.01	2.44	5.75	1.95	3.22	3.60	6.25	2.75	38.72
"	Carrick-on-Suir (Seskin)	4.43	4.69	3.13	1.50	1.33	2.34	4.98	1.58	2.50	2.65	7.51	3.61	40.25
Co. Tipperary	Nenagh (Traverston)	5.84	4.53	3.67	1.75	1.98	2.59	4.10	1.41	1.45	1.71	12.44	3.48	44.95
"	Nenagh (Castle Lough)	4.76	3.40	3.16	1.21	1.62	2.14	3.03	1.74	1.43	1.19	10.45	3.31	37.44
"	Terryglass (Slevyre)	4.46	2.72	2.50	1.01	1.29	1.59	3.32	1.50	1.94	1.34	8.15	2.07	31.89
"	Cashel (Ballinamona)	3.70	3.82	2.41	1.45	1.31	2.73	3.99	1.47	1.55	1.41	9.05	3.22	36.11
Co. Limerick	Abbeyfeale (Springmount School)	4.50	3.34	3.51	1.43	.71	1.75	3.71	2.48	1.57	3.95	10.91	2.94	40.80
"	Foynes (Coolnanes)	4.56	2.88	2.33	1.24	.62	2.28	3.27	1.93	1.26	2.95	9.00	2.80	35.12
"	Limerick (Mulgrave Street)	4.66	3.45	2.74	1.66	1.47	1.85	3.11	2.32	1.55	1.53	9.90	2.38	36.62
Co. Clare	Inagh (Mount Callan)	7.08	5.55	4.13	2.70	1.54	3.28	7.47	3.08	2.07	5.34	15.69	4.86	62.78
"	Dromoland Castle	4.74	3.05	2.84	1.32	1.43	2.20	4.89	1.73	1.34	2.70	9.67	4.06	39.97
Co. Wexford	Foulks Mills (Longraigue)	6.02	4.36	2.21	1.90	1.01	2.09	6.03	1.92	3.39	3.24	6.73	3.05	41.95
"	Enniscorthy (Woodbrook)	6.55	6.03	3.45	2.41	1.25	2.94	6.80	2.70	3.54	4.11	8.22	5.32	53.32
"	Gorey (Courtown House)	4.81	4.39	2.41	1.84	1.51	2.02	5.31	1.88	2.74	3.15	5.96	2.81	38.83
Co. Kilkenny	Thomastown (Mall House)	4.05	3.46	1.95	1.23	.96	2.62	5.43	1.80	1.77	2.29	7.10	2.53	35.19
"	Castlecumber House	4.47	3.78	3.48	2.19	1.50	2.56	4.41	2.03	2.16	2.52	8.20	3.27	40.57
Co. Wicklow	Newcastle (Killadreenan)	6.52	3.59	3.50	1.72	1.99	2.25	3.54	2.26	3.73	3.91	5.51	2.81	41.33
Co. Carlow	Bagnalstown (Fenagh House)	3.74	3.51	2.34	1.57	.86	2.11	6.52	1.52	2.31	2.86	7.22	2.74	37.30
"	Hacketstown Rectory	4.61	3.01	2.89	1.63	.86	2.04	4.70	1.96	3.36	3.91	7.94	2.85	39.76

Table XX.—(con.) Monthly Rainfall—Ireland—(con.).

County and River Division.	Station.	MONTHLY RAINFALL.												Total.	
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.		
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Co. Leix.....	2 Abbey Leix (Blandsfort)	3.74	3.39	3.26	2.19	1.31	2.45	3.58	1.62	1.29	1.94	7.82	3.14	35.73	
Co. Offaly.....	1 Birr Castle	5.03	2.74	2.70	1.08	1.33	2.28	3.59	1.45	2.25	.87	7.39	2.22	32.93	
"	1 Ferbane (Turraun Peat Works)	4.62	2.59	2.34	1.37	.99	2.28	3.68	1.85	2.23	1.77	6.83	1.61	32.16	
"	1 Ballycumber (Bellair House)	4.66	2.77	2.57	1.90	.92	1.79	4.12	2.05	1.88	1.22	7.47	2.28	33.63	
Co. Kildare.....	1 Athy (Cromaboo Bridge)	3.20	2.21	1.86	1.05	.87	1.83	4.10	1.68	1.48	1.25	6.00	1.98	27.51	
Co. Dublin.....	2 Dublin (Phoenix Park)	3.34	1.99	2.76	2.04	.67	2.12	2.57	2.30	2.89	2.89	4.26	2.01	29.84	
"	2 Howth Castle	4.31	1.76	2.30	1.64	.75	1.55	4.64	1.75	4.11	3.27	3.73	2.18	31.99	
"	3 Skerries (Milverton Hall)	4.69	2.28	2.98	1.78	.99	1.93	4.39	2.13	2.94	4.05	4.44	2.89	35.49	
Co. Meath.....	4 Summerhill House	4.92	2.73	2.98	1.99	.87	1.49	3.36	.99	1.89	2.87	6.97	2.84	33.90	
"	4 Navan (Tara Hall)	5.03	2.51	3.39	2.18	.69	1.82	3.54	2.03	2.65	3.90	6.68	2.78	37.20	
"	4 Kells (Headfort)	5.34	2.45	3.10	2.05	1.27	2.10	4.41	2.17	2.13	3.04	6.99	3.20	38.25	
Co. Westmeath.....	1 Mullingar (Belvedere House)	5.55	3.54	2.78	1.69	1.15	2.09	5.48	2.23	2.85	1.97	7.67	3.12	40.12	
Co. Louth.....	3 Greenone	5.27	2.44	2.91	2.08	.47	1.97	4.62	1.53	2.39	5.14	5.45	3.03	37.30	
Co. Longford.....	2 Ballymahon (New Castle)	5.33	3.25	2.50	1.86	1.31	2.50	5.48	2.29	2.00	2.53	7.94	3.11	40.10	
"	2 Newtownforbes (Cas. Forbes Gdns.)	5.11	3.49	2.66	1.98	1.24	3.86	4.39	2.21	2.08	2.62	8.40	3.09	41.13	
Co. Galway.....	3 Galway (Grammar School)	4.18	2.63	2.22	1.46	1.19	1.42	4.11	1.76	1.50	2.98	9.12	3.01	35.58	
"	3 Ballynahinch Castle	6.90	5.91	3.03	3.58	1.97	2.10	4.32	2.96	1.60	4.53	9.89	4.20	50.99	
"	3 Tuam Palace Gardens	5.17	3.56	2.98	1.45	1.30	2.42	4.60	2.32	1.13	3.34	9.09	3.56	40.92	
"	5 Ahascragh (Clonbrock)	4.60	3.25	2.86	1.78	1.30	2.95	3.90	2.84	1.33	2.91	9.62	2.87	40.21	
Co. Roscommon.....	4 Strokestown (Castlenode)	4.50	3.27	2.43	1.49	1.03	2.40	4.56	1.73	1.65	3.12	7.70	3.01	36.89	
Co. Mayo.....	2 Castlebar Rectory	6.02	5.29	3.89	2.96	1.50	2.83	4.18	2.81	1.45	5.14	9.47	4.71	50.25	
"	2 Ballina (The Rectory)	4.18	4.35	2.87	1.48	1.15	3.28	4.50	2.37	2.07	4.33	6.40	3.07	40.05	
"	3 Blacksod Point	4.44	6.72	3.54	2.34	1.74	2.24	4.63	2.19	1.78	5.26	7.64	3.77	46.29	
"	4 Mallaranny	7.20	6.45	4.09	3.29	1.72	2.94	7.01	3.63	2.74	6.13	13.32	6.31	64.83	
Co. Sligo.....	5 Delphi Lodge	9.25	11.22	5.98	5.45	3.71	6.63	11.34	5.14	3.17	10.36	17.95	7.34	97.54	
"	2 Collooney (Markree Castle)	3.43	4.46	3.41	1.77	.90	1.98	4.86	2.01	1.51	3.24	8.03	4.57	40.17	
"	2 Sligo (Ard-na-veagh)	3.21	4.15	3.62	1.80	1.16	2.19	4.18	1.70	2.08	3.08	7.60	3.43	38.20	
Co. Leitrim.....	5 Drumshanbo (Lough Allen Sluice)	3.49	3.43	2.40	1.37	1.26	1.85	3.66	1.46	2.11	3.77	7.09	3.58	35.47	
Co. Cavan.....	1 Crossdoney (Kevit Castle)	5.91	2.78	2.51	1.59	1.05	2.77	4.64	1.66	2.28	3.00	7.18	3.61	38.98	
Co. Fermanagh.....	1 Newtownbutler (Crom Castle)	4.79	3.08	3.14	1.96	1.41	4.63	5.20	1.03	2.19	2.78	7.58	3.66	41.45	
"	1 Enniskillen (Portora School)	3.17	2.39	2.30	1.71	1.32	2.40	3.62	.41	1.64	2.33	6.74	3.03	31.06	
"	1 Belleek (Heronshaw)	3.28	4.18	4.72	2.70	1.13	2.22	5.32	1.70	2.06	3.69	9.28	3.87	43.15	

Table XX.—(con.) Monthly Rainfall—Ireland—(con.).

County and River Division.	Station.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Co. Armagh	4 Markethill (Whitecross)	5.40	2.77	3.73	2.27	1.18	2.44	5.59	1.65	2.31	5.78	6.56	2.95	42.63
"	5 Armagh (Observatory)	3.20	2.04	3.02	2.39	1.26	1.94	4.41	1.61	1.79	3.59	4.90	2.35	32.50
Co. Down	1 Newry (Bridge Street House)	5.37	2.49	3.37	1.84	1.06	2.34	5.51	2.43	2.43	5.82	6.43	2.72	41.81
"	2 Silent Valley (Belfast W.W.)	8.51	4.86	4.08	3.66	.77	2.38	5.13	1.91	4.02	3.80	7.59	4.60	51.31
"	2 Seaford	5.34	2.60	3.51	2.28	1.56	1.63	4.49	1.84	2.85	3.33	5.02	2.13	36.58
"	4 Donaghadee (C. Guard Station)	3.96	2.44	2.79	1.80	1.37	1.80	4.20	2.23	2.41	3.08	5.27	2.99	34.34
"	5 Waringstown (The Forge)	3.86	2.12	3.06	2.11	.77	1.80	5.32	1.69	2.52	3.20	4.66	2.37	33.48
Co. Antrim	1 Belfast (Queen's University)	4.40	2.76	3.96	2.46	.82	1.86	5.62	1.56	2.46	2.38	5.80	2.60	36.68
"	2 Larne (Sallagh Springs)	5.34	4.62	5.00	2.99	1.19	2.39	5.74	1.90	2.85	4.53	6.58	4.31	47.44
"	3 Ballycastle (Magherintemple)	3.49	3.04	6.29	2.19	.80	3.30	4.36	2.49	3.19	4.09	5.28	3.06	41.58
"	5 Aldergrove (Aerodrome)	3.60	2.76	3.61	2.18	.83	1.87	6.08	2.30	3.21	2.01	4.69	3.04	36.18
"	5 Ballymena (Harryville)	4.47	3.94	4.74	2.33	1.56	2.29	5.44	2.83	3.92	2.54	5.20	3.67	42.93
Co. Londonderry	3 Garvagh (Moneydig)	3.54	3.11	3.97	2.20	1.05	4.21	4.76	1.69	2.65	2.23	4.88	3.77	38.06
"	3 Coleraine (Ingledene)	2.44	3.30	3.31	1.84	1.08	3.12	5.32	1.68	2.37	2.08	4.89	3.28	34.71
"	5 Glendora Lodge	5.87	6.35	5.24	3.72	1.25	3.72	6.76	2.48	2.98	5.08	8.66	6.40	58.51
"	5 Londonderry (Creggan Reservoir)	2.78	4.76	5.17	1.82	1.37	2.50	4.46	1.78	2.81	2.21	5.84	3.94	39.54
Co. Tyrone	2 Dungannon (Aloha)	4.04	2.81	3.75	2.66	1.60	3.00	5.79	2.21	2.21	4.05	6.36	3.32	41.80
"	3 Omagh (Edenfel)	3.27	4.02	3.96	2.46	.99	2.33	4.23	1.13	2.25	2.22	7.12	3.65	37.63
"	3 Sion Mills (Sion House)	3.07	4.04	4.26	2.00	1.14	1.87	4.72	1.94	2.08	2.10	6.71	3.92	37.85
Co. Donegal	1 Malin Head (C. Guard Station)	3.02	3.85	3.78	1.69	1.31	2.03	4.43	1.80	2.73	2.14	5.22	2.97	34.97
"	2 Buncrana Rectory	3.11	3.74	4.14	1.41	1.29	1.92	3.77	1.33	2.63	2.10	5.09	4.28	34.81
"	3 Dunfanaghy (St. Patrick's)	3.09	3.47	3.58	1.44	1.18	1.80	4.28	1.46	1.82	1.93	6.51	3.17	33.73
"	5 Dunkineely (Killaghtee House)	3.79	3.76	3.76	1.58	1.72	1.71	3.92	1.99	2.24	1.90	7.97	3.26	37.60

Table XXI.—*Monthly Rainfall in 1939; the Average, 1881–1915, being taken as 100.*

County and River Division.	Station.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
		%	%	%	%	%	%	%	%	%	%	%	%	%
London	2 St. Pancras (Camden Square)	251	53	72	168	76	59	68	156	87	232	211	39	125
Kent	1 Tenterden (Ashenden)	280	68	99	136	99	89	111	78	24	210	180	50	123
"	2 Margate (Cliftonville)	263	86	108	171	127	75	74	60	72	351	159	26	140
"	4 Edenbridge (Falconhurst)	231	62	57	127	78	38	109	105	40	219	173	59	115
Sussex	1 Compton (Compton House)	210	75	59	138	73	85	131	83	35	138	209	69	113
"	5 Eastbourne (Wilmington Square)	218	79	65	116	58	78	79	79	31	199	189	54	113
"	1 Ventnor (Royal National Hosp.)	223	77	73	181	92	97	120	95	38	222	249	52	135
Hampshire	1 Southampton (East Park)	222	57	57	116	65	96	207	78	102	154	202	50	120
"	4 Sherborne St. John	218	71	60	156	71	68	167	73	39	135	225	42	112
"	8 Royston (Therfield Rectory)	277	40	114	195	99	103	86	121	75	178	151	47	123
Hertfordshire	3 Slough (Upton)	259	57	71	186	99	61	116	97	103	165	212	43	122
Buckinghamshire	3 Oxford (Radcliffe Met. Stn.)	246	64	95	189	63	88	176	73	32	182	179	58	123
Oxfordshire	3 Wellingborough (Swanspool)	285	53	89	129	43	85	102	224	35	178	153	92	126
Northamptonshire	4 March	228	40	85	140	42	103	111	110	86	150	177	61	113
Cambridgeshire	2 Shoeburyness	255	77	124	179	138	71	56	103	37	289	177	58	133
Essex	3 Campsea Ashe (High House)	278	61	128	229	65	79	135	104	48	336	209	59	150
Suffolk	3 Lowestoft (Secondary School)	286	66	124	166	38	69	100	177	79	231	183	95	139
"	4 Bury St. Edmunds (Westley Hall)	316	62	133	189	64	96	136	149	119	206	177	61	143
"	5 Wells (Holkham Hall)	277	53	120	202	37	131	78	75	81	160	172	99	121
Norfolk	3 Bishops Cannings	224	63	74	181	76	107	188	82	42	128	201	68	120
Wiltshire	3 Weymouth (Westham)	233	92	46	127	61	123	203	114	39	166	196	60	125
Dorsetshire	3 Beaminstor (East Street)	207	102	53	115	34	150	241	85	46	119	222	58	121
"	5 Teignmouth (Den Gardens)	231	71	59	116	22	133	288	92	48	133	183	37	119
South Devonshire	6 Cullompton	215	64	47	114	28	150	243	98	44	102	235	58	119
"	2 Barnstaple (N. Dev. Athenæum)	178	54	55	111	51	48	196	87	23	52	193	58	94
North Devonshire	2 Okehampton (Uplands)	172	90	42	149	29	128	257	104	62	81	268	58	120
Cornwall	3 Penzance (Morrab Gardens)	214	68	63	143	35	106	189	67	21	66	161	53	99
"	2 St. Austell (Trevarna)	197	73	70	136	87	116	243	70	25	94	172	61	112
Somersetshire	1 Chewton Mendip (The Priory)	175	80	54	146	37	127	134	90	49	78	271	71	111
Gloucestershire	7 Cirencester (Gwynfa)	232	65	91	214	44	94	185	81	56	110	201	74	120
Hereford	1 Kington (Lynhales)	205	80	58	99	29	80	261	62	32	70	193	48	101
Shropshire	3 Church Stretton (Woolstaston)	249	114	111	128	39	60	260	35	44	101	193	68	115

Table XXI.—*Monthly Rainfall in 1939; the Average, 1881–1915, being taken as 100—(con.).*

County and River Division.	Station.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
		%	%	%	%	%	%	%	%	%	%	%	%	%
Shropshire	4 Chesardine Hall	250	87	72	105	53	91	257	73	38	129	188	73	120
Worcestershire	1 Malvern (Free Library)	271	61	71	131	47	86	199	63	23	111	167	63	108
Warwickshire	1 Alcester (Ragley Hall)	250	52	84	120	42	95	259	68	37	155	178	68	122
"	4 Birmingham (Edgbaston)	288	83	86	121	51	69	166	97	54	121	192	62	116
Leicestershire	4 Grantham (Belvoir Cas. Gdns.)	229	47	102	141	53	147	165	145	42	114	147	55	116
Lincolnshire	3 Boston (Black Sluice, Skirbeck)	269	34	127	152	46	103	102	72	60	127	195	102	115
"	4 Louth (Westgate)	172	53	106	148	61	150	107	45	90	131	172	103	112
Nottinghamshire	5 Mansfield (Carr Bank)	255	74	88	90	61	95	150	92	54	103	155	60	107
Derbyshire	6 Derby (The Arboretum)	241	67	77	96	49	35	183	86	55	121	188	70	108
Cheshire	3 Birkenhead (Bidston Observatory)	200	128	82	124	68	115	236	71	31	79	176	87	115
S. Lancashire	3 Manchester (Whitworth Park)	185	190	71	111	90	98	185	50	47	45	202	92	111
C. "	1 Stonyhurst (College)	125	141	62	82	35	149	176	40	47	33	176	75	94
N. "	1 Ulverston (Poaka Beck)	119	107	78	75	21	98	182	54	74	37	105	49	83
N. "	5 Blackpool (Stanley Park)	142	102	91	134	35	138	172	63	51	45	126	75	95
Yorkshire, W.R.	8 Wakefield (Clarence Park)	276	73	101	75	94	69	230	43	88	93	168	63	115
"	3 Hull (Pearson Park)	215	60	129	88	79	155	97	103	59	123	162	85	114
"	2 Felixkirk (Mount St. John)	247	90	123	64	93	112	156	71	113	127	96	80	115
"	3 York (Museum)	195	109	107	80	69	81	167	83	80	83	134	71	105
"	5 Scarborough	179	78	102	110	85	174	95	85	97	100	113	100	109
"	6 Middlesbrough (Albert Park)	246	48	132	87	77	110	106	89	65	153	77	57	105
Northumberland	3 Newcastle (Leazes Park)	210	52	153	62	61	98	121	87	54	155	101	63	105
"	4 Bellingham (Highgreen)	190	89	134	120	32	103	107	92	55	126	127	35	102
"	6 Ilderton (Lilburn Tower Gdns.)	249	79	119	69	48	81	96	43	80	159	86	71	100
Cumberland	1 Carlisle (Scaleby Hall)	190	177	112	68	87	133	165	44	48	59	144	38	101
"	2 Keswick (High Hill)	175	165	124	96	25	161	200	66	43	57	167	40	108
"	3 Ravenglass (The Grove)	149	151	97	91	16	145	156	83	69	46	104	37	87
Westmorland	1 Appleby (Castle Bank)	193	102	116	62	32	122	122	31	51	59	145	43	96
Monmouthshire	3 Abergavenny (Larchfield)	258	80	60	121	26	93	293	74	34	100	189	41	114
Glamorganshire	3 Ystalyfera (Wern House)	149	145	60	136	31	145	288	74	26	59	245	55	116
"	7 Cardiff (Penylan)	179	97	54	135	34	74	207	87	26	71	215	54	103
Pembroke	4 St. Ann's Head (C. Guard Stn.)	196	116	68	99	55	77	316	80	47	38	200	58	111
Radnorshire	1 Birmingham W.W. (Tyrmynydd)	176	145	80	125	36	100	228	61	22	57	215	62	111

Table XXI.—*Monthly Rainfall in 1939; the Average, 1881–1915, being taken as 100—(con.).*

County and River Division.	Station.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
		%	%	%	%	%	%	%	%	%	%	%	%	%
Montgomeryshire 5	Lake Vyrnwy	216	158	94	115	36	117	305	60	37	69	237	79	128
Merionethshire 3	Blaenau Festiniog (Oakeley Q.) ..	117	160	59	106	24	118	190	53	38	47	196	107	103
" 4	Dolgelley (Bontddu)	147	132	80	89	34	110	231	67	41	43	180	83	104
Carnarvonshire 2	Llandudno (Cricket Ground)	207	94	101	113	43	92	167	54	28	87	134	92	102
Anglesey	Holyhead (Salt Island)	208	125	98	91	34	75	180	63	46	87	94	59	96
Isle of Man	Douglas (Borough Cemetery)	185	108	111	95	26	81	134	35	75	71	114	71	92
Channel Islands ..	Guernsey, St. Peter Port (Grange Rd.)	236	84	91	94	65	118	157	70	66	147	120	73	113
Wigtownshire 3	Port William (Monreith)	158	105	93	77	43	73	153	41	127	100	111	53	94
" 3	New Luce (Public School)	185	116	140	79	45	89	117	36	97	89	151	84	104
Kirkcudbrightshire 3	Dalry (Glendaroch)	106	140	117	75	32	121	149	39	66	65	152	41	92
Dumfriesshire 5	Eskdalemuir Obsy	125	187	115	73	36	134	176	45	78	61	160	44	103
Roxburghshire 3	Hawick (Wolfelee)	198	136	127	49	53	121	111	32	63	91	122	33	97
Peeblesshire 2	Stobo Castle	140	151	98	75	38	66	113	46	94	100	207	42	98
Berwickshire 4	Marchmont House	258	90	110	78	35	78	115	64	64	110	105	38	95
East Lothian 5	North Berwick Reservoir	201	73	90	61	41	93	107	47	74	95	103	36	84
Midlothianshire 5	Edinburgh (Blackford Hill)	185	88	127	80	47	65	83	42	72	73	157	38	84
Ayrshire 8	Girvan (Pinmore)	95	115	132	78	39	79	90	55	64	53	151	41	83
" 13	Glen Afton (Ayr Sanatorium)	112	236	142	110	26	94	92	36	46	78	220	53	105
Renfrewshire 2	Glasgow (Queen's Park)	141	209	150	87	34	78	138	55	94	74	221	58	113
" 3	Greenock (Prospect Hill)	77	166	95	106	43	55	146	35	69	71	185	41	91
Bute	Dougarie Lodge	109	148	95	74	46	98	168	34	90	67	145	66	95
Argyllshire 2	Loch Sunart (Glenborrodale)	58	139	96	80	75	106	158	57	53	46	138	65	87
" 8	Lochgilphead (Poltalloch)	68	149	110	89	58	89	176	48	80	53	182	64	97
" 11	Inveraray Castle Gardens	64	203	105	94	41	107	212	37	99	71	179	50	104
" 14	Islay (Eallabus)	99	113	94	56	46	75	151	39	128	40	143	89	92
" 14	Tiree	65	129	82	64	48	79	151	40	95	43	146	75	86
Kinross-shire 2	Loch Leven Sluice	156	133	92	78	70	81	168	33	75	100	168	38	99
Fife-shire 3	Leuchars (Aerodrome)	230	127	106	55	67	84	120	62	88	135	185	33	107
Perthshire 1	Loch Dhu	83	154	99	83	30	101	181	35	73	69	159	53	93
" 7	Crieff (Strathearn Hydro)	88	106	83	84	55	73	184	40	104	82	148	58	92
" 14	Blair Atholl (Blair Castle Gdns.) ..	82	105	106	84	49	70	211	50	119	164	154	52	104
Angus 4	Montrose (Sunnyside Asylum)	148	124	116	34	61	80	177	67	112	109	143	41	102

Table XXI.—*Monthly Rainfall in 1939; the Average, 1881–1915, being taken as 100—(con.).*

County and River Division.	Station.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
		%	%	%	%	%	%	%	%	%	%	%	%	%
Aberdeenshire	1 Balmoral Castle Gdns.....	127	106	94	56	41	106	184	93	96	177	98	46	104
"	2 Aberdeen Observatory	171	127	82	45	48	75	174	48	98	103	109	51	95
"	4 New Deer Schoolhouse	188	111	110	81	44	75	160	71	100	115	135	75	107
Morayshire	2 Fochabers (Gordon Castle)	174	77	94	79	46	73	135	53	75	129	108	109	97
"	3 Grantown-on-Spey.....	295	65	76	88	44	113	186	58	124	118	92	77	112
Nairnshire	2 Nairn (Golf Course)	139	89	93	78	39	92	235	55	59	106	93	87	100
Inverness-shire	6 Loch Ness (Foyers)	106	105	103	105	40	64	178	57	37	48	119	45	88
"	7 Loch Quoich (Glenquoich)	48	185	115	100	37	87	144	64	36	22	127	56	84
"	13 Arisaig House	71	156	95	104	54	71	182	52	55	23	140	54	87
"	17 Glenleven (Corrour)	62	173	106	111	36	97	166	44	52	43	159	49	90
Ross and Cromarty	5 Tain (Ardlarach)	114	85	111	116	21	62	266	60	67	57	108	84	98
"	7 Ullapool.....	69	109	66	92	29	49	234	32	42	37	99	43	73
"	9 Achnashellach	60	170	116	120	54	64	141	59	27	31	126	37	82
"	10 Stornoway (C. Guard Lookout).....	99	128	105	89	49	59	197	67	73	67	115	50	91
Sutherlandshire	1 Lairg	120	115	102	100	39	70	140	44	65	84	122	77	92
"	4 Melvich	152	84	79	67	57	94	190	77	57	74	168	108	104
"	5 Loch More (Achfary).....	103	122	91	84	41	95	130	40	43	39	113	67	81
Caithness-shire	2 Wick (C. Guard Station)	150	55	86	50	38	68	177	58	64	53	131	109	89
Orkney	2 Kirkwall (Bignold Bank)	114	126	89	62	40	85	169	74	58	48	163	95	97
Co. Cork	7 Cork (University College)	141	117	98	79	48	70	155	47	62	116	224	56	105
"	8 Roches Point (C. Guard Station) ..	120	97	86	71	49	56	183	56	66	94	174	63	95
Co. Kerry	3 Valentia Observatory	132	96	80	62	56	98	163	40	43	75	184	67	93
"	4 Darrynane Abbey	136	85	74	53	53	64	139	50	36	77	182	54	87
Co. Waterford	3 Waterford (Gortmore)	129	122	71	47	44	93	181	51	118	92	169	60	100
Co. Tipperary	1 Nenagh (Castle Lough)	120	109	103	48	66	87	96	44	51	35	260	72	95
"	3 Cashel (Ballinamona)	99	121	89	59	56	120	139	42	64	40	262	75	98
Co. Limerick	2 Foynes (Coolnanes)	121	90	79	51	27	88	106	50	44	78	221	59	89
"	2 Limerick (Mulgrave Street)	122	110	93	69	62	77	107	65	59	44	256	51	96
Co. Wexford	4 Gorey (Courtown House)	154	156	104	84	68	83	181	56	111	89	171	74	112
Wicklow	4 Newcastle (Killadreenan)	206	135	137	68	81	90	113	61	152	107	150	80	115
Co. Carlow	2 Bagnalstown (Fenagh House)	119	138	96	69	35	85	207	43	94	85	216	73	107
"	3 Hacketstown Rectory	130	100	103	62	33	73	136	48	120	103	204	69	101

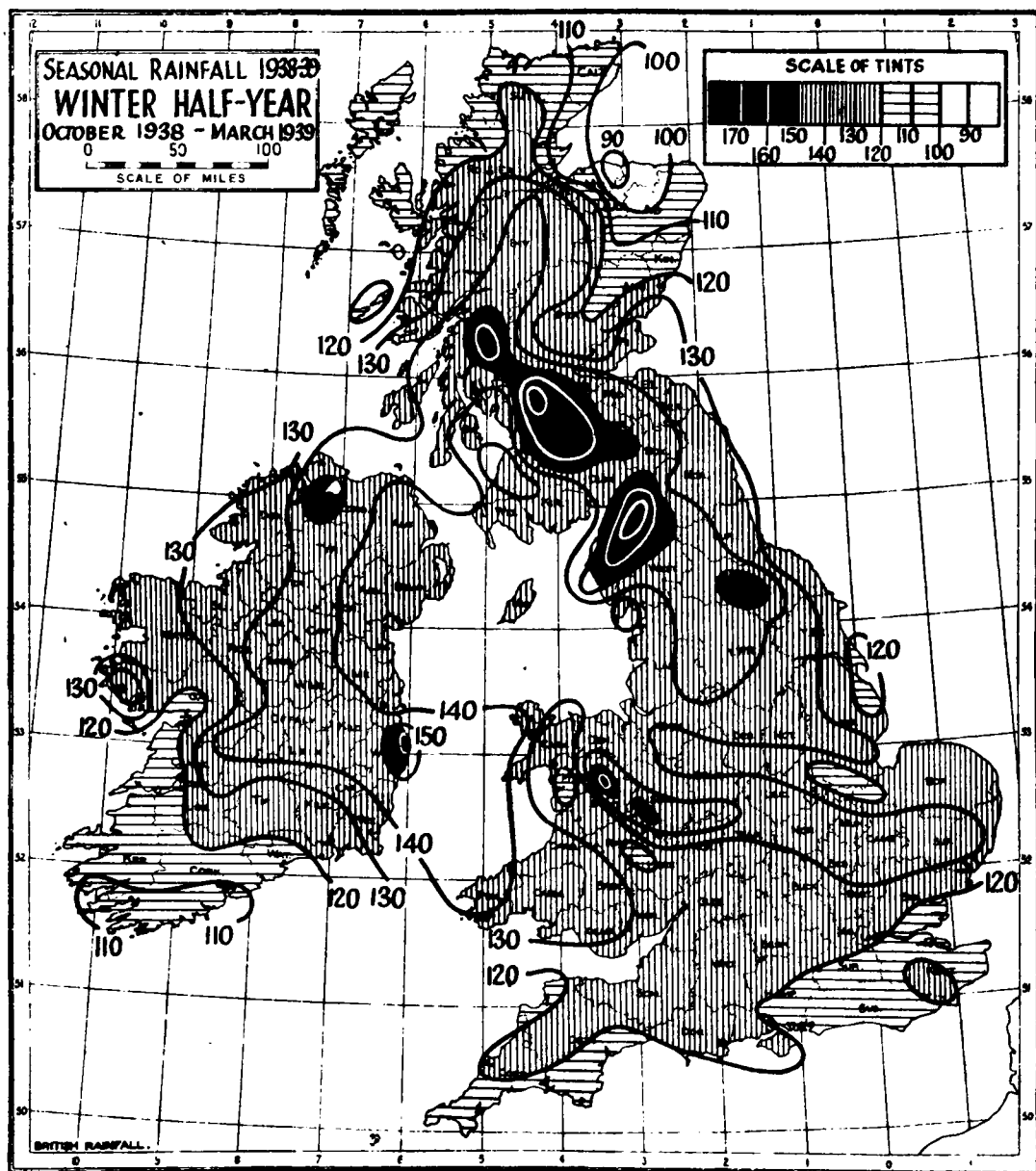
Table XXI.—*Monthly Rainfall in 1939; the Average, 1881–1915, being taken as 100—(con.).*

County and River Division.	Station.	MONTHLY RAINFALL.												Year.
		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
		%	%	%	%	%	%	%	%	%	%	%	%	%
Co. Leix	2 Abbey Leix (Blandsfort)	114	126	124	84	54	95	114	41	47	55	234	75	98
Co. Offaly	1 Burr Castle	178	120	113	50	60	99	122	38	98	101	238	67	101
Co. Dublin	2 Dublin (Phoenix Park)	147	111	142	113	32	107	96	73	151	109	151	79	108
Co. Meath	4 Kells (Headfort)	170	91	112	82	47	79	139	52	80	91	206	84	103
Co. Westmeath	1 Mullingar (Belvedere House)	173	127	103	71	47	80	172	53	107	63	225	85	110
Co. Longford	2 Newtownforbes (Cas. Forbes Gdns.)	153	123	90	83	48	149	141	54	72	80	233	78	110
Co. Galway	3 Galway (Grammar School)	112	87	74	62	48	55	128	43	47	80	224	66	89
"	3 Ballynahinch Castle	111	115	59	101	55	59	104	54	34	76	165	68	84
"	5 Ahascragh (Clonbrock)	119	105	86	70	47	105	112	68	43	80	239	61	97
Co. Roscommon	4 Strokestown (Castlenode)	144	123	88	68	43	102	163	46	61	102	226	80	105
Co. Mayo	3 Blacksod Point	87	166	86	81	62	80	147	48	46	105	147	62	93
"	5 Delphi Lodge	93	133	72	95	61	115	171	60	42	109	173	60	99
Co. Sligo	2 Collooney (Markree Castle)	87	127	99	67	32	66	140	46	45	79	193	97	92
Co. Fermanagh	1 Newtownbutler (Crom Castle)	144	105	101	77	51	171	149	25	78	86	218	88	107
Co. Armagh	5 Armagh (Observatory)	127	92	129	114	53	77	153	44	73	132	173	75	102
Co. Down	2 Seaforde	170	85	120	87	59	59	141	49	104	94	132	52	96
"	4 Donaghadee (C. Guard Station)	156	106	127	90	60	77	150	67	101	107	173	94	110
Co. Antrim	5 Aldergrove (Aerodrome)	131	115	144	103	37	78	217	64	129	67	145	89	110
"	5 Ballymena (Harryville)	120	122	150	88	55	79	159	66	126	69	128	83	103
Co. Londonderry	5 Londonderry (Creggan Reservoir)	77	149	162	71	52	89	122	38	85	60	145	90	95
Co. Tyrone	3 Omagh (Edenfel)	92	135	126	94	38	85	124	26	74	60	187	86	94
Co. Donegal	3 Dunfanaghy (St. Patrick's)	88	113	112	62	52	75	146	39	61	50	157	70	87
England	(general mean*, 59 stations)	225	80	90	129	59	102	159	86	56	134	174	63	†
Wales	(" " 10 ")	185	125	75	113	35	100	241	67	45	66	191	69	..
England and Wales	(" " 69 ")	219	87	88	127	56	102	171	83	53	124	176	64	..
Scotland	(" " 44 ")	127	130	103	80	44	84	160	51	76	78	142	59	..
Ireland	(" " 35 ")	129	116	104	75	51	88	143	50	78	81	194	73	..
British Isles†	(" " 150 ")	171	106	96	101	51	93	161	65	66	100	170	65	..

The "general" values given in the last six rows are obtained by taking the means of the percentage values for the stations.
† Including Isle of Man and St. Peter Port, Guernsey. ‡ See Table XXIII.

9. SEASONAL RAINFALL, 1938-39.

There are definite advantages in considering the rainfall of the winter and summer separately. One defect of the calendar year

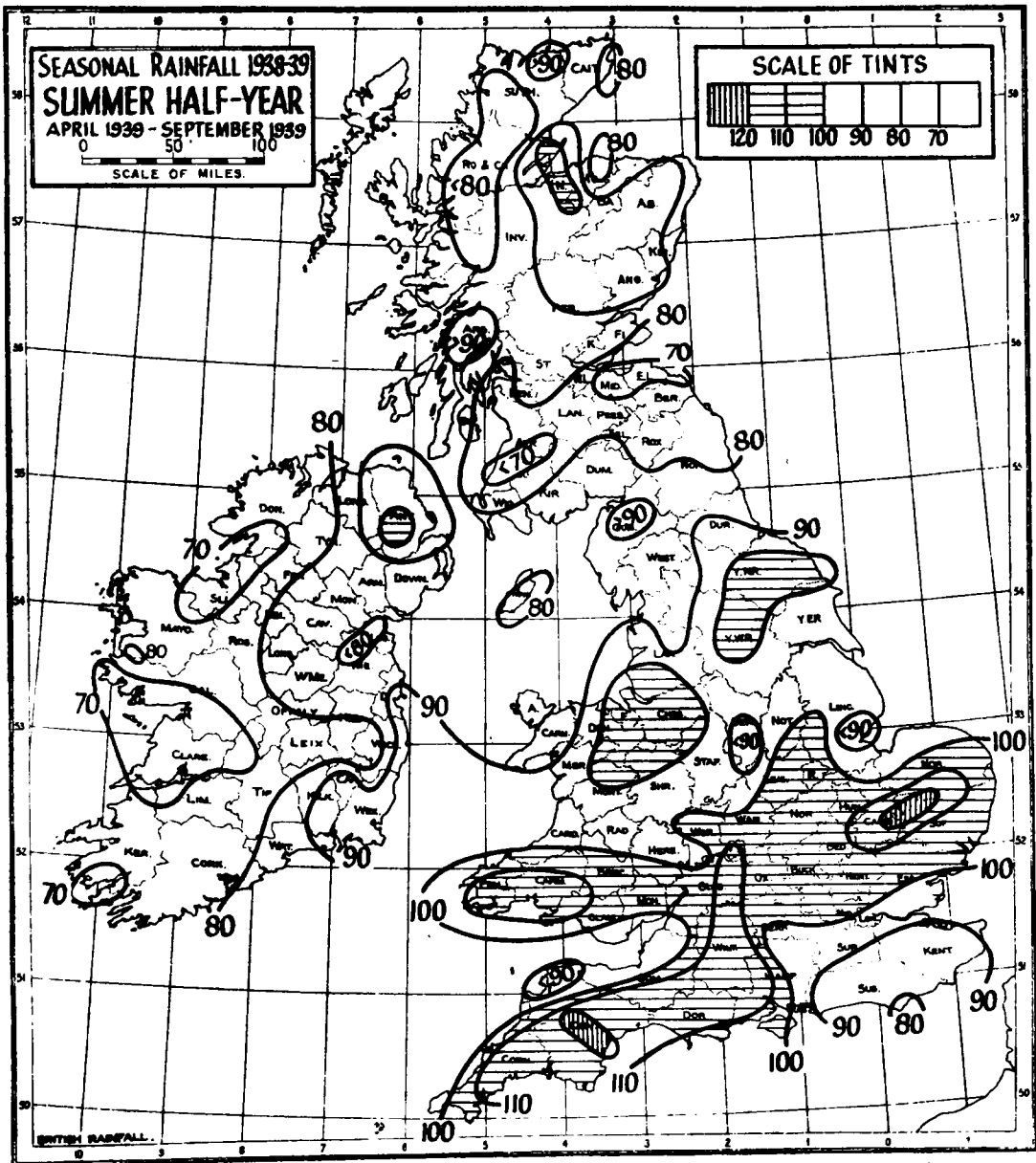


Rainfall Winter Half-year, as per cent. of average.

as a unit of time for rainfall purposes is that part of a winter is included in one calendar year and the other 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.

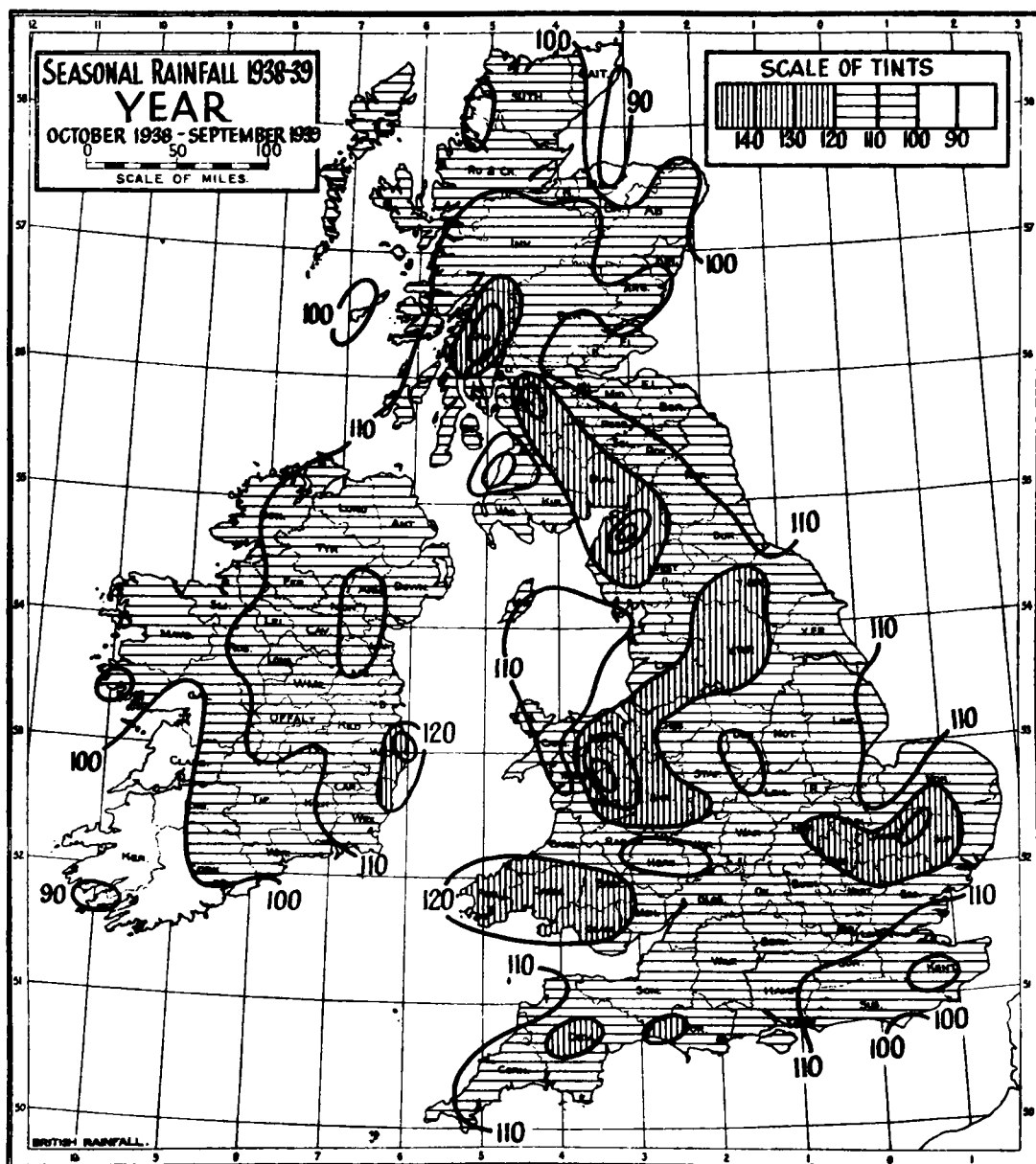
In this section the rainfall of the winter season, 1st October, 1938, to 31st March, 1939, and of the summer season, 1st April,



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

1939, to 30th September, 1939, is dealt with, as well as the rainfall of the whole seasonal year, 1st October, 1938, to 30th September, 1939. It is natural 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 XXII similar to those introduced in that volume, are now reproduced.



Rainfall, Seasonal Year, as per cent. of average.

Table XXII contains rainfall values for each of these two seasons as percentages of the average fall for the season and the station. The table gives in the fourth column the corresponding percentages

for each station for the whole of the seasonal year. These last figures are not always the mean of the percentages for the two seasons, but often show a bias towards the winter value rather than that of the summer. This is due to the fact that the average rainfall for the winter is, in general, greater than that for the summer.

The 150 stations of Table XXII are as far as possible the same as those used in *British Rainfall*, 1938. The monthly percentage values for these stations are given in Table XXI and the monthly amounts in inches are included in Table XX, where values are given for 400 stations.

The *winter* half-year included three unusually wet months, October and November, 1938, and January, 1939; the rainfall of the remaining three months approximating closely to the average.

The general rainfall for the whole country for the *winter* half-year was 31 per cent. more than the average, the excesses over England and Wales, Scotland and Ireland being 30, 30 and 34 respectively. Since 1870 there have been only two wetter winters over the country generally, *viz.*, those of 1876-77 and 1929-30 with 138 and 134 per cent. respectively. Over England and Wales the winter half-year 1938-39 was not quite as wet as that of 1935-36; over Scotland and Ireland, however, the rainfall of 1938-39 was more outstanding. Comparable statistics in the case of Scotland and Ireland are available back to 1906-07 and in this series there has been no wetter winter, although the winters of 1911-12 and 1929-30 were as wet as that of 1938-39 in Ireland.

The rainfall of the winter half-year failed to reach the average only in small areas near Wick and Keith. The smallest percentage value was 87 at Gordon Castle, in Morayshire, with a total rainfall of only 13·02 inches, the last week of November and most of December being unusually dry. There were large areas with more than 150 per cent. in the south-west of Scotland, the English Lake District, to the north-west of York, and near Lake Vyrnwy (Montgomeryshire), Wicklow and Londonderry. The largest percentage value was 173 per cent. recorded at both Keswick and Glasgow. At Keswick the total rainfall was 56·22 inches, or 23·78 inches in excess of the average. As much as 14·33 inches occurred there from October 1st to 17th. The largest total recorded at stations in Table XXII was 94·09 inches, or 23·48 inches in excess of the average at Loch Quoich (Glenquoich).

The *summer* half-year included the three dry months May, August and September, the wet July, and April and June with a rainfall approximating closely to the average. The general rainfall for the British Isles as a whole was 89 per cent., or less than that of any summer since that of 1933 with 77 per cent. The deficiencies over England and Wales, Scotland and Ireland were 2, 17 and 20 per cent. respectively. Over both Scotland and Ireland the summer of 1939

was drier than any summer since 1933, when the corresponding deficiencies were 20 and 23 per cent. The map showing the distribution of the rainfall as a percentage of the average is noteworthy for the areas with less than 70 per cent. in the west of Ireland, in Ayrshire and near Edinburgh. Falls of more than the average were confined almost entirely to England and Wales, the largest area being that extending from Cornwall and Pembrokeshire across the southern Midlands to Suffolk. There was more than 120 per cent. over part of Dartmoor and near Bury St. Edmunds. The smallest percentage value was 62 for Foynes, Co. Limerick, and the largest 125 for Bury St. Edmunds. At Foynes the total for the period April 25th to June 9th was only .66 inch, while at Bury St. Edmunds the amounts for July 16th to 20th and August 1st to 5th were 2.44 and 3.33 inches respectively.

For the *seasonal year* the percentage values were 115 for England and Wales, 110 for Scotland, 109 for Ireland and 112 for the British Isles as a whole. Over the British Isles the rainfall of the seasonal year 1938-39 exceeded that of recent seasonal years except 1929-30, 1930-31 and 1935-36 with 128, 117 and 112 per cent. respectively. Over England and Wales the seasonal year 1935-36 and over Ireland 1936-37 was wetter than that of 1938-39, but over Scotland, 1938-39 was the wettest seasonal year since that of 1930-31.

The map of the rainfall during the seasonal year shows that most stations recorded more than the average. The only areas with less than the average occurred in the south-west of Ireland, in parts of the west and north-east of Scotland and near Eastbourne. The smallest value was 83 per cent. at Gordon Castle, Morayshire, with a deficiency of 5.06 inches. More than 120 per cent. occurred over a number of large areas, *viz.*, in Argyllshire, from Glasgow to the English Lake District, from Central Wales to Yorkshire, in South Wales, from Wellingborough to East Anglia, near Wicklow, on Dartmoor and near Lyme Regis. The largest percentage values were 143 at Lake Vyrnwy (Montgomeryshire) and 141 at Keswick. At Keswick the total was 77.55 inches or 22.65 inches in excess of the average.

In *British Rainfall*, 1926, p. 125, values are given for the general rainfall over England and Wales, Scotland and Ireland separately back to 1906-7. In *British Rainfall*, 1936, pp. 131-2, similar values are given for the British Isles from 1870 to 1936.

Table XXII.—Seasonal Rainfall, 1938-39, in relation to the Average, 1881-1915.

Station.†	Winter 6 Months, Oct. 1938- Mar. 1939.		Summer 6 Months, Apr. 1939- Sept. 1939.		Winter 6 Months, Oct. 1938- Mar. 1939.		Summer 6 Months, Apr. 1939- Sept. 1939.		Twelve Months, Oct. 1938- Sept. 1939.	
	Per cent. of Average.		Per cent. of Average.		Per cent. of Average.		Per cent. of Average.		Per cent. of Average.	
St. Pancras (Camden Square)	126		100	114		St. Austell (Trevarna)	119	114		117
Tenterden (Ashenden)	129		87	111		Chewton Mendip (The Priory)	128	98		115
Margate (Cliftonville)	114		92	103		Cirencester (Gwynfa)	123	111		118
Edenbridge (Falconhurst)	116		82	102		Kington (Lynhales)	117	94		107
Compton (Compton House)	117		90	106		Church Stretton (Woolstaston)	151	92		124
Eastbourne (Wilmington Square)	117		72	99		Cheswardine Hall	127	106		117
Ventnor (Royal National Hospital)	126		100	115		Malvern (Free Library)	126	91		109
Southampton (East Park)	119		111	116		Alcester (Ragley Hall)	120	110		115
Sherborne St. John	125		95	112		Birmingham (Edgbaston)	143	94		119
Royston (Therfield Rectory)	132		110	121		Grantham (Belvoir Castle Gdns.)	120	118		119
Slough (Upton)	121		106	114		Boston (Black Sluice, Skirbeck)	133	87		110
Oxford (Radcliffe Met. Stn.)	125		104	115		Louth (Westgate)	115	97		107
Wellingborough (Swanspool)	135		107	121		Mansfield (Carr Bank)	137	93		116
March	115		98	106		Derby (The Arboretum)	123	87		105
Shoeburyness	114		91	103		Birkenhead (Bidston Observatory)	131	108		120
Campsea Ashe	130		107	119		Manchester (Whitworth Park)	149	99		124
Lowestoft (Secondary School)	122		106	115		Stonyhurst (College)	137	86		114
Bury St. Edmunds (Westley H.)	140		125	132		Ulverston (Poaka Beck)	127	86		109
Wells (Holkham Hall)	125		95	110		Blackpool (Stanley Park)	136	96		117
Bishops Cannings	125		112	119		Wakefield (Clarence Park)	142	103		123
Weymouth (Westham)	120		110	116		Hull (Pearson Park)	128	99		114
Beaminstor (East Street)	129		113	123		Felixkirk (Mount St. John)	151	104		128
Teignmouth (Den Gardens)	115		122	118		York (Museum)	139	97		117
Cullompton	120		116	119		Scarborough	121	105		114
Barnstaple (N. Dev. Athenæum)	112		87	102		Middlesbrough (Albert Park)	129	91		109
Okehampton (Uplands)	121		123	122		Newcastle (Leazes Park)	135	83		109
Penzance (Morrab Gardens)	117		93	108		Bellingham (Highgreen)	137	86		114

† For Counties see Table XXI.

Table XXII.—Seasonal Rainfall, 1938-39, in relation to the Average, 1881-1915.

Station.†.	Winter 6 Months, Oct. 1938- Mar. 1939.		Summer 6 Months, Apr. 1939- Sept. 1939.		Twelve Months, Oct. 1938- Sept. 1939.		Station.†.	Winter 6 Months, Oct. 1938- Mar. 1939.		Summer 6 Months, Apr. 1939- Sept. 1939.		Twelve Months, Oct. 1938- Sept. 1939.	
	Per cent. of Average.		Per cent. of Average.		Per cent. of Average.			Per cent. of Average.		Per cent. of Average.		Per cent. of Average.	
Ilderton (Lilburn Tower Gardens) .	132		70		104		Girvan (Pinnore) .	120		67		98	
Carlisle (Scaleby Hall) .	170		88		129		Glen Afton (Ayr Sanatorium) .	162		64		121	
Keswick (High Hill) .	173		95		141		Glasgow (Queen's Park) .	173		81		132	
Ravenglass (The Grove) .	151		82		119		Greenock (Prospect Hill) .	140		74		114	
Appleby (Castle Bank) .	149		82		119		Dougarie Lodge .	139		83		115	
Abergavenny (Larchfield) .	130		106		120		Loch Sunart (Glenborrodale) .	123		85		108	
Ystalyfera (Wern House) .	132		117		126		Lochgilphed (Poltalloch) .	142		90		120	
Cardiff (Penylan) .	129		95		114		Inveraray Castle Gardens .	168		97		140	
St. Ann's Head .	140		114		129		Islay (Eallabus) .	132		85		113	
Birmingham W.W. (Tyrmynydd) .	130		95		117		Tiree .	109		82		97	
Lake Vyrnwy .	167		108		143		Loch Leven Sluice .	129		82		108	
Blaenau Festiniog (Oakeley Q.) .	123		89		108		Leuchars (Aerodrome) .	139		81		110	
Dolgelley (Bontddu) .	118		96		109		Loch Dhu .	135		81		114	
Llandudno (Cricket Ground) .	126		82		106		Crieff (Strathearn Hydro) .	121		88		107	
Holyhead (Salt Island) .	141		83		117		Blair Atholl (Blair Castle Gdns.) .	135		98		119	
Douglas (Borough Cemetery) .	133		73		108		Montrose (Sunnyside Asylum) .	129		92		111	
Guernsey, St. Peter Port (Grange Rd.)	126		94		114		Balmoral Castle Gardens .	110		97		104	
Port William (Monreith) .	134		85		113		Aberdeen Observatory .	112		85		100	
New Luce (Public School) .	140		76		113		New Deer Schoolhouse .	108		93		101	
Dalry (Glendaroch) .	130		77		110		Fochabers (Gordon Castle) .	87		79		83	
Eskdalemuir Observatory .	147		89		123		Grantown-on-Spey .	130		104		118	
Hawick (Wolfelee) .	149		75		118		Nairn (Golf Course) .	110		101		105	
Stobo Castle .	150		72		115		Loch Ness (Foyers) .	143		81		118	
Marchmont House .	138		73		107		Loch Quoich (Glenquoich) .	133		76		112	
North Berwick Reservoir .	135		70		102		Arisaig House .	129		86		110	
Edinburgh (Blackford Hill) .	144		63		102		Glenleven (Corrour) .	144		81		120	
							Tain (Ardlarach) .	107		105		106	

† For Counties see Table XXI.

10. THE TOTAL FALL OF RAIN IN 1939 AND ITS RELATION TO THE AVERAGE.

The total rainfall for the year is given for over 5,500 stations in the British Isles in the General Table, Part III of this volume. As many of these totals as practicable have been plotted on a new base map on the scale of 16 miles to the inch. In the districts of relatively few rainfall stations, each record has been plotted, while in the more thickly represented areas some have had to be omitted. Isohyetal lines, or lines of equal rainfall amount, have been drawn giving a cartographical presentation of the distribution of the rainfall of the year over the land. The map is reproduced on a smaller scale as the folding plate opposite this page. Such a map is dominated by the orography of the country to such an extent that not only is it complicated in itself, but it also closely resembles its predecessors, the differences being noticeable only after detailed examination and comparison. The characteristics of a particular year are brought out better by a map such as that opposite p. 123, in which the percentage ratio of the rainfall for the year to the local average is shown. It has been coloured so that blue areas represent regions where the fall in 1939 was more than the average, and red areas represent regions where the fall in 1939 was less than the average for the standard period 1881-1915. The statistics on which the latter map is based are set out in Tables XXI and XXIV.

The percentage map for 1939 shows by means of continuous lines the places where the values of the rainfall were, respectively, 80, 90, 100, 110, 120, 130, 140, 150 and 160 per cent. of the average values.

Over England and Wales the largest percentage values occurred in general in the south and east. The totals failed to reach the average only in small areas, *viz.*, near Land's End, Barnstaple, Holyhead, Macclesfield, Newmarket, along the extreme north-east coast and to the west of the Pennines north of Burnley. Percentages of less than 90 per cent. were confined to an area from Lancaster to Ravenglass. The largest areas with more than 120 per cent. occurred in the east, south-east and Midlands. There was more than 140 per cent. in the eastern half of Essex and Suffolk and in the extreme east of Kent. The extreme percentage values for stations in Tables XXI and XXIV were 160 at Bradwell-on-Sea, Essex, and 83 at Ulverston, in Lancashire.

Over Wales the rainfall exceeded the average everywhere except at Holyhead and reached 120 per cent. near Lake Vyrnwy and in Flintshire.

Over Scotland the rainfall was at most stations between 80 and 110 per cent. of the average. There was less than 90 per cent. to the north-west of the Caledonian Canal, around Berwick-on-Tweed, near Wick, near Greenock, along the south coast of Ayrshire and in the south of Kintyre and of Islay. The extreme percentage values were 113 and 112 at Glasgow and Grantown-on-Spey and 73, 72 and 72 at Ullapool, Mull (Ben More) and Mull of Kintyre, respectively.

Over Ireland the smallest percentage values were in the west and north and the largest in the east. The range was small being from 117 per cent. at Greenore, Co. Louth, to 84 per cent. at Ballynahinch Castle, Co. Galway.

The large percentage values in the south-east of England were due more especially to the heavy and persistent rains of January, April, October and November. At Clacton-on-Sea the total for the period October 9th to 19th amounted to 6·86 inches and at Folkestone the two days October 27th to 28th gave as much as 4·72 inches (*see* Sections 7 and 8).

Use is made of the percentage values at the 251 stations of both Tables XXI and XXIV to derive general values of the total rainfall for the year over the British Isles and over the larger divisions separately. These values are set out in Table XXIII.

Table XXIII.—*General Rainfall, 1939, compared with average.*

Countries.	No. of Stations.	Average 35 years 1881–1915.	1939	
			Per cent.	Rainfall.
		in.		in.
England	121	32·67	114	37·1
Wales	17	50·14	110	55·4
England and Wales ..	138	35·23	113	39·9
Scotland	64	50·32	95	47·7
Ireland	47	43·30	101	43·6
British Isles†	251	41·41	106	44·0

† Including Isle of Man and Guernsey, St. Peter Port.

For the British Isles as a whole, the rainfall of 1939 was 6 per cent. in excess of the average, compared with an excess of 9, 4, 5 and 9 per cent. in 1937, 1938, 1936, and 1935 respectively. The year 1939 was, therefore, the fifth consecutive year with a rainfall appreciably in excess of the average, although it was not as wet as either 1935 or 1938. Over England and Wales 1935 also gave 113 per cent. and 1935 and 1939 rank as the wettest years since 1930. Over Scotland 1939 was

Table XXIV.—*Rainfall of 1939 as Percentage of Average, 1881-1915.**

County.	Station.	Per cent. of Average.	County.	Station.	Per cent. of Average.
ENGLAND					
Surrey	Reigate (Wray Park Rd.)	127	North'id	Hallington (Fawcett)	118
Kent	Lympne (Airport)	131	"	Morpeth (Cockle Park)	97
"	Biggin Hill (Aerodrome)	124	"	Howick Hall	94
Sussex	Patching Farm	121	Cumberland	Penrith (Newton Rigg)	91
"	Horsham (Wimblehurst)	115	"	Borrowdale (Seathwaite)	103
Hampshire	Totland Bay (Aston House)	120	"	Keswick (Derwent Island)	106
"	Portsmouth (Victoria Park)	107	Westmorl'd	Grasmere (The Wray)	107
Berkshire	Wellington College	108	WALES		
Hertford	Harpenden (Rothamsted)	113	Carmarth'n.	Llanddeusant (Pontcrynfe)	110
"	Much Hadham	122	Pembroke	Pembroke (Stackpole Court)	110
Bucks	Mursley Hall	112	Cardigan	Ysppyty-ystwyth (Hafod)	120
Bedford	Woburn (Experimental Farm)	125	Montgom'y	Welshpool (County School)	117
Cambridge	Cambridge (Botanic Gardens)	118	Denbigh	Wrexham (Pack Saddle Res.)	118
Essex	Bradwell-on-Sea	160	"	Denbigh (Garn)	112
Norfolk	Cromer (Howards Hill)	112	Anglesey	Llanerchymedd (Llwy'thEsgob)	104
"	Watton	124	SCOTLAND		
"	Outwell (Well Creek Sluice)	106	Dumfries	Langholm (Ewes)	104
Wiltshire	Larkhill (School of Artillery)	121	Roxburgh	Kelso (Broomlands)	92
"	Marlborough (College)	127	Selkirk	Ettrick Manse	98
Dorset	Creech Grange	119	Midlothian	Moorfoot Hills (Gladhouse R.)	95
Devon, S.	Plymouth (The Hoe)	113	"	West Calder (Addie Well)	103
"	Tavistock	103	Ayr	Maybole (Culzean Castle Gns.)	98
" N.	Torrington (Enfield)	101	Renfrew	Paisley W.W. (Backth'ley'm)	104
Cornwall	Newquay (Mount Wise)	97	Argyll	Corran Lighthouse	82
"	Falmouth (Observatory)	100	"	Mull of Kintyre	72
"	St. Mary's (Coastguard Stn.)	92	"	Loch Eck (Ben More)	97
Somerset	Bath (Henrietta Park)	111	"	Mull (Ben More)	72
"	Street (Millfield)	117	Perth	Glengyle	93
Gloucester	Cheltenham (Montpellier Gns.)	112	"	Perth (Wellshill Cemetery)	98
Hereford	Ross (Birchlea)	106	Angus	Kirriemuir (Lintrathen)	110
"	Hereford (Belmont Abbey)	115	Aberdeen	Braemar (Bank)	105
Shropshire	Shifnal (Hatton Grange)	108	"	Lumphanan	104
Stafford	Mayfield	108	Banff	Banff	104
"	Leek (Wall Grange)	98	Inverness	Inverness (Culduthel Res.)	93
Worcester	Stourport (Lincombe Lock)	106	Ross	Applecross Gdns.	81
Warwick	Coventry (City Hospital)	127	Shetland	Lerwick (Observatory)	92
Leicester	Thornton Reservoir	124	IRELAND		
Rutland	Uppingham (Ridlington)	136	Kerry	Gap of Dunloe (Gearhameen)	108
Lincoln	Spalding (Pode Hole)	120	Waterford	Portlaw (Mayfield)	97
"	Lincoln (Skellingthorpe Hall)	126	Wexford	Foulks Mills (Longraigue)	107
"	Skegness (Marine Gardens)	114	Wicklow	Shillelagh (Coollattin Gardens)	106
Nottingham	Nottingham (Sneinton P.S.)	111	W'meath	Athlone (Twyford House)	96
Derby	Buxton (Terrace Slopes)	107	Louth	Greenore	117
Lancs. S.	Garston (Grassendale Pk.)	109	Mayo	Aasleagh House	107
" C.	Wigan W.W. (Worthington)	112	Down	Newry (Bridge Street House)	110
" N.	Morecambe	87	"	Waringstown (The Forge)	104
Yorks W.R.	Huddersfield (Oakes)	119	Antrim	Belfast (Queen's Univ.)	106
"	Harrogate (Harlow Moor)	103	L'derry	Glendra Lodge	103
" E.R.	Patrington (Rose Cottage)	135	Donegal	Malin Head	88
"	Holme-on-Spalding Moor	120			
"	Lowthorpe (The Elms)	110			
" N.R.	Leyburn (Bolton Hall)	104			
"	Guisborough (Lockwood Res.)	109			
Durham	BarnardCastle(BowesMuseum)	117			
"	Ushaw (College)	111			

See also Table XXI, pp. 107-111.

11.—EVAPORATION AND PERCOLATION IN 1939.

The *evaporation gauges* in use are square tanks sunk in the ground, and the evaporation which is measured is that from a free water surface. The standard gauge at Camden Square is 6 ft. square and 2 ft. deep, and is sunk so that the lip projects about 3 inches. A photograph showing the Meteorological station, including the tank, at Camden Square, was reproduced as the *frontispiece* of *British Rainfall*, 1921. The routine consists of the daily measurement of the level of the water below a mark fixed in the tank. From the difference between consecutive daily measurements, is deducted the rainfall for the same period, as measured in an adjacent rain-gauge. The net depression of the water-level in the tank during the interval of 24 hours is taken to be a measure of the evaporation. Sometimes in winter the "evaporation" comes out as a small negative quantity; this is regarded as due to the condensation of water from the superincumbent air, and the corresponding measurements are marked "c" in the tables. So far as is practicable, the level of the water is kept about 2 to 3 inches below the top of the lip. This necessitates water being added in summer and syphoned off in winter. During the winter months there is some difficulty in getting a reading when the water freezes. In such cases the ice is broken away from the side of the tank and the measurement of the water-level is made while the ice is floating. If this cannot be done any morning, owing to the thickness of the ice, a measurement is made as soon as possible (on a subsequent morning), and the amount of evaporation calculated over the whole period. The evaporation is small in winter, so that little information is lost by adopting this procedure.

The accuracy of the measurements of evaporation depends on the depth of water caught as rain in the evaporation tank being identical with that measured directly in the rain-gauge alongside. Some of the factors which are likely to vitiate the measurements of evaporation were discussed in *British Rainfall*, 1925, pp. 127–128 and in *British Rainfall*, 1931, pp. 268–274.

The list of stations given in Table XXV, for which details of the evaporation are available for 1939, is the same as last year.

The monthly and annual means for the fourteen stations are set out in the last column of the table. For the year the mean evaporation

is 16·4 inches. The evaporation at individual stations during 1939 was less than the average except at Camden Square and Harrogate, where the evaporation for the year was ·1 inch and ·9 inch more than the average 1908–1939. Over the British Isles generally the sunshine was above the average in April, June, October and December and slightly below the average for the year as a whole. At twelve stations the greatest amount of evaporation occurred in June, and at Petersfield and Ormesby St. Michael in May. The four months May to August accounted for 64 per cent. of the total evaporation for the year.

Evaporation at Camden Square (London). The monthly evaporation values for the 54 years, 1885 to 1938, were set out in Table XXVII, p. 145, of *British Rainfall*, 1938. The record is the longest available in this country. For 1939 the evaporation of 15·43 inches was ·07 inch less than the average for the 35 years (1885–1919). The total evaporation was largest in June with 3·05 ins. May and July also had total of more than 2 inches. The differences from the monthly averages varied from +·49 inch in September to —·42 inch in August. The total for October of ·38 inch was exceptionally small. This reflects the lack of sunshine that month in the south-east of England.

Percolation gauges. In Table XXVI the amount of water which percolates through a definite depth of soil is given. The list of stations is the same as for 1938, but the record at Compton ceased in October. Details of the percolation gauges and the type of soil are set out in the footnotes, in *British Rainfall*, 1924, p. 128, in *British Rainfall*, 1932, p. 143, in *British Rainfall*, 1934, p. 137 and in *British Rainfall*, 1937, p. 133. The difference between percolation and rainfall is largely to be accounted for by evaporation, but evaporation as determined in this way (known as “calculated evaporation”) is not strictly comparable with that given in the earlier table. There is no free water surface present in the percolation gauge, but during dry periods the surface soil is nearly dry, so that practically no evaporation can take place. In dry years the calculated evaporation, as obtained from the percolation gauges, will be less than similar values for wet years, and less than the values obtained from the water surface in a tank. In 1939 the mean value from the 14 percolation gauges was 16·45 inches, compared with 14·98 inches in 1938.

At Fleam Dyke, the two percolation gauges are each 36 inches deep composed of 9 inches of soil over well-rammed chalk, and both have surface areas of one-thousandth of an acre as at Rothamsted. The surface of one gauge is covered with short turf and the other with soil which is kept free from all vegetation.

The difference between the percolation through the two gauges was greatest during August and September, when the turfed gauge gave ·58 inch and the bare gauge 3·21 inches. Taking the year as a whole, the difference between two gauges was less marked than in 1937

and 1938, while the amount of percolation through either gauge was greater than in the two previous years. Considering the mean percolation for the two gauges, during the winter months January to March and October to December, 69 per cent. of the rainfall percolated to a depth of 3 feet, compared with 28 per cent. during the summer six months.

At Compton the total percolation through the gauge (which consists of 10 inches of soil, on which grass is grown, over 2 feet of well-rammed chalk) was only $\cdot 04$ inch for the period April 15th to August 5th. At Farlington there was no percolation during the five months May to September. At Rothamsted and Harrogate there was some percolation during each month of the year. At Craibstone the gauges gave no percolation during June only.

The records from the Farlington gauges continue to show a consistent diminution in the amount of percolation as the depth of the gauge increases, but with more rainfall, the decrease between the amounts of percolation through the 36 inch and 48 inch gauges is less marked than in 1938. In order to form a reliable estimation of the amount of rain which actually reaches the underground water table, it is considered that a gauge of not less than 6 feet deep should be employed there. On the other hand the 20 inch and 60 inch gauges at Rothamsted continue to record approximately the same percolation, while that through the 40 inch gauge is somewhat greater. The differences are accounted for by variations in the composition and structure of the soil of the gauges, and in this case it seems reasonable to conclude that the 20 inch gauge is of sufficient depth to give a good indication of the water likely to penetrate the sub-soil there.

The three gauges at Craibstone, each 40 inches deep, were under pasture in 1939 as in 1938. The amount of percolation was least where the soil was unmanured.

Evaporation at Frolesworth House, Leicestershire. The evaporation record received from Frolesworth House, 10 miles south-west of Leicester, is as follows :—

Jan.	Feb.	Mch.	Apl.	May	Jne.	Jly.	Aug.	Sept.	Oct.	Nov.	Dec.	Year.
c·14	·21	·65	1·55	2·05	3·09	2·48	2·10	1·72	·62	c·04	·17	14·46 in.

C indicates condensation

The tank is 6 feet in diameter and 2 feet deep with a concrete surround 3 feet wide and it has a capacity of about 250 gallons. The top of the tank is 2 inches above the level of the concrete. The observer, Mr. W. P. Widdowson, reports that on days of heavy rain the tank appears to catch relatively the more rain than the rain-gauge. Thus on November 23rd the rain-gauge gave $\cdot 72$ inch while the level of the water in the evaporation tank was raised $\cdot 75$ inch. The cause of this apparent difference is being investigated.

Table XXV.—*Evaporation in 1939.*

List of Stations.	County.	Observer.	Particulars of Tank.			
			Height above		Side.	Capacity.
			Ground.	Sea Level.		
			ft. in.	ft.	ft. in.	Gals.
Camden Square.	London 2	Royal Meteor. Soc. . .	0 3	111	.6 0	450
Otterbourne ..	Hampshire 5	J. Hawksley, Esq. . .	0 3	112	.6 0	450
Petersfield	" 7	C. J. P. Cave, Esq.* . .	0 3	747	4 0	250
Ormesby St. M.	Norfolk 2	Gt. Yarmouth W.W..	0 3	21	6 0	450
Kennick	South Devon 5	N. G. Elliot, Esq., C.E.	0 3	835	6 0	450
Bartley	Warwickshire . . . 4	J. W. Wilkinson, Esq.	0 3	611	6 0	450
Revesby	Lincoln 3	T. Henry Tyson, Esq.	0 6	124	6 0	450
Southport	Gen. Lancashire . . 3	The Corporation . . .	0 3	37	3 0	112
Ardsley, No. 1 .	Yorkshire, W.R. . 8	Wakefield Corp. W.W.	0 3	395	6 0	450
Lower Laithe .	" 9	A. Boothman, Esq., C.E.	0 6	772	6 0	450
Harrogate	" 11	A. S. West, Esq.	0 3	549	6 0	450
Talla Water ...	Peebles 1	Edinburgh W.W.....	0 3	904	6 0	450
Glencorse Filters	Midlothian 4	"	0 3	639	6 0	450
Amlaird Filters	Ayr 3	W. Dunbar, Esq.	0 4	590	†	650

1939.	Camden Square.	Otterbourne.	Petersfield.	Ormesby St. Michael.	Kennick.	Bartley.	Revesby.	Southport.
	in.	in.	in.	in.	in.	in.	in.	in.
January ...	.12	.27	.16	.00	c. .41	.12	.60	.03
February ..	.27	.69	.46	.39	.46	.37	.27	.31
March .....	.91	1.50	.92	.70	1.18	.56	.48	.82
April	1.54	2.25	1.69	1.77	2.10	1.41	1.44	1.77
May	2.18	2.93	2.70	2.97	2.95	2.45	2.09	2.49
June	3.05	3.65	2.49	2.92	3.68	3.58	2.59	3.69
July	2.95	2.72	2.65	2.71	2.16	2.58	2.22	2.70
August	1.91	2.24	2.23	2.39	2.37	2.25	1.73	2.09
September..	1.87	2.04	2.11	1.87	1.95	1.85	1.29	1.44
October ....	.38	.94	.96	1.23	.96	.74	.77	.76
November .	.16	.18	.07	.48	.10	.18	.36	.54
December ..	.09	.20	.33	.16	.06	.18	.50	.17
Year	15.43	19.61	16.77	17.59	17.56	16.27	14.34	16.81
1908-1939 .	15.29	19.69	..	..	18.43	..	..	..
Difference ..	+ .14	— .08	..	..	— .87	..	..	..

1939.	Ardsley No. 1.	Lower Laithe.	Harrogate.	Talla Water.	Glencorse.	Amlaird Filters.	Mean of 14 Records.
	in.	in.	in.	in.	in.	in.	in.
January	c. .08	.01	.57	.00	.11	c. .28	.09
February .....	.22	.06	.68	.09	.52	c. 1.42	.24
March .....	.89	.92	1.34	.39	.76	.23	.83
April	2.32	2.00	2.21	1.36	1.72	1.67	1.80
May	2.72	2.58	2.51	2.27	2.36	2.56	2.55
June	3.37	3.50	3.32	3.42	3.62	4.12	3.36
July	2.61	2.60	2.94	1.91	2.28	1.52	2.47
August	1.94	2.33	2.29	1.96	2.18	1.61	2.11
September	1.89	1.81	1.94	1.26	1.40	1.52	1.73
October .....	.84	.85	1.06	.27	.62	c. .25	.72
November .....	.10	.41	.91	.05	.49	.11	.30
December .....	.13	.44	.57	.07	.35	.02	.23
Year	16.95	17.51	20.34	13.05	16.41	11.41	16.43
Average, 1908-1939 .	17.51	..	19.46	15.03	..	..	..
Difference	— .56	..	+ .88	— 1.98	..	..	..

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

* Per Royal Meteorological Society.

† 6 ft. x 4 ft.

Table XXVI.—*Rainfall, Percolation and Calculated Evaporation, in 1939.*

(Unless otherwise stated the size of the percolation gauges is 3 ft. x 3 ft. x 3 ft.)

1939.	Compton, Sussex.		Farlington, Hants. Gauges 36-inch diameter.						Rothamsted, Herts. 1006 acre gauges.				Fleam Dyke, Cambs. 1006 acre gauges.			Harrogate, Yorks.		Craibstone, Aberdeen. 1006 acre gauges.				
	Rain- fall.	Perco- lation.	Percolation.						Percolation *				Percolation.			Rain- fall.		Percolation Gauges under pasture.				
			24" Chalky Marl	36" Marl	48" **	36" Sand||	36" Chalk||	Rain- fall.†	20" Soil.	40" Soil.	60" Soil.	Rain- fall.	36" Chalk.	36" Chalk.	36" Chalk.	Rain- fall.	Perco- lation.	1†† 40" Soil.	2†† 40" Soil.	3||| 40" Soil.	3||| 40" Soil.	3||| 40" Soil.
Jan.	6.69	8.41	5.53	5.29	5.32	5.07	5.22	5.00	5.43	5.79	5.59	4.48	4.32	4.31	4.42	5.55	in.	in.	in.	in.	in.	in.
Feb.	1.90	1.43	1.65	.86	.53	.55	.62	.78	.16	.13	.18	.69	.17	.14	2.86	2.16	2.68	1.53	1.67	1.72	1.72	1.72
March	1.63	1.39	1.30	.71	.74	.95	.99	1.69	.53	.62	.55	1.59	.15	.46	2.23	1.55	1.94	1.04	1.28	1.41	1.41	1.41
April	2.77	1.10	2.51	.43	.29	.34	.47	2.73	1.36	1.40	1.35	2.67	.83	.66	1.53	.87	1.22	.16	.33	.26	.26	.26
May	1.63	.04	1.13	.00	.00	.00	.00	1.67	1.11	1.36	1.24	1.07	1.12	.22	1.10	.03	1.14	.03	.06	.03	.03	.03
June	2.12	.00	1.37	.00	.00	.00	.00	1.96	.14	.15	.12	1.75	.14	.00	1.66	.12	2.02	.00	.00	.00	.00	.00
July	3.72	.00	3.58	.00	.00	.00	.00	2.02	.24	.21	.18	2.38	.55	.00	6.27	1.93	4.97	1.34	1.51	1.51	1.51	1.51
August	2.58	.60	1.57	.00	.00	.00	.00	3.01	1.28	1.31	1.18	2.90	2.04	.37	2.18	.76	1.31	.05	.11	.17	.17	.17
Sept. ....	.98	.00	.89	.00	.00	.00	.00	1.31	.37	.36	.34	2.34	1.17	.21	1.11	.03	2.43	.41	.46	.47	.47	.47
Oct.	6.32	..	5.84	1.95	.38	.10	.85	4.37	2.85	3.23	2.71	4.14	2.44	1.80	2.88	.88	5.09	3.02	3.05	3.08	3.08	3.08
Nov.	7.97	..	6.06	5.19	4.96	4.88	5.01	4.28	3.86	4.10	3.85	2.88	2.22	2.40	4.53	4.17	4.01	2.93	3.29	2.94	2.94	2.94
Dec.	2.91	..	2.11	1.74	1.85	1.68	1.77	1.34	1.07	1.20	1.13	1.17	1.13	1.15	2.10	2.55	1.88	1.76	1.96	1.90	1.90	1.90
Year	41.31	..	33.54	16.66	14.24	13.78	14.93	30.16	18.40	19.86	18.42	28.06	16.28	11.72	33.17	20.60	33.09	16.21	17.89	17.25	17.25	17.25
Calculated Evaporation	..	..	..	16.88	19.30	19.48	18.61	..	11.76	10.30	11.74	..	11.78	16.34	..	12.57	..	16.88	15.20	15.84	15.84	15.84

† Values obtained from the 8-inch gauge.

* Through bare unworked soil.

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

|| Depths include 6 in. of top soil and turf.

†† Unmanured.

||| Manured.

At Fleam Dyke depths include 9 in. of top soil, the first kept free of vegetation and the other with short turf.

METEOROLOGICAL OFFICE, AIR MINISTRY

BRITISH RAINFALL ORGANIZATION

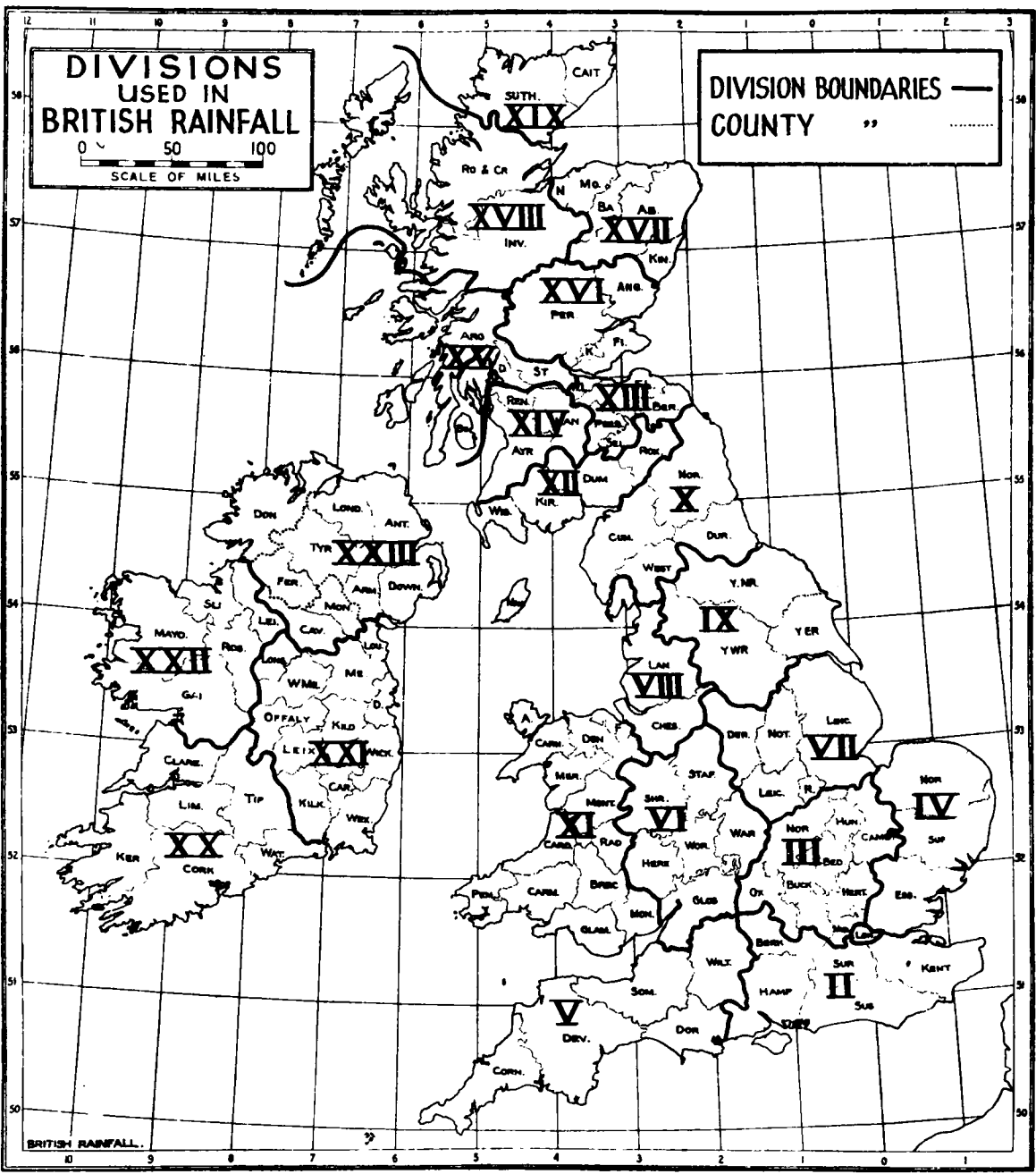
BRITISH RAINFALL, 1939

PART III

General Table of
TOTAL RAINFALL IN 1939

AT STATIONS IN GREAT BRITAIN AND
IRELAND WITH THE NAMES OF THE
OBSERVERS OR OTHER AUTHORITIES
FOR THE OBSERVATIONS

*Issued by the Authority of
the Meteorological
Committee*



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 the river basins of the Great Ouse and tributaries in Norfolk and Cambridge were redetermined in 1928; the values printed in this volume and in the volume for 1927 differ slightly from those published in *British Rainfall* from 1910 to 1926. The sequence of river divisions in Great Britain proceeds anti-clockwise from the Solway Firth. For example, in the West Riding of Yorkshire we have four divisions for rivers flowing to the Irish Sea, followed by eight divisions for rivers tributary to the Humber.

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., "Haslemere (Clammer Hill)" means Clammer Hill, near Haslemere.

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.

Stations the names of which are printed in small capitals, e.g., KENSINGTON PALACE, are climatological stations in association with the Meteorological Office.* For the majority of these a summary of the climatological observations is printed in the *Monthly Weather Report*.

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

In the column headed "Diameter," figures in old style type indicate the length of the sides of rectangular gauges.

The letter D signifies that daily observations have been received and are complete for the year; d, that less complete daily records

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

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.

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 lighthouses) which are also over-exposed.

The column for the total rainfall in millimetres, which was a feature of the corresponding table in the volumes for the years 1914 to 1925, has been omitted since 1926, and the space thus set free is devoted to a column for average annual totals, expressed in inches, to the nearest tenth of an inch. 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, in the case of shorter records, if they have been reduced by the accepted method 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. If the computation has been made outside the office the average is printed in italics, since it may subsequently be revised slightly. 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. Many of the averages printed in italics have been kindly computed by Mr. H. P. Cornish of Keswick and these are weighted to the standard period 1881 to 1915.

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 ..

ENGLAND.

Bedford.....	157	Hereford	178	Oxford.....	155
Berkshire.....	150	Hertford	152	Rutland	185
Buckingham.....	154	Huntingdon	157	Shropshire	179
Cambridge	158	Kent	140	Somerset.....	173
Cheshire	190	Lancashire	192	Stafford.....	180
Cornwall and Scilly	172	Leicester	184	Suffolk.....	161
Cumberland	208	Lincoln	185	Surrey	135
Derby	188	London	134	Sussex	143
Devon	168	Middlesex	151	Warwick	183
Dorset	166	Monmouth	211	Westmorland	209
Durham	206	Norfolk	163	Wiltshire.....	164
Essex.....	159	Northampton	156	Worcester	181
Gloucester.....	177	Northumberland .	207	Yorkshire	197
Hampshire	147	Nottingham	187		

WALES.

Anglesey	220	Carnarvon.....	219	Merioneth.....	218
Brecon.....	214	Denbigh	217	Montgomery.....	216
Cardigan	213	Flint	217	Pembroke	213
Carmarthen	213	Glamorgan	211	Radnor216 and	221

ISLANDS.

Isle of Man	220		Channel Islands	220
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SCOTLAND.

Aberdeen	238	E. Lothian	225	Peebles	224
Angus	237	Fife	234	Perth	234
Argyll	232	Inverness	240	Renfrew	229
Ayr	227	Kincardine	237	Ross and Cromarty	241
Banff	239	Kinross	233	Roxburgh	223
Berwick.....	224	Kirkcudbright ...	222	Selkirk.....	223
Bute	232	Lanark	226	Shetland	243
Caithness	243	Midlothian	225	Stirling	231
Clackmannan	233	Moray	239	Sutherland	242
Dumbarton.....	230	Nairn.....	239	W. Lothian	226
Dumfries.....	223	Orkney	243	Wigtown.....	222

IRELAND.

Antrim	252	Kerry	244	Monaghan	251
Armagh	251	Kildare	247	Offaly	247
Carlow	247	Kilkenny.....	246	Roscommon	250
Cavan	251	Leitrim	250	Sligo	250
Clare	246	Leix.....	247	Tipperary	245
Cork.....	244	Limerick.....	245	Tyrone	253
Donegal	253	Londonderry	252	Waterford.....	245
Down	251	Longford.....	249	Westmeath	249
Dublin.....	248	Louth	249	Wexford	246
Fermanagh.....	251	Mayo	250	Wicklow	246
Galway	249	Meath	248		

ENGLAND AND WALES.

DIVISION I—LONDON. (Area, 117 sq. mi.)

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain-fall.	1939.			
			Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rain-fall.		Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.	
1. THAMES.—Right Bank Tributaries. 67 sq. mi.			in.	ft.	in.	ft.	in.	in.		
BERMONDSEY.										
D Southwark Park	London County Council	5	1	0	9	24·4	27·73	165	133	
LAMBETH.										
D Dulwich (Thurlow Pk. Rd.)	B. T. Yonge, Esq.	5	0	11	147	..	30·66	187	129	
D Brockwell Park	(+A) London County Council	5	1	0	144	23·8	30·24	170	130	
D Brixton Hill Reservoir	Met. Water Board	5	1	0	121	23·9	28·01	163	125	
BATTERSEA.										
D Battersea Park	London County Council	5	1	0	13	23·2	28·12	158	115	
WANDSWORTH.										
D Streatham (Conyers Road)	Met. Water Board	5	1	0	119	23·3	30·20	155	123	
D Streatham Hill Reservoir	Met. Water Board	5	1	0	205	23·3	29·34	166	130	
D Putney Heath Reservoir	(+A) Met. Water Board	5	1	0	179	..	26·41	160	114	
D Streatham (Furzedown Rec Grd)	E. J. Elford, Esq., C.E.	5	1	6	89	24·7	30·04	176	130	
D Southfields (Coronation Gds)(+A)	E. J. Elford, Esq., C.E.	5	1	6	37	23·6	28·04	171	122	
CAMBERWELL.										
D Nunhead (Nunhead Reservoir)	Met. Water Board	5	1	0	175	..	27·25	167	116	
DEPTFORD.										
D Telegraph Hill	London County Council	5	1	0	135	..	29·88	157	125	
D Waterworks	Met. Water Board	5	1	0	20	23·0	29·63	156	125	
GREENWICH.										
D Deptford Pumping Station(+A)	London County Council	8	1	0	18	22·4	28·22	156	120	
D ROYAL OBSERVATORY	The Astronomer Royal	8	0	5	149	23·5	29·98	172	130	
CATFORD.										
D Catford Hill (Exbury Rd.)	Rev. T. R. Price, M.A.	8	1	6	67	..	27·90	174	120	
LEWISHAM.										
D Forest Hill Reservoir	(+A) Met. Water Board	5	1	0	339	..	30·68	175	127	
WOOLWICH.										
D Eltham (Sutcliffe Pk.)	(+A) Borough Engineer	5	1	0	75	..	29·08	159	123	
D Eltham (High Street)	(+A) Met. Water Board	5	1	0	245	23·2	29·33	144	117	
2.—THAMES.—Left Bank Tributaries. 50 sq. mi.										
KENSINGTON.										
D Holland House	Mr. P. B. Rintoul	5	1	0	68	23·9	28·88	165	113	
D Campden Hill Reservoir	(+A) Met. Water Board	5	1	2	142	24·5	28·24	164	122	
D KENSINGTON PALACE	(+A) H.M.O.W. (M.O.)	8	1	0	80	24·2	29·01	180	124	
HAMMERSMITH.										
D The Creek	London County Council	5	3	0	19	23·2	26·00	157	113	
FULHAM.										
D Hammersmith Cemetery	R. J. Brown, Esq.	5	1	0	17	23·4	26·54	152	117	
D Bishops Park	(+A) A. F. Holden, Esq., C.E.	5	0	11	15	22·6	24·35	141	115	
CHELSEA.										
D Physic Garden	G. W. Robinson, Esq.	5	1	0	20	23·4	29·81	168	114	
D ST. LUKE'S GARDENS	J. A. Gough, Esq.	5	1	0	26	23·3	28·38	161	116	

§ Turf Wall round gauge.

DIVISION I—LONDON—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Average Rain- fall.	1939.			
			Height of			Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.	
			Rim above Ground.	Ground above Sea Level.					
2.—THAMES.—Left Bank Tributaries—(con.).			in.	ft. in.	ft.	in.	in.		
WESTMINSTER.									
D Western Pumping Station (+A)	London County Council	8	1	0	19	..	28·48	144	112
D Buckingham Palace	Mr. A. J. Cole	5	8	0	35	23·5	29·56	181	119
D St. James's Park	(+A) H.M.O.W. (M.O.)	8	1	0	27	23·2	28·40	175	114
ST. MARYLEBONE.									
D Regent's Park	H.M.O.W. (M.O.)	5	1	0	129	..	30·19	156	115
HAMPSTEAD.									
d Barrow Hill Reservoir	(+A) Met. Water Board	5	1	0	175	..	32·23	..	..
D Kidderpore Reservoir	Met. Water Board	5	1	0	328	..	30·66	162	121
D OBSERVATORY	(+A) The Hampstead Scientific Soc. (E. L. Hawke, Esq., M.A.)	8	1	0	450	..	31·76	187	126
D Golders Hill Park	London County Council	5	1	0	350	26·2	31·95	146	120
ST. PANCRAS.									
D Camden Square	(+A) Royal Meteorological Soc.	8	1	0	110	24·5	30·72	169	108
D CAMDEN SQUARE	Snowdon Royal Meteorological Soc.	5	1	0	110	24·5	30·65	169	109
STOKE NEWINGTON.									
D New River Filter Beds	Met. Water Board	5	1	0	101	23·1	28·72	162	118
D New River Reservoirs	(+A) Met. Water Board	5	1	0	105	23·5	29·79	169	122
HACKNEY.									
D Clapton Pond	(+A) P. Holt, Esq., C.E.	5	1	0	68	22·8	30·62	171	120
FINSBURY									
D New River Head	(+A) Met. Water Board	5	1	0	95	..	30·43	161	120
BETHNAL GREEN.									
D Victoria Park	London County Council	5	1	0	43	23·1	32·23	157	128
POPLAR.									
D Isle of Dogs (Island Gardens)	London County Council	5	1	0	18	21·9	28·91	166	129
D Old Ford Pumping Station	Met. Water Board	8	0	9	19	22·9	29·65	166	116
D Old Ford (Penstock House) (+A)	London County Council	8	1	0	43	22·4	29·37	160	112
WOOLWICH.									
D N. Woolwich Pumping Stn. (+A)	London County Council	8	0	9	12	21·6	28·48	157	133
D Barking Outfall	London County Council	8	0	9	9	20·8	27·95	146	120

DIVISION II—SOUTH-EASTERN COUNTIES.

SURREY. (Area, 725 sq. mi.)

1.—ARUN. 45 sq. mi.

D Haslemere (Clammer Hill)	Mrs. Glennie	5	1 6	400	35·8	39·54	184	152
D Haslemere (Furnace Place)	F. J. Barlow, Esq.	5	1 0	300	..	37·76	167	149
D Haslemere (Grayshurst)	C. W. Dixon, Esq.	5	1 0	621	..	38·59	181	142
D Chiddingfold (Chiddingfold Ho.)	L. J. E. Hooper, Esq.	5	1 0	200	..	34·44	176	142

2.—MEDWAY. 50 sq. mi.

D East Grinstead (Lockeridge)	Lt.-Col. J. F. Forbes, D.S.O.	5	1 0	320	..	35·60	185	140
D Dormans Park (Chartham Park)	I. D. Margary, Esq.	5	1 0	270	..	35·88	198	139
D Dormans Park (Hill Crest)	Dr. H. R. Mill	5	1 0	320	..	36·56	200	144
D Dormans Park (Yew Lodge)	Mrs. I. D. Margary	5	1 0	260	..	35·45	184	140
D Lingfield (Fekcourt)	Sir Alfred R. McAlpine	5	1 6	320	..	35·63	198	146
D Lingfield (Sewage Works)	(+A) Godstone R.D.C.*	5	1 0	450	..	32·18	179	129
D S. Godstone (Hartsridge)	F. E. Goad, Esq.	5	0 10	450	..	34·73	203	145
D Bletchingley (North Park Farm)	Sir Bernard Greenwell, Bt.	5	1 0	300	..	36·18	194	139
D Limpsfield (Kent Hatch Res.)	A. E. Cornewall-Walker, Esq.	5	1 0	664	..	34·10	..	..

* Per Surrey County Council.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Average Rain- fall.	1939.		
			Height of Rim above Ground.	Ground above Sea Level.		Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
SURREY—(con.).		in.	ft. in.	ft.	in.	in.		
2.—MEDWAY—(con.).								
Godstone	C. J. Salter, Esq.	5	1 0	400	..	39·25	205	146
Oxted (North End)	S. F. Lunniss, Esq.	5	1 0	350	..	36·14	200	137
3.—THAMES—Darent. 22 sq. mi.								
Limpsfield (The Chart)	E. G. Ingold, Esq.	5	1 3	570	..	33·59	186	134
Westwood (Pumping Station)	A. E. Cornwall-Walker, Esq.	5	1 0	418	..	35·28	156	130
Chelsham (Ivydene)	H. S. Weston, Esq.	5	1 0	610	..	39·18	180	144
Farleigh (Croydon Ment. Hosp.)	Croydon Corporation	8	1 0	100	..	37·86	168	135
Chelsham (Fairchildes)	A. S. Daniell, Esq.	5	1 0	600	33·7	36·76	..	..
Addington (Hares Bk. Pump. Sta.)	Croydon Corporation	8	1 0	331	..	35·58	189	134
Addington Hills Reservoir	Croydon Corporation	8	1 0	472	29·4	35·64	182	137
Addington (Golf Club)	The Secretary	5	1 2	380	..	34·42	183	133
4.—THAMES—Wandle. 71 sq. mi.								
Kingswood (Margery Hall Res.)	late W. Vaux Graham, C.E.	5	1 0	691	..	36·75	188	147
Woldingham Reservoir	A. E. Cornwall-Walker, Esq.	5	1 0	841	..	39·87	..	..
Woldingham	Miss V. K. Isaac	5	1 0	797	..	43·91	211	151
Caterham Reservoir	A. E. Cornwall-Walker, Esq.	5	1 0	704	34·6	40·24	208	146
Caterham (Alderstead Hth.) (+A)	Surrey County Council	5	1 0	577	..	38·77	197	146
Chelsham & Woldingham W.W.	A. E. Cornwall-Walker, Esq.	5	1 0	478	..	40·69	187	140
Woldingham (Marden Park)	Sir Bernard Greenwell, Bt.	5	1 2	550	..	39·49	177	141
Caterham Valley Depot new site	A. E. Cornwall-Walker, Esq.	5	1 6	465	..	40·02	..	..
Chipstead (South Lodge)	G. R. Rudolf, Esq.	8	1 1	550	..	38·48	210	140
Coulsdon (Netherne Ment. Hosp.)	The Clerk and Steward	8	0 10	540	..	37·36	187	132
Banstead (Burgh Heath Res.)	late W. Vaux Graham, C.E.	5	1 0	570	32·7	37·27	191	143
Chipstead (How Green Res.)	late W. Vaux Graham, C.E.	5	1 0	528	..	37·83	177	142
Coulsdon (The Vale)	H. E. W. Hollobone, Esq.	5	1 6	318	..	35·73	176	129
Kenley (Refuse Disposal Wks.)	The Surveyor	5	1 0	290	..	36·40	180	132
Kenley Pumping Station	A. E. Cornwall-Walker, Esq.	5	1 0	275	..	33·18	180	133
Coulsdon (Howard Road)	J. H. Lowe, Esq.	5	0 6	425	28·6	36·52	200	137
Coulsdon (Coulsdon Rise)	Charles Knight, Esq.	5	0 6	350	..	36·97	189	136
Woodcote Park Golf Club (+A)	Surrey County Council	5	1 3	450	..	34·87	194	137
Banstead Mental Hospital	S. J. Wray, Esq.	5	4 8	410	..	36·54	194	143
Purley (Pumping Station)	A. E. Cornwall-Walker, Esq.	5	1 0	214	30·1	36·54	199	135
Purley (Green Lane)	E. E. Bluett, Esq.	5	1 0	341	..	34·64	178	131
Purley (Russell Hill Rd.)†	E. A. W. Madge, Esq.	5	1 0	330	..	33·84	171	122
Sanderstead (Beechwood Rd.)	G. M. Davies, Esq.	5	1 0	320	..	36·95	189	130
Sutton (The Ridgway)	W. H. Boucher-James, Esq.	5	2 7	250	..	32·41	175	118
CROYDON (Airport)	Meteorological Office	8	1 0	217	26·7	32·36	176	129
S. Croydon (Croham Valley Rd.)	F. A. Reynolds, Esq.	5	1 0	350	..	35·64	178	133
Carshalton (Pumping Stn.)	Surveyor, U.D.C.	5	1 0	83	..	31·88	168	125
Carshalton (Carshalton Park Road)	A. C. Challands, Esq.	5	1 0	200	..	32·82	169	130
Carshalton (The Grove)	H. J. Spicer, Esq.	5	1 0	120	..	31·70	152	136
Beddington (Sewage Farm)	Croydon Corporation	5	1 0	129	..	30·32	175	123
Beddington Park	Surrey County Council	5	1 3	108	..	29·73	173	126
Croydon (Northampton Road)	Mrs. Higgins	5	1 0	210	..	31·81	157	124
Beddington Corner (Millgreen Rd.)	Messrs. G. Miller & Son	5	5 0	77	..	33·25	154	126
Mitcham (Meopham Road) (+A)	Mitcham Corporation*	5	1 0	93	..	30·83	185	133
Mitcham (London Road) (+A)	Mitcham Corporation*	5	1 0	62	..	26·77	163	123
Wimbledon (Durnsford Rd.) (+A)†	T. Webster, Esq., C.E.*	5	1 0	58	23·4	25·61	160	111
5.—THAMES—Mole & c. 229 sq. mi.								
Beare Green (Wigmore) new g	Leonard Mortimer, Esq.	5	1 0	250	..	40·53	189	152
Horley (Cranleigh)	W. W. Hughes-D'Aeth, Esq.	5	1 0	230	..	36·21	181	139
Dorking (Woodlands Pk.)	O. Langer, Esq.	5	1 0	200	..	40·04	175	136
Dorking (Bramerton)	Rev. Jas. F. Twist	5	1 0	300	..	40·62	191	145
Dorking (Reigate Road)	R. V. Barker, Esq.	5	0 9	150	..	39·45	194	151

† Station formerly called (Hillcrest Rd.).

* Per Surrey County Council.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average	Rain-fall.	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
			Rim	Ground					
			above	above					
			Ground.	Sea Level.					
SURREY—(con.).		in.	ft.	in.	ft.	in.	in.		
5.—THAMES—Mole & c.—(con.).									
d Ranmore (Denbies)	S. C. Westbrook, Esq.	5	1	0	620	32·2	41·72	208	155
d Dorking (Pixham La Sew. Wks.) (+A) Dorking U.D.C.*		5	1	0	131	..	38·79	182	148
d Betchworth (Snower Hill)	T. DuBuisson, Esq.	8	1	0	200	..	38·56	186	149
d South Nutfield (Hale Edge)	Mrs. B. Grant	5	1	0	250	28·7	32·46	187	152
d Earlswood (Sewage Farm) (+A)	G. G. Sanderson, Esq., C.E.*	5	1	3	196	..	32·47	186	132
d Reigate (Hill Top Road)	H. E. Irving Taylor, Esq.	5	0	10	375	..	36·44	209	141
d Redhill (London Road)	A. E. Cornwall-Walker, Esq.	5	1	0	270	..	35·22	197	142
d Reigate (Wray Park Road)	W. J. MacAndrew, Esq.	5	1	0	330	29·8	36·70	194	140
d Reigate (Castle Grounds)	G. G. Sanderson, Esq., C.E.	5	1	0	350	30·4	35·14	200	141
d Reigate (Thurso)	F. S. Smith, Esq.	8	1	0	270	..	34·76	..	..
d Reigate (Raglan Rd.)	G. E. Collip, Esq.	5	1	1	450	..	37·67	198	138
d Mersham (Gatton Point)	C. F. Bull, Esq.	5	1	0	300	..	35·58	198	141
d Effingham	A. E. Cornwall-Walker, Esq.	5	1	0	363	..	34·40	..	..
d Headley Reservoir	A. E. Cornwall-Walker, Esq.	5	1	0	629	..	41·29	202	153
d Gatton (The Cottage)	J. F. E. Goad, Esq.	5	0	11	434	..	33·32	219	134
d Headley Rectory	Rev. T. E. R. Phillips	5	1	0	570	..	38·82	211	143
d Headley (The Hurst)	Mrs. Lyall	5	1	3	420	32·2	35·04	196	148
d Walton-on-the-Hill	Mr. J. Millichamp	5	1	0	600	29·6	38·74	210	146
d Leatherhead (Elmer Softening Wks.) A.E. Cornwall-Walker, Esq.		5	1	0	168	..	31·35	181	124
d Leatherhead (The Mansion)	The Head Gardener	5	1	6	150	..	32·58	189	132
d Leatherhead (Tyrrells Wood)	E. H. Cutbill, Esq.	5	0	7	410	..	37·63	190	148
d Leatherhead (Windfield)	Mrs. Still	5	1	6	250	..	33·95	..	140
d Tadworth	C. H. L. Blaxland, Esq.	5	1	4	600	..	40·54	234	157
d Tadworth (Pumping Station)	Banstead U.D.C.	5	1	0	405	..	36·99	211	141
d Ashted (Park Lane)	G. R. Crompton, Esq.	8	1	0	320	..	33·67	205	130
d Leatherhead (Sewage Works) (+A) F. J. Southam, Esq.*		8	1	6	104	..	29·66	173	122
d Epsom (Dowus Road)	T. N. Young, Esq.	5	1	0	400	..	32·19	184	130
d Epsom College	S. A. Weare, Esq.	8	1	6	300	..	28·72	169	119
d Banstead Grange	R. L. Powell, Esq.	5	0	10	390	..	37·49	198	147
d Epsom (Sewage Farm)	The Surveyor	8	1	0	125	23·9	27·82	184	123
d Epsom (Water Works)	T. N. Young, Esq.	5	1	0	150	..	28·40	155	121
d Whiteley Village	The Whiteley Homes Trust	8	3	4	195	..	28·55	200	131
d Cobham (Uplands)	R. S. Morrish, Esq.	5	0	9	180	..	31·28	195	138
d Epsom (Long Grove Ho.)	Dr. F. G. L. Barnes	5	1	0	130	..	26·52	168	120
d Weybridge (St. George's Hill)	Mrs. Buckley	5	0	10	200	..	27·11	170	125
d Claygate (Claygate House)	S. W. Parkhurst, Esq.	5	0	7	100	..	28·62	..	..
d Claygate (Hertslets)	N. C. Armitage, Esq.	5	1	0	106	..	28·50	192	127
d Esher (Halidon)	D. H. Baird, Esq., C.B.E.	5	1	3	100	..	29·04	172	126
d Sutton (Mulgrave Rd.)	Mrs. A. Carter	5	1	0	214	..	32·97	192	127
d Sutton (Waterworks)	late W. Vaux Graham, C.E.	5	1	6	166	26·0	31·38	174	126
d Sutton (Sewage Works)	(+A) N. H. Michell, Esq., C.E.*	5	1	6	99	28·8	29·71	169	123
d Epsom (Ruxley Lane S. Wks.) (+A) The Surveyor*		5	1	0	76	..	28·33	154	130
d Weybridge (Weyland S. Wks.) (+A) Walton & Weybridge U.D.C.*		8	1	0	60	..	25·94	178	119
d Worcester Park (Sewage Wks.) (+A) N. H. Michell, Esq., C.E.*		5	1	0	68	..	30·31	174	129
d Old Malden (Sports Ground) (+A) A. R. Goldthorp, Esq.*		5	1	0	64	..	29·26	170	129
d Morden (Recreation Ground) (+A) R. W. North, Esq., C.E.*		5	1	0	117	..	29·60	166	131
d Surbiton (Seething Wells)	Met. Water Board	5	0	10	34	24·1	27·72	166	124
d Surbiton (Sewage Disp. Wks.) (+A) R. Thirlway, Esq.*		5	1	0	51	..	27·69	166	120
d West Molesey (Walton Works)	Met. Water Board	5	1	0	35	23·5	26·88	170	115
d New Malden (Dunbar Road)	J. W. Harris, Esq.	5	1	0	50	24·8	30·43	166	135
d New Malden (Sewage Wks.) (+A) A. R. Goldthorp, Esq., C.E.*		5	1	0	51	..	25·96	163	117
d New Malden (High Drive)	Mrs. Ben. G. Brame	5	1	0	60	..	29·40	186	120
d New Malden (Acacia Grove)	A. C. Josling, Esq.	5	1	0	50	..	30·97	191	124
d Kingston (Grammar School)	The Headmaster	5	0	11	31	..	27·34	..	..
d Kingston Sewage Works	(+A) P. G. Lloyd, Esq.*	5	1	0	25	..	26·23	149	106
d Merton Park (Mostyn Rd.)	A. T. Bench, Esq.	5	1	0	55	25·0	30·22	184	127
d Merton Park (Innes Hort. Inst.)	Garden Superintendent	5	1	0	55	..	28·70	151	121
d Merton (Joseph Hood Rec. Gd.)	R. W. North, Esq., C.E.	5	1	0	48	..	29·42	162	135
d Raynes Park (Cottenham Pk. P.S.) T. Webster, Esq., C.E.		5	1	2	50	23·6	28·63	172	128

* Per Surrey County Council.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
				Height of	Average		Rain-fall.	Days with	Days with
				Rim above Ground.	age above Rain-fall.			·01 in. or more.	·04 in. or more.
				Ground. Sea Level.					
SURREY—(con.).			in.	ft. in.	ft.	in.	in.		
5.—THAMES—Mole & c.—(con.).									
d Wimbledon (Denmark Av.)	W. B. de Winton, Esq.	5	1	0	70	..	30·83	188	137
d Wimbledon (West Side)	E. K. Wilson, Esq.	5	1	0	160	..	27·01	155	121
d New Malden (Kingston Vale) (+A)	A. R. Goldthorp, Esq.*	5	1	0	47	..	28·57	168	122
d Richmond (Terrace Gardens)	G. Humphreys, Esq.	5	1	3	29	..	28·06	161	118
d East Sheen Cemetery	(+A) Barnes Corporation*	5	1	0	88	..	27·74	153	116
d Kew OBSERVATORY	(+A) Meteorological Office	8	0	10	18	23·8	27·03	170	114
d Mortlake (Hammersmith Cem.)	R. J. Brown, Esq.	5	1	0	23	..	27·18	146	112
d Kew (Royal Botanic Gardens)	The Director	8	0	9	20	23·4	28·50	163	121
d Barnes (Barn Elms)	Met. Water Board	5	1	0	16	22·9	25·89	157	117
6.—THAMES—Wey. 236 sq. mi.									
d Haslemere (U.D.C. Depot)	The Surveyor	5	1	0	475	36·2	39·03	193	146
d Shottermill (Sewage Works) (+A)	The Surveyor*	5	1	0	381	..	40·20	186	152
d Haslemere (Frensham Hall Gdns.)	H. Windibank, Esq.	5	1	0	750	..	42·72	184	150
d Haslemere (Frensham Hall Farm)	H. Windibank, Esq.	5	1	0	600	37·4	41·17	179	154
d Hindhead Waterworks	Wey Valley Water Co.	5	1	0	849	..	38·47	195	151
d Oakwood Hill (Honeywood Ho.)	The Lady Tredegar	5	0	10	270	..	35·42	203	146
d Witney (King Edward's School)	W. D. Reynolds, Esq.	5	1	0	300	..	33·80	184	148
d Churt (Furze Hills)	Rev. C. G. O. Bond, M.A.	5	1	6	390	..	34·08	194	148
d Churt (Bron-y-dé)	Rt. Hon. D. Lloyd George	8	2	0	350	..	33·35	170	136
d Thursley (Bowlhead Green)	F. K. Borrow, Esq.	5	1	0	405	..	38·05	174	145
d Godalming (Park Hatch)	Capt. J. Godman	5	..	..	..	..	36·07	161	149
d Hascombe Place	C. T. Musgrave, Esq.	5	1	0	361	31·7	36·27	189	141
d Hascombe Court	Sir John Jarvis, Bt.	5	1	0	400	..	36·73	194	146
d Hascombe (Winkworth Hanger)	J. H. Wenham, Esq.	5	1	0	430	..	34·63	183	144
d Witley (King George V. Sanatm.)	Dr. J. Watt	5	1	0	305	..	35·29	180	140
d Cranleigh (Ruffold Lodge)	Dr. C. J. Blakeman	5	1	3	180	..	32·59	192	144
d Cranleigh (Smithwood Common)	W. C. Foote, Esq.	5	1	0	340	..	34·21	172	144
d Godalming (Enton Green)	Gen. Sir J. du Cane	5	1	0	200	..	36·07	177	145
d Ewhurst (Downhurst Lo.)	W. H. Boniface, Esq.	5	1	0	310	..	36·12	194	140
d Ewhurst (Coneyhurst)	Col. R. J. Few, D.S.O.	8	1	0	561	33·7	36·07	202	153
d Ewhurst (The Four Winds)	Miss E. Brooke	5	1	0	809	..	37·92	191	165
d Ewhurst (Woolpit)	L. J. E. Hooper, Esq.	5	1	0	600	..	39·56	207	157
d Cranleigh (Winterfold House)	The Head Gardener	8	1	0	600	..	(36·52)	(196)	(142)
d Frensham (Spreakley Hollow)	A. R. Crossley, Esq.	5	1	0	200	..	32·58	176	136
d Milford (Manor Wood)	G. S. Unwin, Esq.	5	1	0	290	..	31·39	190	129
d Godalming (Munstead Heath)	A. M. P. Hodsoll, Esq.	5	1	0	450	..	34·95	..	138
d Godalming (Ockford P.S.)	The Engineer and Manager	8	1	0	152	..	32·26	169	130
d Godalming (Borough Rd. P.S.)	The Engineer and Manager	8	1	0	120	..	32·13	195	133
d Godalming (Filmer Grove)	Miss Sanderson	5	1	0	..	..	31·45	187	133
d Godalming (Chalk Road)	Rev. W. Havard-Jones	5	0	9	150	..	33·22	199	143
d Godalming (Charterhouse)	O. H. Latter, Esq.	5	1	0	130	29·2	31·05	187	135
b Farnham (Boundstone)	A. Hampton Brown, Esq.	5	1	0	370	..	32·60	191	137
d Tilford (Openwood)	Capt. G. A. Moxon	5	1	0	480	..	30·01	195	134
d Tilford (Highmead)	Mrs. P. E. Lewis	5	0	10	250	..	32·26	197	148
d Tilford (Brownholm) <i>new g.</i>	J. King, Esq.	5	1	0	275	..	32·82	177	144
d Holmbury St. Mary (Feldemore)	Mr. W. E. Hobday	5	1	0	500	..	41·06	..	146
d Abinger Com. (Little Parkhurst)	Rt. Hon. Lord Lugard, P.C.	5	1	0	757	..	43·84	213	162
d Bramley Park Gardens	The Head Gardener	5	2	8	145	..	35·63	182	147
d Shackleford (Hall Place)	Sir Edgar Horne, Bart.	8	1	2	200	..	32·79	203	139
d Peaslake (Southcots)	H. M. Gregory, Esq.	5	1	0	420	..	41·06	204	160
d Bramley	W. H. Morgan, Esq.	5	1	3	132	..	32·26	187	142
d Abinger Hill School	The Headmaster	5	3	0	670	..	(39·73)	(172)	(144)
d Abinger Common (Goddards)	J. A. Gibbs, Esq.	5	1	0	586	..	42·31	198	150
d Abinger Common (Furzen Wood)	Major E. J. Lugard	5	1	0	555	..	38·82	200	151
d Compton (Brook House)	Major H. E. Rudkin	5	0	10	180	..	31·47	177	131
d Wotton (Homefield)	C. D. Atkinson, Esq.	5	1	1	435	..	38·08	192	147
d Abinger Hall	Lord Farrer	8	3	0	300	36·5	40·66	215	155
d Shere (Manor House)	R. A. Bray, Esq.	5	1	0	330	..	34·95	203	132
d Shere (The Rectory)	Rev. Sir P. M. Bowman, Bt.	5	1	3	200	..	36·37	190	155
d Albury (Dalton Hill Gardens)	Mr. J. Tidy	5	1	0	250	..	33·20	174	136

* Per Surrey County Council.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain-fall.	1939.			
			Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rain-fall.		Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.	
SURREY—(con.).			in.	ft. in.	ft.	in.	in.			
6.—THAMES—Wey—(con.).										
d Shalford (The Hutch)	Capt. G. C. Pentland	5	1	6	160	..	29.76	172	126	
d Farnham (Longley Rd.)	C. Edwards, Esq.	5	1	0	303	..	31.24	183	130	
d Seale (The Sands)*	F. R. Walters, Esq., M.D.	5	1	0	440	31.0	32.34	186	146	
d Chilworth (Braunston)	E. Ramsay, Esq.	5	0	11	170	..	33.48	211	131	
d Puttenham (Berthorpe)	Capt. E. H. Tuckwell, M.C.	5	1	0	350	..	32.28	189	141	
d Wanborough (Greyfriars)	The Head Gardener	5	1	0	400	..	31.01	..	134	
d Guildford (Pilgrim Wood)	H. A. Powell, Esq., M.D.	5	1	0	325	..	31.30	181	125	
d Guildford (Warren Road)	Colin Docwra, Esq.	8	1	0	375	..	29.76	162	130	
d Guildford (Pewley Hill Res.)	Borough Surveyor	5	1	0	365	..	29.47	180	129	
d Guildford (Pewley Hill)	Miss H. S. Pitman	5	1	0	365	..	31.59	222	137	
d Guildford (West Mount)	Miss M. E. Powell	5	1	0	220	..	31.31	196	134	
d Guildford (Epsom Road)	Frank E. Box, Esq.	8	1	0	208	..	31.21	200	134	
d Guildford (Kilvington)	Miss Meynell	5	1	0	300	..	31.02	201	130	
d Guildford (Avonmore Avenue)	E. T. Fulk, Esq.	5	1	0	184	..	29.77	185	128	
d Guildford (Joseph's Rd.)	Borough Surveyor	5	1	0	98	..	29.18	180	130	
d Guildford (Wood Street)	J. Taylor, Esq.	5	1	6	150	..	33.64	181	137	
d Normandy (The Manor House)	E. S. Hose, Esq., C.M.G.	5	1	4	149	..	30.86	179	132	
d Merrow (Stoodwell)	S. Eustace, Esq.	5	0	10	250	..	30.73	158	138	
d West Clandon	J. Dalrymple, Esq., C.E.	8	1	0	319	..	30.82	182	128	
d West Clandon (Newlands)	W. T. Patrick, Esq.	5	1	0	200	..	31.07	185	129	
d Worplesdon (Tangle Place)	E. J. W. Jeudwine, Esq.	5	1	10	150	..	29.34	176	136	
d Pirbright (Bakersgate)	C. Lyle, Esq.	5	1	0	120	..	30.74	188	138	
d Worplesdon (Golf Club)	The Secretary	5	1	6	168	..	27.80	173	130	
d Send (Woodside)	G. M. Osborne, Esq.	8	0	10	146	..	29.17	171	123	
d Send (Send Hill House)	L. A. T. Broadwood, Esq.	5	1	1	150	..	27.54	186	120	
d East Horsley (Forest Lane)	H. Blanchard, Esq.	5	1	0	176	..	31.09	181	127	
d Woking (The Grange)	Miss M. E. Wilson	5	1	0	78	26.1	31.99	209	145	
d Woking (Westfield)	Vernon B. Longhurst, Esq.	5	1	0	100	..	28.44	192	136	
d Woking (York Road)	L. C. Norris, Esq.	5	1	0	120	..	27.31	179	121	
d Woking (The Green)	Mrs. G. E. Howlett	5	1	9	100	..	27.96	168	135	
d Brookwood (Sheets Heath)	Captain H. J. Cann	5	1	0	200	..	28.89	..	..
d Old Woking (Sewage Works)	Woking U.D.C.	5	0	6	76	..	27.66	175	133	
d Woking (Percy Street)	J. Dalrymple, Esq., C.E.	8	1	0	100	..	28.21	179	125	
d Woking (Goldsworth)	Mrs. S. Slocock	5	1	4	110	..	28.56	..	..
d Woking (Goldsworth Rd. Depot)	Woking U.D.C.	5	2	6	96	..	30.15	175	134	
d Byfleet (WISLEY R.H.S. Gdns.)	The Director	8	1	0	150	24.1	28.00	182	127	
d Wisley (Outfall Works)	Woking U.D.C.	5	1	0	55	..	28.13	..	124	
d West Byfleet (Scotland Bridge)	Woking U.D.C.	5	1	0	86	..	27.80	..	122	
d Addlestone	W. V. Davies, Esq., C.E.	8	1	0	42	..	28.25	183	119	
d Weybridge (Oil Mills)	A. Whittet, Esq.	5	1	0	36	24.1	27.78	192	118	
d Walton-on-Thames W.W.	West Surrey Water Co.	5	1	4	33	..	25.38	150	110	
7.—THAMES—Bourne. 55 sq. mi.										
d Knap Hill (Ulundi)	G. C. H. Simmonds, Esq.	5	1	0	180	..	31.36	186	139	
d Knap Hill Nurseries	Donald Waterer, Esq.	5	1	0	118	..	27.80	176	127	
d Chobham (West End)	F. A. Walter, Esq.	5	1	0	150	..	30.07	203	136	
d West Byfleet (N. Zealand Golf Co.)	The Secretary	5	1	7	100	..	29.14	200	126	
d Chobham (Little Donnystone)	W. Acworth, Esq.	5	1	0	90	..	28.51	171	130	
d Bagshot (Charlton)	W. Perry, Esq.	5	0	10	215	..	31.39	168	135	
d Bagshot	J. Waterer Sons & Crisp, Ltd.	5	1	0	265	..	29.74	158	127	
d Windlesham (Windlesham Ho.)	R. Adml. A. Cochrane, C.M.G.	5	1	0	200	..	32.00	199	142	
d Windlesham (Woodside)	A. R. F. Bosman, Esq.	5	0	11	250	..	29.84	164	134	
d Upper Childown (Long Cross H.)	Miss C. M. Leycester-Penrhyn	5	1	0	220	..	30.44	222	128	
d Chertsey	W. V. Davies, Esq., C.E.	8	1	0	39	..	28.35	175	120	
d Chertsey (Abbey Meads)	J. Dalrymple, Esq., C.E.	8	1	0	53	..	26.24	174	114	
d Virginia Water (S. Ann's Heath)	H. Y. Summons, Esq.	8	1	1	80	25.4	30.66	176	132	
d Englefield Green (Harvest Rd.)	H. Fernor, Esq.	5	1	3	205	..	29.72	188	131	
d Egham (Water Works)	S. W. Suburban Water Co.	8	0	3	55	..	30.26	172	130	
d Egham (Water Works)	S. W. Suburban Water Co.	5	1	0	54	..	28.75	172	128	

* Station formerly called Farnham (Littleworth Road).

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average	Rain-fall.	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
			Rim	Ground					
			above	above					
			Ground.	Sea Level.					
SURREY—(con.).			in.	ft. in.	ft.	in.	in.		
8.—THAMES—Loddon. 17 sq. mi.									
d Frimley Pumping Station	Mid-Wessex Water Co.	5	1 0	213	..	30·24	..	..	..
d Frimley Green (Ridgemount)	C. C. Haviland, Esq.	5	0 9	350	29·1	31·91	215	138	..
d Camberley (Way's End)	E. Ernest Green, Esq.	5	0 11	295	..	30·39	184	139	..
d Camberley (The Holt)	Sir Henry Scott-Smith	5	0 6	350	..	33·05	199	148	..
d Camberley (Cordwalles)	C. H. Ledward, Esq.	5	1 0	400	..	29·85	187	132	..
KENT. (Area, 1,532 sq. mi.)									
1.—ROTHER & C. 217 sq. mi.									
d DUNGENESS (Lighthouse)	Chief Officer R.N. Sig. Stn. (M.O.)	8	0 11	20	24·4	33·86	178	135	..
d Lydd (Westbroke House)	A. G. Finn, Esq., J.P.	5	1 0	10	..	34·25	169	127	..
d New Romney (Mabledon)	A. F. Finn-Kelcey, Esq.	5	1 0	15	..	32·20	..	..	..
d Brookland (Poplar Hill)†	Walling Marsh Drainage Bd.	5	1 8	11	..	32·83	169	126	..
d Dymchurch (Sieve Truim)	W. Hamill Morton, Esq.	5	1 0	7	..	34·81	179	135	..
d Appledore (The Well House)	Dr. F. W. Cock	5	1 5	23	..	35·14	173	124	..
d Hawkhurst (Moor House)	F. S. Springett, Esq.	5	1 0	210	..	31·22	..	126	..
d Hawkhurst (Hensill)	Mrs. F. Ross Thomson	5	1 0	280	30·5	34·04	179	136	..
d Kenardington (The Firs)	Cmdr. F. H. Lyon, D.S.O.	5	1 2	65	..	33·20	179	132	..
d Tenterden (Ashenden)	T. C. Norris, Esq.	5	1 0	190	27·5	33·90	179	138	..
d Hythe	M. J. Harvey, Esq., C.E.	5	0 9	12	28·0	38·40	183	143	..
d Hythe (Douglas Avenue)	W. H. Elder, Esq.	5	1 9	33	..	37·18	182	146	..
d Saltwood (Cylinder)	Miss M. Lethbridge	5	1 0	230	..	41·06	182	149	..
d Folkestone (Sandgate)	Borough Engineer	5	1 0	185	..	42·85	185	151	..
d Folkestone (Municipal Offices)	Borough Engineer	5	1 0	135	..	40·79	176	147	..
d Folkestone (Isolation Hospital)	Borough Engineer	5	1 0	101	28·6	42·26	182	149	..
d Folkestone (Cherry Gardens)	Folkestone W. W. Co.	5	1 6	230	29·1	45·38	190	152	..
d Alkham (Lower Standen)	Folkestone W. W. Co.	5	2 11	250	..	42·18	175	140	..
d Dover (Waterloo Crescent) (+A)	Borough Engineer	5	1 0	19	..	42·65	185	138	..
d Dover (Waterworks)	Borough Engineer	5	1 6	200	30·0	43·01	155	134	..
d Kearsney (Chilton Farm)	Borough Engineer	5	1 6	127	33·5	49·59	181	148	..
2.—STOUR & C. 386 sq. mi.									
d LYPFNE (Airport)	(+A) Meteorological Office	8	1 0	346	28·5	37·45	195	139	..
d Sellindge (Council School)	S. H. Serpell, Esq.	5	1 0	200	..	41·87	187	145	..
d Lyminge (Elham Valley W.W.)	Phillip Harris, Esq.	5	1 6	445	..	47·06	201	158	..
d Elham (Ottinge)	S. G. Holmans, Esq.	5	1 9	300	..	49·50	175	151	..
d Ashford (Gas Works)	L. G. Kimmins, Esq.	5	0 11	125	..	36·65	182	133	..
d Swingfield (St. John's)	Miss N. Mitchell	5	1 0	500	..	47·21	173	140	..
d Ashford	B. H. Headley, Esq.	5	1 0	190	..	39·67	208	149	..
d Ashford (Albert Road)	A. E. Brounger, Esq.	5	1 6	185	..	38·40	197	139	..
d Ashford (Belmore)	J. W. Kennard, Esq.	5	1 0	200	..	37·51	182	137	..
d Elham (Bladbean Farm)	Capt. T. L. Wall	5	0 9	459	..	47·53	175	149	..
d Dover (Martin Mill Pump. Stat.)	W. A. Parker, Esq.	5	1 0	287	..	44·74	178	144	..
d Wye (Agricultural College)	S. E. Agric. College	5	1 0	164	..	38·40	191	139	..
d Waldershare Rectory	Rev. H. Saumarez Smith	5	1 0	275	..	48·17	196	151	..
d Waldershare Park Gardens	J. Hagggett, Esq.	8	1 0	250	33·2	46·83	180	154	..
d Shepherdswell (Upton Lodge)	Rutley Mowll, Esq.	5	1 0	300	..	46·73	204	146	..
d Boughton Aluph (The Glebe House)	E. Simmons, Esq.	5	1 3	220	..	37·95	189	139	..
d Charing Pumping Station	W. A. Parker, Esq.	5	1 0	295	..	34·61	184	141	..
d Charing (Pett Place)	Brig.-Gen. T. M. S. Pitt	5	1 0	300	..	40·60	196	147	..
d Deal and Walmer W.W.	W. Mantle, Esq.	5	1 0	110	28·0	40·07	179	136	..
d Barham (Old House)	L. S. Osmaston, Esq.	5	0 9	175	..	(41·92)	(192)	(146)	..
d Barham House	Col. R. G. Clarke	5	0 9	194	..	42·07	193	136	..
d Barham Pumping Station	W. A. Parker, Esq.	5	..	173	..	42·18	182	133	..
d Deal (Wellington Road)	The Town Clerk	5	1 0	25	..	33·90	164	127	..
d Worth (Bettshanger Colliery)	Pearson & Dorman Long, Ltd.	5	1 0	5	..	35·20	172	127	..
d Worth (Upton House)	Capt. W. Elwin Napier	5	1 0	32	27·7	40·99	170	140	..
d Worth (Felder Lodge)	J. S. Campbell, Esq.	5	0 10	26	..	39·41	184	137	..
d Wingham (Margate W.W.)	Mr. J. H. Parker	5	1 0	138	28·7	40·82	200	135	..
d Chilham (Lower Ensden)	F. Ivo Neame, Esq.	5	3 0	305	..	38·74	190	147	..

† Gauge previously at Brookland (Dean Court).

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

		Rain-gauge			Average Rain- fall.	1939.		
STATIONS.	AUTHORITIES.	Diam.	Height of Rim above Ground.	Sea Level.		Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
		in.	ft.	in.	ft.	in.	in.	
KENT—(con.).								
2.—STOUR & C.—(con.)								
D Wingham Boys' School	The Headmaster	5	1	0	55	..	36·51	151 125
D CANTERBURY (St. Keyne)	A. Lander, Esq.	5	1	0	135	..	33·67	164 122
D Canterbury (London Road)	Miss B. Spillett	5	1	0	66	23·7	33·68	174 127
D Canterbury (Irrigation Works)	The Manager	5	2	6	15	27·5	34·96	178 133
D Canterbury (Rough Common)	R. W. Wood, Esq.	5	1	0	228	..	36·10	.. 122
D Preston (The Old Vicarage)	J. H. Dyson, Esq.	5	1	0	34	..	34·20	184 127
D RAMSGATE (East Cliff)	(+A) Borough Engineer	8	1	0	80	24·0	35·85	156 147
D Ramsgate (Archer House)	Miss M. A. G. Saunders	5	1	0	75	..	35·96	172 136
D MANSTON (Aerodrome)	(+A) Meteorological Office	8	1	0	151	..	33·51	179 125
D Reculver	Allington Collard, Esq.	5	5	2	27	21·8	31·97	148 118
D Broadstairs (Domus)	Capt. W. B. Marling	8	1	0	60	..	36·75	143 129
D St. Peter's (Hildersham House)	The Surveyor	5	0	9	145	23·7	37·59	156 133
D Birchington (Hollydene)	W. Tomlin, Esq., Junr.	5	6	0	75	..	33·63	142 120
D Westgate-on-Sea (St. Mildred's Htl.)	R. L. Alexander, Esq.	5	1	0	20	..	34·75	183 128
D MARGATE (Cliftonville)	The Town Clerk	5	1	0	51	22·8	31·88	157 124
3.—SWALE & C. 167 sq. mi.								
D Selling (Grove House)	F. Ivo Neame, Esq.	5	1	5	320	..	37·76	171 128
D Selling (Luton)	F. Ivo Neame, Esq.	5	4	9	300	30·4	39·24	163 133
D Sittingbourne (Torry Hill)	D. Leigh Pemberton, Esq.	5	1	0	497	..	39·25	194 142
D Newnham (Pumping Station)	W. A. Parker, Esq.	5	1	0	107	..	33·93	174 119
D Faversham (Water Wks.)	The Engineer & Manager	8	1	6	130	..	38·58	174 121
D Ospringe (Queen Court)	L. H. Finn, Esq.	8	1	3	50	..	34·10	149 117
D Ospringe (Lorenden)	L. H. Finn, Esq.	5	1	6	175	..	34·66	161 125
D Faversham (Portway)	C. Gordon Neame, Esq.	5	3	6	190	..	34·69	167 127
D Faversham (Sewage Disp. Works)	Colin Walton, Esq.	8	1	0	22	..	31·97	169 118
D Whitstable (Green Lees)	W. H. Wetherell, Esq.	8	1	0	125	..	33·32	205 123
D Teynham (New Gardens)	Mrs. Honeyball	5	1	5	30	24·5	29·92	175 118
D Graveney Marshes	L. H. Finn, Esq.	8	2	3	6	..	31·69	.. 110
D Milton Regis (Sewage Works)	Sittingbourne U.D.C.	5	1	1	19	..	29·44	149 115
D WHITSTABLE (Westmeads Rec.Gnd)	The Engineer to the U.D.C.	5	1	0	9	..	29·86	165 109
D Herne Bay (Waterworks)	J. Roberts, Esq.	5	1	6	125	22·8	30·67	.. ..
D HERNE BAY (St. Anne's Home)	The Surveyor	5	1	0	21	..	30·11	176 116
D Eastchurch (Barnland)	A. Beal, Esq.	5	1	0	180	..	26·78	158 110
D SHEERNESS	Medical Officer of Health	5	1	0	9	..	(23·70)	(150) (104)
4.—MEDWAY, 506 sq. mi.								
D GOUDHURST (Bedgebury Forest)	Forestry Commission	5	1	0	290	..	38·48	213 145
D Goudhurst (Bedgebury Pk. Gdns.)	Mr. H. Arnold	5	1	0	280	..	39·14	.. 136
D Cranbrook (Little Glassenbury)	J. I. Stirling, Esq.	5	0	10	360	..	36·82	188 140
D Lamberhurst (Bayham Abbey)	Mr. G. J. Miller	5	1	0	250	..	39·14	186 154
D Goudhurst (Gore Court)	J. A. Druce, Esq.	5	1	0	197	30·3	34·20	181 145
D Tunbridge Wells (Hawkenbury)	D. W. Horner, Esq.	5	1	6	435	..	38·21	183 143
D Tunbridge Wells (Langton Green)	Miss A. M. Pott	5	1	0	400	..	34·89	185 138
D TUNBRIDGE WELLS (Calverley Pk.)	Medical Officer of Health	5	1	0	351	..	35·88	183 136
D Tun. Wells (The White House)	Miss Monica G. Robins	5	1	6	300	..	36·48	170 150
D Matfield (Kings Mead)	Henry Hills, Esq.	5	1	4	390	..	37·39	170 139
D Brenchley (The Warren)	Capt. Carl Langer	5	0	6	275	..	36·37	190 144
D Speldhurst Rectory	Rev. Canon H. Masters	5	0	10	334	..	35·15	187 140
D Pembury (The Spring)	Miss A. P. Fowler	5	1	0	416	..	36·90	206 154
D Pembury Waterworks	H. P. Bishop, Esq., C.E.	8	0	5	197	..	34·71	177 125
D Markbeech (Edells)	Miss M. F. Pearce	5	1	0	320	..	32·69	199 139
D Edenbridge (Falconhurst)	Hon. Mr. Justice Talbot	5	1	6	375	30·7	35·26	179 140
D Edenbridge (Stonewall Pk.)	Lt.-Col. E. R. Meade-Waldo, D.S.O.	5	1	1	344	..	33·65	171 142
D Edenbridge (Giltridge)	J. Mavrogordato, Esq.	5	1	0	400	..	35·49	194 133
D Penshurst (Chiddingstone Cas.)	Miss D. Feiling	5	..	..	300	..	33·55	162 135
D Edenbridge (Hever Castle)	Mr. A. McCutcheon	5	1	0	200	..	33·01	176 125
D Headcorn (Upaloug)	R. S. Hartree, Esq.	5	1	6	100	..	30·55	157 118
D Pluckley (Brick Works)	Guy G. Davies, Esq.	5	1	6	112	..	32·84	164 131

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain-fall.	1939.		
			Height of Rim above Ground.	Ground above Sea Level.	ft.		Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
KENT—(con.).			in.	ft. in.	ft.	in.	in.		
4.—MEDWAY—(con.).									
d Penshurst Place	The Rt. Hon. Lord De Lisle & Dudley	5	1	6	120	...	31.72	177	130
d Tonbridge (Mabledon Park)	J. F. W. Deacon, Esq.	5	1	0	190	..	32.60	203	140
d Hildenborough (Gables)	E. E. Roper, Esq.	5	1	0	159	..	31.72	162	129
d Hildenborough (Hollenden Ho.)	C. H. Scott, Esq.	8	1	0	99	..	31.83	179	139
d Hildenborough (Old School Cot.)	J. S. Roper, Esq.	5	1	0	275	..	33.70	180	137
d East Peckham (Woodbine)	W. H. Pearson, Esq.	8	1	0	48	..	31.81	179	129
d Langley (Rumwood Court)	Mr. W. J. Gould	5	1	9	354	..	34.88	197	134
d Lenham	D. F. Tysoe, Esq.	5	1	6	400	..	39.30	181	135
d Otham (Synyards)	Ambrose Boyson, Esq.	5	1	0	315	..	37.72	215	152
d Sevenoaks (River Hill)	Lt.-Col. J. M. Rogers, D.S.O.	5	1	6	500	30.0	35.37	186	142
d Hollingbourne (Penn Court)	S. Lucy, Esq.	5	1	1	261	..	39.41	192	149
d Maidstone W.W. (Barming)	C. H. Harden, Esq., C.E.	5	1	4	245	..	33.36	174	136
d Maidstone (Mill Street)	J. H. Hughes, Esq.	8	6	0	37	..	33.06	189	136
d Maidstone (Brenchley Gardens)	J. H. Hughes, Esq.	5	0	9	49	..	33.37	179	140
d East Malling (Belvidere)	O. I. L. Bird, Esq.	5	1	9	250	..	35.09	166	144
d EAST MALLING (Research Station)	The Director	8	1	0	132	..	32.96	176	135
d Maidstone (Allington Lock)	Mr. A. H. Reed	5	1	0	20	..	29.04	154	127
d Aylesford (Forstal House)	A. F. Beddon, Esq.	5	1	4	13	..	32.63	167	127
d Aylesford (Forstal P. Stn.)	C. H. Harden, Esq., C.E.	5	1	4	20	..	32.29	170	132
d Detling (The Croft)	R. Cooke, Esq.	5	1	0	330	27.8	38.27	202	142
d Trottiscliffe Pumping Station	W. A. Parker, Esq.	5	1	8	250	..	34.69	164	136
d Maidstone W.W. (Boxley)	C. H. Harden, Esq., C.E.	5	1	0	286	..	33.87	189	133
d Chatham (Woolmans Wood)	A. E. Watkins, Esq., B.Sc.	5	3	0	470	..	36.47	170	141
d Halling Pumping Station	W. A. Parker, Esq.	5	1	0	75	..	33.65	..	128
d Chatham (Nashenden P.S.)	A. E. Watkins, Esq., B.Sc.	5	0	9	125	..	34.80	170	136
d Chatham (Luton W.W.)	A. E. Watkins, Esq., B.Sc.	5	3	0	84	..	32.15	173	136
d Rainham (Motney Hill)	J. B. Harvey, Esq.	5	1	0	28	..	28.01	165	120
d Rochester (Deanery Gate)	Warwick Stunt, Esq.	5	1	6	50	..	30.33	161	125
d Strood Waterworks	(+A) W. Law, Esq., C.E.	5	1	0	112	..	30.98	173	126
d Frindsbury (Shornells)	F. J. Talbot, Esq.	..	..	..	50	..	31.03	186	130
d Stoke Vicarage	Rev. A. E. Ottaway	5	0	10	80	..	25.91	170	124
5.—THAMES—Darent & c. 256 sq. mi.									
d Westerham Town	Met. Water Board	5	1	0	380	..	36.35	193	137
d Westerham Hill Pumping Stat.	Met. Water Board	5	1	0	539	..	38.74	200	136
d Sundridge Pumping Stn.	Met. Water Board	5	1	0	270	..	35.48	172	133
d Sevenoaks (Knole Park)	The Head Gardener	5	1	0	500	..	35.65	184	147
d Sevenoaks (Oak Lane)	E. H. Evans, Esq.	8	1	6	428	..	36.47	..	140
d Tatsfield (Betsoms Hill)	Met. Water Board	5	1	0	820	..	38.83	192	141
w Seal (Oak Bank Reservoir)	E. H. Evans, Esq.	8	1	3	548	..	33.98	..	..
w Seal (St. Lawrence Reservoir)	E. H. Evans, Esq.	8	1	3	665	..	34.48	..	..
w Seal (Kemsing Pumping Stn.)	E. H. Evans, Esq.	5	1	3	292	..	32.83	..	..
d Sevenoaks (Chevening Gardens)	The Head Gardener	5	1	0	360	..	39.61	185	137
d Knockholt (Kent Waterworks)	Met. Water Board	5	1	0	785	29.0	39.90	200	140
w Sevenoaks (Polhill Res.)	E. H. Evans, Esq.	5	1	0	369	..	34.06	..	..
d BIGGIN HILL (Aerodrome)	Meteorological Office	8	1	0	567	31.4	39.03	200	136
d Downe (Down House)	Dr. O. J. R. Howarth, O.B.E., M.A.	5	1	1	560	..	39.36	181	141
d Chelsfield (Hewitts)	W. A. Waring, Esq.	5	4	0	476	..	34.19	177	128
d Shoreham (Highfield)	Sir Herbert B. Cohen, Bart., O.B.E.	5	0	9	650	..	36.17	195	144
d West Wickham (Pumping Stn.)	Met. Water Board	5	1	0	240	..	32.11	174	126
d Eynsford Pumping Station	Met. Water Board	5	1	0	100	..	31.72	171	124
d Eynsford Hill	Arthur Mee, Esq.	5	1	0	358	..	30.79	191	130
w Farningham (Dunbrae)	Bertram Grev, Esq.	5	1	0	230	..	30.90	..	..
d Orpington (Kent Waterworks)	Met. Water Board	5	1	0	220	..	33.83	177	132
d W. Wickham (Woodland Way)	D. A. Worthington, Esq.	5	0	9	325	..	33.73	198	131
d Crockenhill (Wested Farm)	A. T. Miller, Esq.	5	1	6	331	..	32.87	..	..
d Cobham (Crossways)	Mrs. A. M. Marsh	5	3	0	320	..	34.50	185	132
d Horton Kirby (Court Lodge)	W. Rogers, Esq.	5	1	0	30	..	28.47	..	126

‡ Turf wall round gauge.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average Rain-fall.	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.	
			above Ground.	above Sea Level.					
		in.	ft. in.	ft.	in.	in.			
KENT—(con.).									
5.—THAMES—Darent & c.—(con.).									
d Nurstead (Downs Road W.W.)	Gravesend & Milton W.W.Co.	8	1 0	164	..	31.53	175	131	
d Bickley (Farrants)	Miss Chalmers	5	1 0	250	25.9	35.40	177	133	
d Swanley (Glasshouse Den. Stn.)	W. Corbett, Esq.	5	1 3	265	..	33.01	211	137	
d Beckenham (Park Langley)	G. H. Preston, Esq.	5	1 0	210	..	31.81	174	138	
d Bromley (Sundridge Avenue)	Dr. H. Wynne Thomas	5	1 0	270	21.7	(32.26)	..	..
d BROMLEY	(+A) Borough Engineer	5	1 0	213	24.2	31.65	166	121	
d Bromley (Bishops Avenue)	G. H. Frauey, Esq.	8	1 0	190	..	(32.00)	(169)	(124)	
d Penge (Recreation Ground)	H. W. Longdin, Esq., C.E.	5	1 1	122	24.6	29.95	155	129	
d Anerley (Oakfield Road)	Miss S. Stannard	5	1 5	180	..	29.56	170	128	
d Chislehurst (Hawthwood)	Miss M. C. Edlmann	5	0 10	300	..	28.94	..	..
d Chislehurst (Holbrook Lane)	W. P. Jones, Esq.	5	1 0	330	25.1	33.63	..	..
d Chislehurst (Scribble Park)	Mr. B. Orchard	5	1 0	240	24.6	31.56	184	126	
d Swanley (Horticultural College)	The Principal	5	1 0	155	..	30.82	171	120	
d Bromley (Park Avenue)	K. P. Frampton, Esq.	5	1 0	200	..	31.44	177	122	
d Southfleet (Hook Place Farm)	J. Barker, Esq.	5	1 0	100	..	29.05	..	125	
d Southfleet (Kent Waterworks)	Met. Water Board	5	1 0	82	..	29.54	164	118	
d Wilmington (Kent Waterworks)	Met. Water Board	5	1 0	25	..	29.66	171	121	
d New Eltham	G. E. Dacey, Esq.	5	1 0	157	..	31.22	182	121	
d Stone (City of Lond. Ment. Hosp.)	A. W. Fletcher, Esq.	5	1 2	115	..	28.92	175	116	
d Bexley Heath (Danson Park) (+A)	The Surveyor	5	1 6	161	..	27.40	159	115	
d Dartford (Sewage Works)	The Resident Engineer	5	1 0	14	..	27.60	159	118	
d Erith (Sewage Works)	Erith U.D.C.	5	1 0	13	..	30.39	156	123	
d Higham Waterworks	C. H. Clark, Esq.	8	1 0	141	..	30.65	180	129	
d Erith (Crossness)	London County Council	14	1 0	16	20.8	26.46	167	115	
SUSSEX. (Area, 1,458 sq. mi.)									
1.—LAVANT & C. 175 sq. mi.									
d SLEIGH BILL	Chamber of Commerce	5	1 0	19	..	32.14	169	131	
d Bognor Regis (Greenways Sch.)	D. S. Hancock, Esq., F.R.Met.S.	5	1 0	25	..	31.22	162	120	
d BOGNOR REGIS (Waterloo Square)	The Town Clerk	8	1 0	24	25.9	32.51	171	130	
d Bognor Regis (Albert Road)	W. L. Guernonprez, Esq.	8	1 0	17	..	30.66	192	133	
d North Mundham Vicarage	Rev. A. F. H. Outram	5	0 9	0	..	36.34	182	139	
d Merston (Abelands)	Miss V. Kennard	5	1 0	24	..	36.11	172	130	
d Bosham (Cobnor)	Major S. W. P. Beale	5	1 6	12	..	33.00	168	119	
d Chidham (Chidmere)	H. L. Baxendale, Esq.	5	1 0	14	..	31.46	159	123	
d Chidham P. School	The Headmaster	5	1 0	10	..	30.97	166	121	
d Bosham (Council School)	The Headmaster	5	0 6	14	..	32.91	170	124	
d Chichester (Apuldram)	S. J. K. Eames, Esq.	5	0 10	14	..	33.26	160	125	
d Chichester (Kingsham Farm) new g.	W. Lawson, Esq.	5	1 0	35	..	32.02	171	120	
d Chichester (West Street)	Dr. W. Dick	5	1 0	40	..	33.13	154	119	
d Chichester (County Hall)	D. Farr, Esq.	5	1 0	40	..	33.26	167	123	
d Chichester (Oakwood House)	Lt. Col. Du Pre D.S.O.	5	1 0	101	..	35.16	..	131	
d Arundel (West Walberton)	P. A. Bisset, Esq.	5	1 0	80	..	35.53	175	144	
d Funtington House	J. A. Greenwood, Esq.	5	1 0	95	..	35.26	173	140	
d Chichester (Goodwood Gardens)	Duke of Richmond & Gordon	5	1 1	135	..	38.83	171	143	
d Enisworth (Stansted Park)	Earl of Bessborough	5	2 6	140	..	35.23	211	152	
d Enisworth (Watergate House)	Mrs. W. M. Christy	5	1 0	222	..	39.77	189	149	
d West Dean Park	W. A. Mackenzie, Esq.	5	1 0	190	..	41.97	..	151	
d Chilgrove House	E. L. Woods, Esq.	5	1 0	266	35.0	40.06	175	145	
d Compton (Compton House)	Miss K. B. Langdale	5	1 0	263	36.6	41.31	189	148	
2.—ARUN. 285 sq. mi.									
d LITTLEHAMPTON (Met. Station)	Clerk to the U.D.C.	5	1 0	19	..	34.87	181	132	
d Lyminster Vicarage	Rev. Dr. S. P. Duval	5	1 6	20	..	32.88	186	136	
d Arundel (Cross Bush)	Miss M. Orme	5	1 3	120	..	34.61	191	144	
d Patching Farm	Michael Drewitt, Esq.	5	1 0	180	30.8	37.26	180	139	
d Arundel Castle	The Duke of Norfolk	5	1 0	106	..	37.67	176	144	
d Bury (Rover's Cottages)	C. P. Gates, Esq.	5	1 0	70	..	42.63	204	151	
d Harting (Down Place)	R. G. Blackwell, Esq.	5	1 2	401	..	42.18	182	144	

§ Turf wall round gauge.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain- fall.	1939.		
			Height of Rim above Ground.	Ground above Sea Level.	ft.		in.	Days with ·01 in. or more.	Days with ·04 in. or more.
			in.	ft.	in.	ft.	in.		
SUSSEX—(con.).									
2.—ARUN—(con.).									
d Storrington (Greyfriars)	Capt. J. R. Abbey	5	1	0	250	..	42·20	177	146
d Storrington Rectory	Mrs. Faithfull	5	1	1	150	..	38·26	174	140
d Bignor	Major G. B. Hill	5	1	0	175	..	42·91	..	..
d Pulborough (Parham)	Hon. Clive Pearson	5	1	6	98	..	40·94	183	141
d Pulborough (Bignor Park)	Viscountess Mersey	5	1	3	75	..	43·37	180	146
d Pulborough (Nutbourne)	Mrs. Burney Young	5	1	3	100	..	36·37	..	..
d Pulborough (Codmore Hill)	Rev. C. Ash	5	2	0	165	..	36·59	207	151
d Petworth (Byworth)	Major B. J. M. Bebb	5	0	9	130	..	38·73	174	140
d Midhurst (June Lane)	H. R. Amooore, Esq.	5	1	0	135	..	37·60	191	141
d Petworth Park Gardens	Lord Leconfield	5	1	0	182	..	35·64	173	130
d Midhurst (Fairview)	Miss P. Eames	5	1	0	200	..	37·57	192	140
d Rogate (Fyning)	H. W. A. Bodkin, Esq.	5	1	0	230	..	36·55	184	143
d Rogate (Durford Wood)	Mrs. A. M. Kennion	5	0	9	400	..	36·70	..	..
d Rogate (Old Copse)	Miss E. Barton	5	1	0	500	..	36·46	175	144
d Kirdford (Brownings)	B. de F. Osmaston, Esq.	5	1	6	100	..	35·78	184	145
d Kirdford (Hills Green)	L. Baker, Esq.	5	1	0	150	..	31·02	169	128
d Petersfield (Durford Heath)	Miss H. E. Cohen, O.B.E.	5	1	0	450	..	39·97	150	144
d Liss (Clayton Court)	The Head Gardener .....	..	..	..	..	..	41·48	178	154
d Liss (Hill Brow)	F. W. Beckford, Esq.	5	1	0	500	..	40·40	176	153
d Fernhurst (Blackdown House)	Sir E. Philipson-Stow, Rt.	5	0	11	580	..	38·14	191	149
d Horsham (Whites Bridge)	C. G. Atkinson, Esq.	5	1	0	139	..	33·83	183	139
d Lower Beeding (The Warren)	Leicester M. Reed, Esq.	5	0	10	430	..	36·25	180	153
d Horsham (Christ's Hospital)	Major Gabriel Green, M.C.	5	1	0	160	..	30·49	169	133
d Horsham (Tower Hill)	Mrs. C. Marsh	5	1	0	220	..	31·46	195	127
d Horsham (Sewage P.S.)	C. G. Atkinson, Esq.	5	1	0	120	..	34·66	188	136
d Horsham (Wimblehurst)	Miss E. M. Allcard	5	1	0	195	30·0	34·37	193	141
d Rudgwick (Swaynes)	S. D. Secretan, Esq.	5	0	11	121	..	33·43	185	141
d Horsham (Westbrook Hall)	W. E. Sotheby, Esq.	8	1	0	170	..	33·40	189	149
d Rusper (The Nunnery)	Sir Cecil J. B. Hurst, G.C.M.G.	5	1	6	260	..	37·48	190	151
3.—ADUR & C. 237 sq. mi.									
d Peacehaven	Commander W. S. Davenport	5	1	0	119	..	33·37	159	129
d Rottingdean School	Mr. T. A. Sandalls	8	1	0	120	..	34·72	192	126
d Rottingdean (Hillside)	Admiral H. J. L. Clarke, C.B.E.	5	1	0	50	..	35·04	173	132
d Rustington (Bracondale Nurs.)	J. Muir, Esq.	5	0	10	30	..	35·29	147	128
d WORTHING (Beach House Pk.) (+A)	Medical Officer of Health	8	1	0	25	27·5	34·42	171	133
d BRIGHTON (Old Steyne)	Medical Officer of Health	5	1	0	32	28·1	34·54	167	138
d High Salvington (Hayling Rise)	H. R. McCarthy, Esq.	5	1	0	210	..	38·86	176	138
d Hove	Medical Officer of Health	5	1	6	27	..	34·53	171	132
d Portsdown (Chamouix)	E. C. Smith, Esq.	5	1	0	10	..	34·34	160	127
d Hove (Park House)	Guy Michell, Esq.	5	1	0	120	..	38·50	199	152
d Hove (Old Shoreham Rd.)	Chas. Modlen, Esq.	5	0	11	145	..	(40·94)	(187)	(151)
d Brighton (185 Dyke Road)	C. O. Hunt, Esq.	5	0	6	300	..	38·26	192	149
d Lancing College	The Headmaster	5	1	0	120	..	38·54	185	144
d Brighton W.W. (Goldstone Bot.)	A. B. Cathcart, Esq., C.E.	8	1	0	142	..	35·42	181	143
d Brighton W.W. (Lewes Road)	A. B. Cathcart, Esq., C.E.	8	1	0	135	29·9	40·96?	200	151
d Brighton W.W. (Shoreham)	A. B. Cathcart, Esq., C.E.	8	1	8	9	..	37·82	188	148
d Brighton W.W. (Mile Oak)	A. B. Cathcart, Esq., C.E.	8	1	0	166	..	40·21	184	145
d Brighton W.W. (Race Hill Res.)	A. B. Cathcart, Esq., C.E.	8	0	9	467	..	42·60	201	157
d Brighton W.W. (Balsdean Res.)	A. B. Cathcart, Esq., C.E.	5	1	0	399	..	36·29	180	129
d Brighton W.W. (Balsdean P.S.)	A. B. Cathcart, Esq., C.E.	5	1	0	188	..	36·11	180	132
d Falmer (Cold Dean)	R. Shanks, Esq.	5	1	6	90	..	40·31	168	148
d Brighton W.W. (Falmer)	A. B. Cathcart, Esq., C.E.	8	1	0	200	..	42·96	207	157
d Patcham (Vale Avenue)	G. Berry Hamlin, Esq.	5	1	0	205	..	41·10	177	154
d Patcham (30, Vale Avenue)	F. R. Hickley, Esq.	5	1	0	201	..	40·43	178	151
d Patcham (Brighton W.W.)	A. B. Cathcart, Esq., C.E.	5	1	0	205	..	39·43	190	151
d Washington P.S.	Chanctonbury R.D.C.	5	1	0	167	..	39·54	..	..
d Hassocks (Wilmington Lodge)	C. T. Agar, Esq.	5	1	0	200	..	37·20	..	..
d Hassocks (The Croft)	Harold Taylor, Esq., M.A.	5	1	0	200	..	41·17	173	144

§ Gauge possibly over exposed.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Average Rain-fall.	1939.		
			Height of Rim above Ground.	Ground above Sea Level.		Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
SUSSEX—(con.).						in.		
3.—ADUR & C.—(con.).						in.		
d Henfield (Townmead)	Miss H. Dixon Brown	5	1 0	100	..	33·82	195	143
d Hurstpierpoint (Brundall)	R. E. Toombs, Esq.	5	1 0	140	..	34·68	168	134
d Partridge Green (Lyt's Croft)	W. U. P. Morgan, Esq.	5	1 10	25	..	31·65	..	120
d West Grinstead (Partridge Green)	S. R. Wood, Esq.	5	1 0	70	..	34·17	176	135
d West Grinstead (Knepp Castle Gardens)	Capt. W. R. Burrell	5	0 9	50	..	34·59	(161)	(134)
d West Grinstead (Danefold)	Miss T. Gaisford	5	1 0	130	..	32·85	174	125
d Coolham	C. E. Cleeves, Esq.	5	1 0	80	..	34·67	177	136
d Billingshurst (Duncan's Farm)	Miss Edith Beck	5	1 2	130	..	34·33	199	148
d Slinfold (Elmhurst Farm)	Elmhurst Fmg. & Trdg. Co.	5	0 10	200	..	35·25	181	145
4.—OUSE. 224 sq. mi.								
d Seaford (Newlands)	Lt. Com. T. D. Manning, R.N.V.R.	5	1 0	150	..	33·99	155	129
d SEAFORD	The Surveyor	5	1 0	45	..	30·72	159	123
d Newhaven (Poverty Bottom W.W.)	F. B. Lunsden, Esq.	8	1 9	50	..	36·64	194	137
d Lewes (Littledene)	Mr. C. E. Gravett	8	1 6	58	..	38·19	..	..
d Lewes W.W. (Kingston)	J. T. P. Johnston, Esq.	8	1 3	13	..	39·61	198	144
d Barcombe (The Gables)	S. A. Woodhead, Esq.	8	1 0	100	..	(37·72)	..	..
d Framfield (High Cross)	Maj. R. L. Thornton, C.B.E.	5	1 0	200	30·5	36·10	..	..
d Newick (Piltown)	A. C. Jeffery, Esq.	5	2 4	150	..	38·50	..	..
d Uckfield (Lawrence Ho.)	C. G. D. Hoare, Esq., M.A.	5	1 6	125	..	37·80	180	143
d Haywards H. (Abbots Leigh)	C. Hales, Esq., J.P.	5	1 0	250	..	35·58	182	140
d Haywards H. (Paddockhall Rd.)	L. E. Hervey, Esq.	5	1 0	260	..	35·95	190	141
d Maresfield (Budletts)	T. Hobden, Esq.	5	1 0	150	..	38·11	163	137
d Buxted (Strawberry Hall)	C. Rintoul, Esq.	5	1 0	180	30·5	37·70	174	..
d Lindfield (The Observatory)	E. A. W. Madge, Esq.	5	1 0	153	..	36·49	179	143
d Lindfield (The Common)	R. H. Robertson, Esq.	5	1 6	180	..	37·93	187	147
d Uckfield (Fairwarp)	Col. A. E. Barchard	5	0 10	475	33·0	38·71	184	153
d Oldlands Hall	(R) Sir B. Eckstein, Bart.	8	3 0	400	35·7	37·87	179	143
d Horsted Keynes (Holy Well P.S.)	W. H. Ashmole, Esq.	8	1 8	124	..	36·28	166	139
d Ardingly (Lywood House)	Rev. H. J. Scott	5	0 9	240	..	40·38	..	..
d ARDINGLY (Wakehurst Place)	Sir Henry P. Price	8	1 9	437	..	41·00	197	147
d Horsted Keynes (Birchgrove)	Miss G. C. Price-Davies	5	1 0	400	..	39·05	228	149
d Balcombe (Lullings)	Mrs. M. Holland	5	1 0	348	..	42·36	208	160
d Balcombe (Stockcroft)	Dr. R. Newton	5	1 1	341	..	37·91	198	151
d Balcombe (Waterworks)	W. H. Ashmole, Esq.	8	1 0	467	..	37·62	192	156
d Balcombe (Highley Manor)	Mr. B. T. Brooks	8	1 6	420	..	37·84	206	153
d West Hoathly (Stonelands)	J. Godwin King, Esq.	5	1 0	450	..	40·47	175	142
d Worth Priory	Miss C. Taylor	5	1 0	500	..	37·16	187	142
5.—CUCKMERE & C. 189 sq. mi.								
d BEACHY HEAD (C. Guard Stn.)	The Chief Officer (M.O.)	8	1 0	502	..	33·91	174	131
d EASTBOURNE (Wilmington Sq.) (+A)	Medical Officer of Health	5	1 0	35	30·7	34·70	185	136
d Eastbourne (Arundel Road)	Miss G. J. Woodd	8	1 6	86	..	38·76	195	137
d Eastbourne (King's Avenue)	Miss D. Wilkinson	5	1 0	120	..	40·05	184	138
d Friston (Water Tower)	Eastbourne W.W.	5	1 0	389	..	36·03	180	141
d Friston	Eastbourne W.W.	8	1 0	104	..	35·99	183	142
d Jevington	Eastbourne W.W.	8	1 0	274	..	37·38	..	153
d Litlington	Eastbourne W.W.	8	1 0	19	..	37·38	165	136
d Willington Sewage Farm	Hailsham R.D.C.	5	1 0	24	..	39·47	174	141
d Alfriston (White Lodge)	D. Morphew, Esq.	5	1 0	70	..	37·00	193	148
d Pevensey Pumping Station	Hailsham R.D.C.	5	1 0	12	..	33·47	161	132
d Pevensey Bay Pumping Station	Hailsham R.D.C.	5	1 0	7	..	32·95	172	135
d BEXHILL (EGERTON PARK)	The Boro' Council (H. J. Sargent)	8	1 2	12	26·3	31·87	171	128
d HASTINGS (White Rock)	The Town Clerk	5	1 0	149	..	36·37	183	133
d St. Leonards (Filsham W.W.)	S. Little, Esq., C.E.	5	1 0	37	27·3	32·83	171	130
d Hailsham (North Street)	R. Matthews, Esq.	5	1 3	105	30·0	35·94	206	135
d Hailsham (Magham Down)	E. M. Bear, Esq.	5	1 0	90	28·4	33·38	180	131
d Hellingly (East Sx. Ment. Hos.)	The Medical Superintendent	5	0 7	140	..	35·57	185	135
d Hazards Green (Pumping Station)	Bexhill W.W.	5	1 7	74	26·0	31·53	181	129
d Hastings (Newgate)	S. Little, Esq., C.E.	8	1 0	243	27·5	35·80	174	133
d Hastings (Clive Vale)	A. E. Moon, Esq., F.R.Met.S.	5	1 0	328	28·4	37·16	205	148

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

		Rain-gauge				1939.			
STATIONS.	AUTHORITIES.	Diam. in.	Height of		Average Rain-fall. in.	Rain-fall. in.	Days with		
			Rim above Ground.	Ground above Sea Level.			·01 in. or more.	·04 in. or more.	
SUSSEX—(con.).									
5.—CUCKMERE & C.—(con.).									
d Hastings (Halton Reservoir)	S. Little, Esq., C.E.	5	1 0	294	28·6	35·25	178	134	
d Hollington (High Beech Gdns.)	The Head Gardener	5	0 8	400	..	40·37	199	156	
d Battle (Forewood W.W.)	S. Little, Esq., C.E.	5	1 0	50	28·0	36·43	175	135	
d Cowbeach (Pumping Station)	Bexhill W.W.	5	1 7	100	..	32·43	165	131	
d Bodle St. (Bucksteep Manor) (+ A)	Major G. P. Richardson	6	1 0	235	..	34·27	187	139	
d Horam (Coxlow)	Miss P. C. Harrison	5	1 0	260	29·7	35·03	193	139	
d Warbleton (Church Farm)	Mrs. D. Hook	5	1 0	300	..	37·17	165	106	
d Heathfield (Hailsham Road)	Heathfield Growers	5	1 0	350	..	36·91	165	128	
6.—ROTHER. 194 sq. mi.									
d Hastings (Fairlight Reservoir)	S. Little, Esq., C.E.	5	1 0	515	28·2	35·62	179	134	
d Hastings (Fairlight, Machico)	P. G. Lock, Esq., M.A., M.R.C.S.	5	0 8	100	..	34·86	195	144	
d Battle (The White Cottage)	Rev. E. J. Morgan	5	1 0	320	32·3	39·93	207	154	
d Brede Pumping Station	S. Little, Esq., C.E.	8	1 0	26	28·3	34·18	164	130	
d Udimore (The Wick)	Major R. P. Mair	8	1 0	92	27·1	37·15	177	140	
d Rye (Broomhill Farm)	Messrs. Done, Hunter & Co.	5	1 0	..	..	(34·56)	(167)	(132)
d Rye (Camber, Home Farm)	Mr. J. N. Baker	5	0 8	15	..	35·72	191	141	
d Rye (Point Lodge)	Rother & Jury's Gvt. Catchment Board	5	1 0	110	..	35·44	176	144	
d Rye (The Point)	W. Gay, Esq.	5	1 0	120	..	38·22	183	155	
d Brightling Park	T. P. Tew, Esq.	5	1 0	545	34·1	41·44	211	152	
d Brightling (Bleak House)	T. W. C. Terry, Esq.	5	1 0	550	..	41·22	205	154	
d Heathfield (The White Cottage)	J. F. Leigh Clare, Esq.	5	1 0	500	..	35·96?	186	143	
d Robertsbridge (Davell Hall San.)	Medical Superintendent	5	3 0	100	29·1	36·19	..	..
d Peasmarch (Woodside)	A. W. Rickards, Esq.	5	0 8	100	30·1	38·71	190	141	
d Rye (Iden)	Admiral Sir Aubrey Smith	5	1 0	150	..	34·61	186	133	
d Hawkhurst (Bodiam)	G. F. E. Storey, Esq.	5	1 0	71	..	(35·70)	186	134	
d Northiam (Great Dixter)	Mrs. Lloyd	5	1 0	209	29·5	35·76	170	132	
d Burwash (Crowhurst Bridge)	Heathfield Dist. Water Co.	5	0 11	97	..	36·21	178	137	
d Mayfield (Cranesden)	A. B. Morgan, Esq.	5	1 0	325	..	40·02	177	143	
d Mayfield (Berkeley Cottage)	Lt.-Col. A. H. Wolley-Dodd	5	1 0	450	..	38·04	172	139	
d Ticehurst (Stonegate)	W. J. Wheeler, Esq.	5	1 0	230	32·6	37·21	211	144	
d Tidebrook (Downgate)	Mrs. E. P. Gatty	5	1 6	300	31·9	36·64	156	140	
7.—MEDWAY. 117 sq. mi.									
d Rotherfield Hall	Sir Charles Ellis	5	1 2	420	..	40·44	189	157	
d Rotherfield (Horsegrove Fm.)	F. W. Shaw, Esq.	5	1 0	528	..	42·58	189	148	
d Crowborough (Jarvis Brook)	Crowborough Water Co.	5	1 0	325	..	42·46	189	148	
d Crowborough (Harecombe)	W. Morrison, Esq.	5	1 0	680	..	42·65	200	149	
d Crowborough (Monkstown)	R. W. Hunt, Esq.	5	1 0	600	..	41·82	211	148	
d Crowborough (The Beacon)	A. R. Allcroft, Esq.	5	1 0	798	..	43·58	..	162	
d Tunbridge Wells (Cousley Wd.)	A. Wilkin, Esq.	5	1 0	415	..	35·07	190	144	
d Forest Row (Hindleap Lodge)	Mr. G. Warner	5	1 7	637	..	40·29	180	145	
d Hartfield (Beechcroft)	Miss E. A. Foyster	5	1 0	370	..	41·68	215	148	
d West Hoathley (Duckyls)	Dr. F. C. Moore	7	0 6	595	..	41·44	202	154	
d Forest Row (Park Road)	J. R. Coulthard, Esq.	5	2 6	300	..	39·90	..	..
d Turners Hill (The Old Manse)	Miss R. M. Ravenshaw	8	1 6	500	..	39·27	185	145	
d Frant (Henley Lodge)	Col. Benskin	5	1 0	440	32·3	40·70	178	142	
d Frant (Eridge Castle)	Mr. A. Wilson	5	1 0	400	..	40·05	181	155	
d Frant (Highfield)	H. S. Eeles, Esq.	5	1 0	413	..	38·33	..	125	
d Groombridge (Crossways)	Capt. Darcy Gray	5	1 0	250	..	36·99	196	139	
d Hartfield (Bolebroke)	P. R. Mann, Esq.	5	1 0	175	..	35·22	171	142	
d Crawley Down (Grange Hill)	Miss L. T. A. Buckley	5	0 10	450	..	39·72	204	152	
8.—THAMES—Mole. 27 sq. mi.									
d Worth (Worth Lodge)	Miss M. C. Nix	5	1 0	340	31·9	37·36	214	144	
d Crawley (Orleton Lodge)	B. Longley, Esq.	8	1 0	260	..	35·42	..	139	
9.—THAMES—Wey. 10 sq. mi.									
d Milland House	The late S. Thompson, Esq.	5	1 0	425	..	35·15	173	142	
d Liphook (Ripsley)	W. D. Bosanquet, Esq.	5	1 0	400	..	38·35	183	155	

§ Gauge possibly over exposed.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Average Rain-fall.	1939.			
			Rim above Ground.	Height of Ground above Sea Level.		Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.	
HAMPSHIRE. (Area, 1,627 sq. mi.)									
1.—ISLE OF WIGHT. 150 sq. ml.									
D St. CATHERINE'S POINT (C.G. STN.)	Station Officer (M.O.)	8	0	8	150	27.8	36.01	165	131
D VENTNOR (ROYAL NATIONAL Hos.)	Medical Superintendent	5	1	0	60	28.9	38.88	194	143
D VENTNOR (Cemetery)	The Surveyor	5	1	0	445	29.5	39.23	188	143
D Shanklin (Pomona Road)	The Town Surveyor	5	1	0	199	32.7	46.69	167	140
D Brighstone (Pitt Place)	A. A. H. Wykeham, Esq.	5	1	7	200	..	36.42	167	128
D SANDOWN (Sandham Gds.)	The Town Clerk	8	1	0	13	30.9	36.11	186	131
D The Needles (Golf Club)	Mrs. Newnham	5	1	0	350	27.5	35.67	184	133
D TOTLAND BAY (Aston House)	Hotel & Pier Co. (J. Dover)	8	1	0	140	28.5	34.23	165	126
D Freshwater (Pumping Station)	J. Dover, Esq.	8	1	0	5	28.8	35.39	171	126
D NEWPORT (The Mall)	Miss Morey	5	1	0	48	32.9	41.74	190	142
D RYDE (Esplanade Gardens)	Borough Engineer	5	1	0	13	29.0	34.95	170	128
D Wootton (Bridge House)	Miss A. Brodie	8	1	6	12	..	40.28	173	130
D Wootton (Oak Lawn)	R. W. Hutton, Esq.	5	0	9	80	31.8	44.30	177	138
D Osborne	The House Governor	5	1	0	127	..	40.00	196	143
2.—STOUR. 37 sq. ml.									
D Bournemouth (East Cliff)	Miss M. Penrose, B.Sc.	8	1	0	120	..	36.42	181	132
D BOURNEMOUTH (Vale View)	The Corp. A.C. Marsh, Esq. F.R.Met.S.	5	1	0	139	31.5	38.42	172	130
D Bournemouth (East Avenue)	J. E. Hewitt, Esq.	5	1	0	143	28.6	38.59	173	133
D Bournemouth (Talbot Woods)	H. Constantine, Esq.	5	1	0	110	29.1	39.34	179	132
D Christchurch (Air Compressing Stn.)	Borough Surveyor	5	1	0	4	26.7	40.16	..	132
D Christchurch (Hurn Court)	The Earl of Malnesbury	8	1	3	19	32.2	39.23	175	140
D Ringwood (Athol Lodge)	Mrs. H. C. Robinson	5	1	0	60	..	34.47	186	131
3.—EAST AVON & C. 114 sq. ml.									
D Christchurch (Harrow Lodge)	R. C. Bacon, Esq.	8	1	0	135	31.3	37.63	179	140
D Ringwood (Bisterne)	Major J. D. Mills	8	1	2	45	30.9	38.82	169	135
D Ringwood (Crow Hill)	Mrs. H. F. Rawstorne	5	1	0	250	30.2	37.90	176	128
D Ringwood (Hangersley)	Col. E. G. St. Aubyn, D.S.O.	5	0	9	200	..	39.39	181	137
D Ringwood (Grey Friars)	R. W. Christy, Esq.	5	1	0	50	28.4	36.54	..	130
D Ringwood (Linwood)	Dr. F. H. Haines	5	0	9	138	32.0	41.36	200	142
D Fordingbridge (Dockens)	E. W. Poore, Esq.	8	1	0	140	31.1	39.38	166	134
D Fordingbridge (Furze Hill)	G. G. Smith, Esq.	5	0	5	150	..	41.64	177	147
D Fordingbridge (Oaklands)	S. B. Rake, Esq.	8	1	0	135	31.7	42.06	175	139
D Fordingbridge (Brook Heath)	Major E. FitzHerbert Wright	5	1	0	200	..	42.84	185	141
4.—TEST & SOLENT. 551 sq. ml.									
D Milford-on-Sea (Farlights)	Mrs. F. W. Brown	5	1	0	50	..	34.25	175	132
D Lymington (The Salterns)	P. A. Ouvre, Esq.	5	1	0	0	28.9	32.94	166	125
D Lymington (Dolawarr House)	Mrs. D. Hole	5	0	11	18	29.4	34.13	..	..
D New Milton (Manor Rd.)	A. J. Sturmer, Esq.	5	0	9	140	30.7	36.42	173	137
D Sway (Gordleton)	W. F. Wright, Esq.	5	1	6	102	29.7	35.60	172	127
D Lymington	The Borough Engineer	5	1	0	57	..	36.87	158	131
D Boldre (Battramsley Close)	Dr. H. A. Des Voeux	5	1	1	119	31.8	37.81	155	131
D Exbury	L. N. de Rothschild, Esq.	5	1	0	40	29.2	36.04	165	129
D Brockenhurst (Weirs End)	Col. C. Mansel Jones, V.C.	5	1	0	45	32.0	37.97	163	132
D CALSHOT (Aerodrome)	(+A) Meteorological Office	8	1	0	8	25.5	30.39	167	123
D Burley (Sandys)	G. Mason, Esq.	5	1	0	150	31.8	37.99	178	137
D Hythe (Buttsash Lane)	G. H. Baker, Esq.	5	1	0	130	30.6	36.81	167	119
D Fawley (Cadland Cottage)	Major Drummond	5	1	0	100	..	33.17	159	139
D Minstead (Furzey)	B. H. Dalrymple, Esq.	5	1	3	280	..	41.82	167	138
D Cadnam (Canterton Manor)	Miss Jeffreys	5	1	0	125	31.8	39.35	177	136
D Bartley (The Nurseries)	G. H. Dalrymple, Esq.	5	0	8	100	32.0	39.86	160	135
D SOUTHAMPTON (East Park)	Director Ordnance Survey	5	1	0	64	30.9	37.09	186	136
D Totton (Tatchbury Mt. Colony)	The Superintendent	5	1	0	170	..	36.49	..	121
D Southampton Common Res.	J. Hawksley, Esq.	5	1	0	193	..	34.01	..	..
D Romsey (Embley Gardens)	J. J. Croshfield, Esq.	5	1	0	130	30.3	38.37	177	130
D Romsey (Harefield)	Lt. Col. W. J. Langford	5	1	0	120	30.1	35.94	173	140
D Romsey (Timsbury P.S.)	J. Hawksley, Esq.	5	1	0	92	29.6	37.17	171	137
D Hursley (Merdon Manor)	Capt. G. J. R. Cooper	5	1	0	360	..	36.34	170	137
D Kings Somborne (Rookley Manor)	Adml. The Hon. Sir Herbert Brand	5	1	0	180	..	35.33	166	120
D Sparsholt (Garstons)	R. Simpson, Esq.	5	1	3	350	..	37.00	168	137

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Average Rain- fall.	1939.		
			Height of Rim above Ground.	Ground above Sea Level.		Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
HAMPSHIRE—(con.).						in.		
4.—TEST & SOLENT—(con.).								
d Upper Somborne.....	Charles Alleway, Esq.....	8	1 0	250	30·7	35·25	169	132
d Stockbridge (Houghton Lodge).....	Mr. G. Morris.....	5	1 0	112	30·6	35·66	159	132
d Crawley (Chilbolton Down).....	G. W. S. Beale, Esq.....	8	1 2	350	31·0	35·65	174	137
d Stockbridge (LECKFORD Estate).....	The Managing Director.....	5	1 0	385	..	36·57	185	130
d Wonston (Upton House).....	H. J. Gardiner, Esq.....	5	1 0	229	30·0	33·98	169	130
d Abbots Ann (The Old Manor).....	Miss E. E. de Paravicini.....	5	0 9	225	..	33·97	164	126
d Andover (Sewage Works).....	W. C. Jerome, Esq.....	8	1 6	182	28·9	32·27	164	128
d Whitchurch (Laverstoke Mills).....	Dr. J. Knaggs, A.R.C.S., F.I.C.	8	1 10	250	..	34·81	..	..
d Overton (Berrydown Court).....	T. C. Mann, Esq.....	5	1 0	380	..	39·46	190	151
d St. Mary Bourne (Bournside).....	Sir Charles V. Boys, F.R.S.	5	1 0	300	29·4	36·28	169	136
d St. Mary Bourne (Spring Hill).....	Mrs. H. A. Boys.....	5	1 4	300	28·7	35·26	161	136
d Worting (Manydown Park).....	Col. A. S. Bates, D.S.O.....	5	1 0	415	..	35·03	180	139
d Hurstbourne Tarrant (Rookery).....	R. E. C. Burder, Esq.....	5	1 0	331	31·8	40·04	190	148
d Whitchurch (Dunley Manor).....	Sir Alfred Herbert.....	5	1 0	500	30·8	35·14	..	127
d Linkenholt Manor.....	R. Dudley, Esq.....	5	1 0	700	..	39·15	173	146
5.—ITCHEN & SPITHEAD. 422 sq. ml.								
d Alverstoke (Monckton House).....	Major J. Blake.....	5	1 3	15	28·6	31·66	181	128
d Alverstoke (Glencoe).....	J. G. Thomas, Esq.....	5	1 3	20	28·0	30·27	..	..
d South Hayling (Laridge).....	D. S. Bird, Esq.....	5	0 10	10	..	28·53	159	125
d Gosport.....	Borough Surveyor.....	8	0 9	30	28·8	31·20	169	120
d Portsmouth (Victoria Park).....	Medical Officer of Health.....	5	1 0	15	27·7	29·71	158	114
d Portsmouth (Eastney).....	(+A) The City Engineer.....	8	1 0	12	..	26·21	164	114
d South Hayling (C. of E. School).....	H. J. Earney, Esq.....	5	1 6	10	26·1	29·13	176	123
d Lee-on-Solent (Edinburgh Ho. Sch.)	Trevor J. Tatham, Esq.....	5	1 0	15	27·5	35·05	180	130
d Hook-cum-Warsash.....	E. M. Biggs, Esq.....	5	1 0	50	28·6	33·52	..	132
d Farlington (Pump. Stn.).....	Portsmouth Water Co.....	5	1 0	78	28·5	32·66	181	121
d Farlington (Filter Works).....	Portsmouth Water Co.....	5	1 0	157	27·9	31·34	177	117
d Havant (Portsmouth W.W.).....	Portsmouth Water Co.....	5	1 0	25	27·2	31·58	170	127
d Fareham (Fareham House).....	W. S. Stevenson, Esq., M.D..	5	1 6	30	29·2	31·91	141	116
d Fareham (West Street).....	N. E. Neville, Esq.....	5	1 0	41	..	34·58	177	126
d Southwick (Pinsley Lodge).....	Portsmouth Water Co.....	5	1 0	160	29·6	34·59	186	134
d Itchen Sewage Works.....	S. G. Stanton, Esq., C.E.....	5	5 8	13	..	34·35	154	126
d Idsworth (Water Tower).....	Portsmouth Water Co.....	5	1 0	202	31·7	35·61	..	..
d Southwick (Upper Beckford Fm.).....	Portsmouth Water Co.....	5	1 0	112	30·8	36·22	..	..
d Wickham (The Lower House).....	Legh S. Powell, Esq.....	5	1 0	100	..	35·08	158	132
d Wickham (The Croft).....	Miss Joy Stansfeld.....	5	0 8	85	..	36·53	182	142
d Southampton (Portwood).....	S. G. Stanton, Esq., C.E.....	5	1 0	10	..	31·73	153	129
d Botley (Fruit Research Stn.).....	G. E. Gibson, Esq.....	5	1 0	50	..	34·14	183	144
d Botley (Uplands Farm).....	Wilmot H. Yates, Esq.....	5	1 0	60	..	34·73	179	134
d Curdridge (Kitnocks House).....	Major C. F. Randolph.....	5	1 0	185	30·7	36·04	186	140
d Catherington Reservoir.....	Portsmouth Water Co.....	5	1 0	428	34·2	38·74	..	..
d Swanmore (Holywell House).....	Mrs. M. Portal.....	5	1 0	175	32·2	36·18	187	151
d Hambledon (Whitedale).....	Portsmouth Water Co.....	5	1 0	223	34·0	38·38	189	149
d Soberton (Mislingford).....	E. T. Hildred, Esq., C.E.....	5	1 0	136	31·7	35·35	178	131
d West End (Oaklands).....	Mrs. Pearson.....	5	1 0	45	30·9	36·09	170	141
d Bishops Waltham (Park Ho.).....	A. F. Hardy, Esq.....	5	1 3	170	30·2	34·84	199	133
d Droxford (Uplands).....	Miss C. E. King.....	5	1 0	279	34·2	35·93	185	147
d Droxford (Fairfield Ho.).....	E. S. McEuen, Esq.....	5	1 0	254	..	35·72	180	143
d Petersfield (Ditcham Pk.).....	Portsmouth Water Co.....	8	1 0	555	..	38·53	182	147
d Otterbourne (Kingfisher Lo.).....	Major T. T. Phelps.....	5	0 10	80	..	34·58	157	132
d Otterbourne W.W.	J. Hawksley, Esq.....	5	1 0	113	30·5	35·79	184	138
d Twyford (Pumping Station).....	J. Hawksley, Esq.....	5	1 0	139	31·3	34·91	168	129
d Twyford (Church Farm Ho.).....	Mrs. M. C. Conner.....	8	1 0	180	..	33·61	..	125
d East Meon (Burnside).....	H. A. Gilmour, Esq.....	5	1 5	350	34·5	38·09	..	..
d Hursley Park.....	Sir G. A. Cooper, Bart.....	8	1 0	210	..	36·92	158	140
d Compton (Cross Ash).....	J. Durst, Esq.....	5	1 1	150	30·4	34·99	179	132
d Privett (The Vicarage).....	Rev. F. P. Synge.....	5	2 8	630	36·0	41·97	212	154
d Winchester (St. Cross).....	Maj.-Gen. Sir E. Broadbent, K.C.B.	5	1 0	135	30·7	33·53	173	130

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

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				Height of	Average		Rain-	Days	Days
				Rim above	Ground	Rain-	fall.	with	with
				Ground.	above	fall.		or	or
				Sea Level.			more.	more.	
HAMPSHIRE—(con.).			in.	ft. in.	ft.	in.	in.		
5.—ITCHEN & SPITHEAD—(con.).									
d Winchester (East Hill)	Mrs. E. Wilde	5	1 0	256	28.3	32.33	198	147	
d Ovington Rectory	Rev. H. L. Atkins	5	1 0	221	33.2	38.63	173	141	
d Bishop's Sutton	H. C. Mills, Esq.	5	1 0	260	..	34.05	183	139	
d Winchester (King's Worthy)	Miss R. P. Woodard	5	1 0	304	..	36.73	161	134	
d Itchen Abbas (Chilland)	W. J. Arnold, Esq.	5	1 3	200	30.5	33.54	172	132	
d Itchen Abbas (Itchen Lodge)	Lt.-Col. R. V. Savile	8	1 0	200	..	33.34	185	135	
6.—ARUN. 82 sq. mi.									
d Petersfield (Weston)	Capt. P. W. Seward	5	1 0	330	37.6	41.90	173	152	
d Petersfield (Monks Barn)	F. G. Padwick, Esq.	5	1 0	300	35.8	39.97	
d Petersfield (Collyers)	Fraser Parkes, Esq.	5	0 9	350	..	38.50	194	155	
d Liss (Kippences)	Rev. W. L. de B. Thorold	5	0 9	250	33.3	39.60	
d Liss (Hawley Hurst)	T. Clive Davies, Esq.	5	0 11	422	37.7	41.86	214	160	
d Liss (The Garth)	Rev. T. H. Fitzpatrick	5	1 3	230	..	37.41	
d Greatham (Manor House)	Miss I. L. Coryton	5	1 0	260	32.5	38.45	176	158	
d Greatham (Le Court)	Brig.-Gen. H. L. Knight, C.M.G., D.S.O.	5	1 0	350	..	39.68	195	155	
7.—THAMES—Wey. 92 sq. mi.									
d Petersfield (Stoner Hill)	(+A) C. J. P. Cave, Esq., J.P.	5	0 9	748	38.1	43.13	198	154	
d East Tisted (Rotherfield Park)	Capt. J. B. Scott	5	1 3	590	37.1	40.47	199	151	
d Newton Valence Vicarage	Rev. A. C. MacLachlan	5	1 0	586	33.1	40.15	222	155	
d Newton Valence (Shotters)	Major W. H. Chawner	5	1 2	600	33.2	39.52	194	145	
d Newton Valence Place	Rear-Adm. E. Jervoise, C.B.E.	5	1 3	615	33.3	41.26	
d Selborne (The Wakes)	Mrs. Bibby	5	1 0	400	35.3	42.68	207	158	
d Alton (Treloar Cripples' Hosp.)	The Secretary	5	1 6	350	..	35.93	180	150	
d Kingsley (Fruit Farm)	A. E. Jones, Esq.	5	1 0	300	..	32.00	174	136	
d Alton (Wyck)	H. F. Eames, Esq.	5	1 2	450	..	34.59	174	141	
d Alton (Shalden Cottage)	Miss G. M. Wood	5	1 0	630	..	35.62	205	151	
d Alice Holt Forest	Forestry Commission	8	1 0	264	30.0	35.65	..	137	
d Alton (Froyle Place)	Rt. Hon. the Earl of Bective	5	1 0	410	..	34.10	164	134	
d Bentley (The Welches)	J. Howarth Massey, Esq.	5	1 0	300	..	31.83	
8.—THAMES—Loddon. 164 sq. mi.									
w Swainshill	Mid-Wessex Water Co.	5	1 0	616	..	36.47	
d Long Sutton	Lord Wandsworth College	5	1 0	479	28.2	34.19	176	136	
d South Warnborough (Vine Cot.)	Mrs. Gawne	5	1 0	416	27.8	31.93	..	123	
d Upton Grey (Hoddington Ho.)	Col. The Lord Basing	5	1 0	378	27.7	32.02	170	131	
d Basingstoke (Upton Grey Ho.)	G. W. Hayes, Esq.	5	1 0	400	27.7	32.83	165	109	
d Aldershot Waterworks	Mid-S. Utility Co.	5	1 0	251	27.0	30.38	181	134	
d Aldershot Reservoirs	Mid-S. Utility Co.	5	0 7	393	27.2	30.99	189	143	
d Odiham (Mill House)	W. M. Dean, Esq.	5	1 0	241	26.0	29.91	153	125	
d Odiham (Sewage Works)	Hartley Wintney R.D.C.	5	1 0	253	26.5	30.43	173	131	
d Greywell (Pumping Station)	Mid Wessex Water Co.	5	1 0	263	26.3	31.18	179	138	
d Hook (Nately Hatch)	R. C. Mallock, Esq.	5	1 0	328	26.7	32.71	187	123	
d Fleet (Home Wood)	Mrs. L. M. Kent	5	1 0	300	..	29.11	162	129	
d Sherborne St. John	A. G. Willis, Esq.	5	2 2	260	29.0	32.36	173	135	
d Rotherwick (Tynley Hall)	Major Sir H. R. Cavzer, Bt.	5	1 0	250	25.8	30.33	154	128	
d Hartley Wintney (Warren Heath)	Hartley Wintney R.D.C.	5	1 0	227	25.8	29.58	..	130	
d Hartley Wintney (S.D. Works)	Hartley Wintney R.D.C.	5	1 0	180	..	30.70	169	137	
d SOUTH FARNBOROUGH (R.A.E.) (+A)	Meteorological Office	8	1 0	226	26.1	28.44	177	124	
d Winchfield (Elvetham Park)	Mr T. J. Brownjohn	8	1 0	217	26.8	32.57	183	141	
d Heckfield (Park Corner)	Miss V. Martineau	5	1 2	257	24.6	28.39	176	138	
9.—THAMES—Kennet. 65 sq. mi.									
d Kingsclere (Isle Hill)	C. E. Harvard, Esq.	5	1 6	500	..	37.99	183	147	
d Highclere (Black Ford)	W. A. Turner, Esq.	5	1 0	439	31.9	38.32	183	142	
d Kingsclere (N. Sydmonton Ho.)	Lt. Col. Kingsmill, D.S.O., M.C.	5	1 0	330	..	32.17	..	131	
d Highclere (Adbury Pk. Gdns.)	The Head Gardener	5	1 0	350	..	34.92	
d Silchester House	T. M. Hartley, Esq.	5	1 0	325	26.0	30.31	171	132	

§ Exposure unorthodox.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Average Rain-fall.	1939.		
			Height of Rim above Ground.	Ground above Sea Level.		Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
BERKSHIRE. (Area, 722 sq. mi.).			in.	ft. in.	ft.	in.		
1.—TEST. 2 sq. mi.								
2.—THAMES—Bourne. 15 sq. mi.								
d Sunninghill (Blacknest P.S.)	E. J. Toy, Esq.	8	1 0	130	26.0	29.39	186	125
d Sunninghill (Little Paddocks)	Col. J. N. Horlick, M.C.	5	1 0	200	27.0	31.22	184	130
3.—THAMES—Loddon & c. 162 sq. mi.								
d Sandhurst (Eagle House)	G. E. Straker, Esq.	5	1 0	280	..	29.68	171	145
d Wellington College	R. Moss	5	1 0	290	26.4	28.65	180	138
d Beech Hill (Waveney)	Miss D. Page-Roberts	5	1 0	200	..	28.41	174	132
d Broadmoor Asylum	The Medical Superintendent.	5	1 0	300	27.6	29.70	165	140
d Wokingham (Bucks Copse)	Borough Surveyor	5	1 0	174	24.7	24.67	159	120
d Wokingham (Bear Wood Gdns.)	M. Goddard, Esq.	8	1 0	200	..	28.00	150	130
d Wokingham (Sindlesham Ho.)	Mr. W. Balcombe	5	4 6	200	25.4	26.90	174	124
d Wokingham (Winnersh Nursery)	W. Bates, Esq.	5	1 0	180	..	28.32	192	127
d Winkfield (Ryemead)	Mrs. Aubrey Elliott	5	0 10	220	25.8	27.68	197	130
d Winkfield (Maidens Green)	R. Crosbie-Hill, Esq.	5	1 0	210	26.0	27.43	200	124
d READING (SEED TRIAL GROUNDS)	A. F. Sutton, Esq.	5	1 0	141	..	28.97	171	122
d Windsor (Forest Park Gdns.)	G. W. Briars, Esq.	5	0 10	150	..	30.61	185	140
d Shurlock Row (Crossways)	John P. Lee, Esq.	5	0 9	149	..	28.60	170	128
d Windsor (Royal Gardens)	Mr. G. Simpson	5	1 0	88	24.9	28.44	199	128
d Twyford (Hare Hatch)	Messrs. J. Waterer, Sons & Crisp, Ltd	5	1 0	180	..	28.75	169	124
d Maidenhead (Shopperhangers Rd.)	G. Stow, Esq.	5	1 6	180	..	26.36	173	124
d Maidenhead (The New Hall)	Mrs. Torkington	5	1 0	130	27.2	28.59	162	134
d Pinkney's Green	R. P. Lord, Esq.	5	0 10	240	26.7	30.01	..	..
d Maidenhead (Boulter's Lock)	The Thames Conservancy	5	1 6	82	..	27.86	186	126
d Remenham Hill (Wedmore)	Lt.-Col. C. D. Burnell, D.S.O.	5	1 0	300	27.5	30.45	164	130
d Hambleden Lock	Mr. T. E. Wise	5	2 0	107	27.0	32.86	195	132
d Hurley House	H. M. Farrer, Esq.	5	1 0	105	..	28.42	..	..
4.—THAMES—Kennet & c. 224 sq. mi.								
d Inkpen (Manor Farm)	A. A. Lawrence, Esq.	5	1 5	500	31.6	37.43	183	141
d Inkpen (New Mill)	G. C. Goodhart, Esq.	5	1 0	475	32.5	41.02	187	141
d Mortimer (Wokefield Park)	The Head Gardener	5	1 0	220	25.2	30.15	186	130
d Mortimer (Oakfield)	Rev. G. G. Skipwith	6	1 0	200	26.1	30.91	183	129
d Brimpton (Little Park)	Lady Delia Peel	5	0 8	340	..	34.31	170	138
d Brimpton (Stonehouse)	F. Haddon, Esq.	5	0 7	350	..	31.68	160	132
d Kintbury (Wallingtons)	A. S. Gladstone, Esq.	5	1 0	350	..	35.51	..	..
d Newbury (Wash Hill)	C. F. B. Marshall, Esq.	5	1 0	385	31.4	32.31	183	128
d Newbury (Wash Hill Ho.)	E. P. Plenty, Esq.	5	1 6	400	29.1	33.73	170	127
d Hungerford Park	Mrs. A. G. Turner	5	0 10	400	..	31.24	163	142
d Beenham (Beenham Lodge)	Sir Edward Freeling	5	1 0	320	..	30.53	179	145
d SHINFIELD (University Col. Farm)	Prof. J. A. Crowther	5	1 0	200	..	28.97	161	132
d Woolhampton (Douai School)	Rev. J. O. Dorman, B.A.	5	1 1	370	..	28.11	182	124
d Bucklebury Place	Mr. J. E. Henshall	5	1 0	409	..	26.90	172	131
d Newbury (Arlington Manor Gdns.)	Col. J. A. Fairhurst	5	1 0	350	..	31.67	167	139
d Reading W.W. (Bath Road)	O. Kean, Esq., C.E.	5	1 0	218	24.4	28.91	200	140
d Reading (Tilehurst)	Miss M. W. Latham	5	1 6	200	25.6	33.68	189	136
d Reading (Forbury Gardens)	A. S. Parsons, Esq., C.E.	5	1 5	143	24.9	29.15	173	130
d READING (University College)	Prof. J. A. Crowther	5	1 0	152	..	30.33	194	130
d Reading (Caversham Lock)	The Thames Conservancy	5	1 0	123	..	30.10	150	128
d Caversham (Ranmore)	J. G. Sargent, Esq.	5	1 6	200	25.0	30.91	170	129
d Chieveley (Priors Court)	G. E. H. Palmer, Esq.	5	1 0	403	..	31.39	165	134
d Peasemore House	Mrs. E. Brown	5	1 6	490	..	30.43	..	118

DIVISION II—SOUTH EASTERN COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average Rain-fall.	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.	
			Rim above Ground.	Ground above Sea Level.					
BERKSHIRE—(con.).									
5.—THAMES—Ock & c. 319 sq. mi.									
d Stanford Dingley (Dingley Hill) . . .	C. O. Lowsley, Esq.	5	in.	ft. in.	ft.	in.	in.		
d Reading (Englefield)	J. H. Benyon, Esq.	5							
d Bradfield Pumping Station	Mid-Wessex Water Co.	5							
d Pangbourne (Woodberry)	W. H. Keep, Esq.	5							
d Moulsoford (The Old Vicarage)	E. R. Abbott, Esq.	8							
d Upton (Manor House)	Miss C. S. Fry	5							
d Upton (Stocks)	J. H. Slade, Esq.	5							
d Wantage (Lockinge Estate Office) . .	E. Lousley, Esq.	5							
d Uffington (Woolstone Lodge)	Miss A. E. Butler	5							
d Wallingford (Winterbrook)	Frank K. Weedon, Esq.	5							
d Wallingford Castle	Major Hedges	5							
d Wallingford (Style Acre)	A. L. Morphew, Esq.	5							
d Didcot (Sewage Works)	Wallingford R.D.C.	5							
d Appleford (Wigbalds)	A. Tame, Esq.	5							
d Faringdon (Shellingford Ho.)	Mrs. K. Marshall	5							
d Long Wittenham (The Manor Ho.) . . .	R. P. Sing, Esq.	12							
d Abingdon (Sewage Works)	The Borough Surveyor	8							
d Abingdon (The Firs)	Miss G. G. Challenor	5							
d Abingdon (Christ's Hospital)	W. T. Morland, Esq.	5							
d Abingdon (Frilford Heath)	R. W. Langford Esq.	5							
d Abingdon (Wootton Waterworks) . . .	Borough Surveyor	5							
d Boars Hill (Blackthorn)	A. C. Pilkington, Esq.	5							
d Oxford (Kennington Nursery)	Forestry Commission	5							
d Eynsham (Swinford P.S.)	A. Carstairs, Esq., C.E.	5							

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	22.1	26.97	162	127
d Sunbury (Riverdale) ...	Mrs. R. I. Wolferstan ...	5	1	0	37	..	25.39	173	117
d Littleton (Queen Mary Res.) ...	Met. Water Board ...	5	1	0	44	23.0	28.75	179	130
d Hampton Waterworks ...	Met. Water Board ...	5	1	0	27	22.7	22.69	154	108
d Kempton Works ...	Met. Water Board ...	5	1	0	40	22.6	23.58	155	112
d Hampton (Gloucester Rd.) ...	C. J. Palmer, Esq.	5	1	0	50	..	27.40	159	128
d Staines (Pumping Stn.) ...	Met. Water Board ...	5	1	0	55	..	27.09	169	127
d Staines Reservoir (West Side) ...	Met. Water Board ...	5	1	6	53	23.8	27.08	169	128
d Staines Reservoir (East Side) ...	Met. Water Board ...	5	1	6	53	23.9	27.06	172	127
d Twickenham Refuse D.Wks. (+A) ...	The Borough Surveyor ...	5	1	0	37	..	27.57	155	114
d Isleworth (Mogden Wks.) ... (+A) ...	C. B. Townend, Esq., C.E. ...	5	1	0	33	..	25.46	165	113
d Longford (Perry Oaks Disp. Wks.) ...	C. B. Townend, Esq., C.E. ...	5	1	0	77	..	26.14	152	116
d Sipson ...	Middlesex County Council ...	5	1	2	95	..	28.41	172	117
d Sipson (Hollycroft) ...	Mr. W. J. Mitchell ...	5	1	0	94	22.5	28.77	182	124
d Kew Bridge (Waterworks) ...	Met. Water Board ...	5	1	3	36	24.1	27.85	154	117
d Chiswick (Turnham Green) ...	The Borough Engineer ...	8	1	0	27	23.3	(27.94)	..	..
d Hanwell ... (+A) ...	Middlesex County Council ...	5	1	9	36	24.5	29.14	175	123
d Ealing (St. Paul's Vicarage) ...	Rev. A. H. Cooper ...	5	1	6	100	24.7	30.04	192	130
d Acton Pumping Station ... (+A) ...	W. G. Cross, Esq., C.E.	5	1	0	22	..	26.55	160	107
d Acton Cemetery ... (+A) ...	W. G. Cross, Esq., C.E.	5	1	6	100	..	29.58	170	115
d Hayes (Town Hall Park) ... (+A) ...	Middlesex County Council ...	5	..	..	..	..	28.76	164	120
d Ealing (Hanger Hill Reservoir) ...	Met. Water Board ...	5	1	0	206	24.7	30.59	166	116
d Willesden Reservoir ...	Met. Water Board ...	5	1	0	167	25.6	32.34	165	129
d Willesden (Stonebridge Pk.) ...	The Borough Engineer ...	5	6	0	100	..	31.78	172	123
d Sudbury (36, Station Approach) ...	R. M. Eadie, Esq.	5	0	11	152	..	32.25	155	123
d Wembley (Wembley Park Drive) ...	L. J. Petre, Esq.	5	1	0	120	..	30.88	166	120
d Highgate (North Hill Depot) ...	J. H. M. Richards, Esq., C.E. ...	5	1	0	303	25.4	32.23	171	128
d Harrow (Oakhurst) ...	Hugh Gardner, Esq.	5	1	6	295	24.2	32.11	186	124
d Brent Reservoir ...	Grand Union Canal Co.	5	1	0	198	..	(31.46)	..	..
d Hendon (Council Depot) ...	A. O. Knight, Esq., C.E.	8	1	0	153	..	33.34	175	125

DIVISION III—SOUTH MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
			Rim above Ground.	Ground above Sea Level.	Rain-fall.			
		in.	ft. in.	ft.	in.	in.		
MIDDLESEX—(con.).								
1.—THAMES—Colne & Brent—(con.).								
Kenton (Kingshill Drive)	T. Bedford Franklin, Esq.	5	1 0	250	..	33.28	..	..
d Finchley (Church End)	Sister Marie Jacques.	5	0 8	296	..	35.15	185	123
d Ruislip Reservoir	Grand Union Canal Co.	5	1 0	170	..	30.82	199	130
d Pinner (Hillcrest Avenue)	C. S. Lewis, Esq.	5	1 0	200	..	30.91	175	116
d Wealdstone (Kodak Works)	Messrs. Kodak, Ltd.	5	1 0	195	..	33.31	180	125
d Harrow (Wealdstone House)	Miss H. O. E. Cobb	5	1 0	236	25.1	32.77	181	123
d Northwood (Ravenswood)	M. T. Allen, Esq.	5	2 0	365	..	32.58	192	130
d Edgware M.C.C. Depot	(+A) Middlesex County Council	5	0 9	179	25.8	33.87	169	122
d Stanmore	(+A) Harrow U.D.C.	5	1 6	281	..	32.43	180	111
d Edgware (Franchlyn Gardens)	A. R. Bill, Esq.	5	..	..	..	33.02	173	118
d Elstree (Barnet Lane)	G. V. Maxted, Esq., C.E.	8	1 0	470	..	35.82	160	118
d Elstree (Ridgeway)	Major N. G. Brett-James	5	0 9	450	..	34.32	155	121
d Potters Bar (Mount Grace)	E. Halsey, Esq.	5	1 3	375	26.1	35.37	184	144
2.—THAMES—Lea. 47 sq. mi.								
d Crouch End (Priory Park)	J. H. M. Richards, Esq., C.E.	5	1 0	118	25.8	32.21	164	124
d TOTTENHAM (Drayton Road)	Medical Officer of Health	5	0 11	54	23.3	(30.42)	(152)	(113)
d Hornsey (High Street)	Met. Water Board	5	1 0	107	24.9	31.88	158	116
d Harringay (Wightman Rd.) <i>new g.</i>	J. H. M. Richards, Esq., C.E.	5	1 0	90	..	31.77	175	128
d Muswell Hill (Cl. Nurs.) <i>new g. (A).</i>	J. H. M. Richards, Esq., C.E.	5	1 0	209	26.1	33.05	179	121
d Wood Green (Maryland Road)	F. C. Hornsey, Esq.	8	1 0	110	..	34.04	176	130
d Finchley (Victoria Park)	P. T. Harrison, Esq., C.E.	5	0 11	272	26.3	34.44	180	124
d Palmers Gr. (Broomfield Pk.) (+A)	J. T. W. Peat, Esq.	8	1 6	136	24.7	33.77	173	127
d Winchmore Hill (Elsiedene Road)	V. E. Steers, Esq.	5	1 0	107	26.7	33.31	171	126
d Enfield (Sewage Works)	The Engineer and Surveyor	5	1 2	43	..	(31.78)	172	119
d Southgate (Oakwood Park)	J. T. W. Peat, Esq.	5	1 0	220	..	31.85	185	120
d Ponders End Pumping Station	Met. Water Board	5	1 0	45	23.3	31.04	171	121
d ENFIELD (Southbury Road)	Met. Water Board	5	1 0	148	24.7	32.38	176	126
d Cockfosters (Trent Park)	Lee Conservancy Catchm. Bd.	5	1 0	250	..	34.03	167	125
d Enfield (Forty Hill)	Dr. E. C. Carter	5	0 11	125	..	32.25	161	126
d Enfield (Roselands, Turkey St.)	E. S. Rashleigh, Esq.	5	1 0	80	23.2	31.23	180	125
d Enfield (Whitewebbs Park)	The Engineer and Surveyor	5	1 2	120	..	32.07	166	124
Waltham Cross (Sewage Works)	Cheshunt U.D.C.	5	1 0	61	22.6	31.43	..	..
HERTFORDSHIRE. (Area, 635 sq. mi.).								
1.—THAMES—Thame. 10 sq. mi.								
d Tring (Akeman St.)	T. Grace, Esq.	8	1 0	450	29.4	33.49	196	140
d Tring (Pendley Manor)	Mrs. J. G. Williams	5	1 0	420	28.4	33.67	190	144
2.—THAMES—Colne and Brent. 199 sq. mi.								
d Northwood (St. Mary's Ave.)	R. H. Daw, Esq.	5	1 0	231	..	31.24	177	123
d Northwood (Woodhouse Eaves)	Miss S. F. Fox, M.D.	5	1 0	400	27.6	35.05	232	160
d Northwood (Moor Park)	H. L. Lewis, Esq.	5	1 0	220	..	32.75	197	129
d Bushey Heath (California La.)	Miss C. C. Cooper	5	1 0	500	26.0	32.49	165	119
w Totteridge (West Lodge)	P. D. Walker, Esq.	5	1 4	410	26.9	34.37	..	..
d Batchworth (Pumping Stn.)	L. F. Hobbs, Esq., C.E.	5	1 2	156	..	31.29	167	128
d Rickmansworth (Croxley Green)	S. Ingleby Oddie, Esq.	5	1 0	262	27.2	34.35	194	139
d Croxley Green (Little Gillions)	Hon. Mrs. Parsons	5	1 5	280	..	33.48	..	..
d Chorleywood (Catlips Farm)	M. H. Cadman, Esq.	5	1 0	350	..	33.24	197	131
d Barnet (Sewage Works)	(+A) E. Scott, Esq., C.E.	5	1 0	295	..	33.95	185	121
d Boreham Wood	E. T. Court, Esq.	5	1 0	310	..	35.60	190	126
d Barnet (Hadley Green)	Mrs. M. Tidmarsh	5	3 0	419	..	34.77	174	130
d Watford (Colne Valley W.W.)	F. Kenneth Sinclair, Esq.	5	3 2	200	25.6	31.86	185	128
d Watford (Waterworks)	W. W. Newman, Esq., C.E.	6	1 9	175	25.9	30.37	167	118
d Heronsgate (Waterfield Ho.)	A. J. Richardson, Esq.	5	1 0	390	..	34.97	193	135
d Sarratt (Micklefield Green)	J. O. Hickman, Esq.	5	0 8	380	29.0	33.75	161	136
d Shenley (Kitwells)	T. H. Riches, Esq.	5	1 0	420	27.5	36.06	194	135
d Sarratt (Goldingtons)	P. Clutterbuck, Esq.	5	1 0	384	29.0	33.93	..	126

DIVISION III—SOUTH MIDLAND COUNTIES—(con.).

		Rain-gauge			1939.			
STATIONS.	AUTHORITIES.	Diam.	Height of		Average	Rain-	Days	Days
			Rim	Ground	Rain-	fall.	with	with
			above	above	fall.		·01 in.	·04 in.
			Ground.	Sea Level.			or	or
		in.	ft.	in.	ft.	in.	in.	more.
HERTFORDSHIRE—(con.).								
2.—THAMES—Colne and Brent—(con.).								
d Kings Langley (Langleybury Gdns.)	E. Henry Loyd, Esq.*	5	1	0	300	28·1	34·45	193
d Kings Langley (Fir Tree Cottage)	Edward Toms, Esq.	5	1	0	278	28·1	33·78	192
d North Mimms P.S.	J. F. Haseldine, Esq.	5	1	0	254	..	32·57	186
d Hemel Hempstead (Abbotts Hill)	Lady M. Dalrymple	5	1	6	360	..	32·88	159
d Hemel Hempstead (Felden)	A. T. Collier, Esq.	5	1	0	500	..	32·98	195
d Hemel Hempstead (Apsley Mills)	Messrs. J. Dickinson & Co.	24	1	4	268	27·9	32·33	192
d Colney Heath (Tyttenhanger P.S.)	J. F. Haseldine, Esq.	5	1	0	241	25·7	30·95	174
Berkhamstead (Norcott Hill)	T. G. Blackwell, Esq.*	5	..	..	500	..	33·44	..
d St. Albans (Co. Mental Hosp.)	The Controller	5	1	0	295	25·1	35·73	164
d St. Albans (County Museum)	The Curator	5	1	0	389	27·4	30·42	182
d St. Albans (Oaklands Inst.)	The Principal	5	1	0	272	24·9	29·33	182
d St. Albans (Gorhambury)	The Head Gardener	5	1	0	423	27·9	30·58	174
d Hatfield (Hatfield P. Stn.)	J. F. Haseldine, Esq.	5	1	0	334	24·7	32·90	181
d Berkhamstead (Rossway)	The Lady Hadden	5	1	1	590	..	34·87	190
d Tring (Chamneys)	Percy E. Fort, Esq.	5	1	0	600	..	33·57	194
d Berkhamstead (Fritchesden Copse)	H. V. Gray, Esq.	5	1	0	575	..	32·20	180
d Tring (Cowroast Lock)	Grand Union Canal Co.	5	1	0	390	29·7	32·68	171
d Harpenden (West Common Way)	F. T. Potter, Esq.	5	1	0	420	..	32·43	184
d Harpenden (ROTHAMSTED) (+A)	Lawes Agricultural Trust	8	0	9	420	26·7	30·16	195
d Harpenden (Rothamsted)	Lawes Agricultural Trust	5	1	0	420	27·3	30·86	194
d Harpenden (Rothamsted)	Lawes Agricultural Trust	72 x 87	0	9	420	28·6	32·71	205
d Markyate Waterworks	B. L. Stephenson, Esq.	5	1	0	538	..	34·07	205
3.—THAMES—Lea. 340 sq. mi.								
Cheshunt (Manor House)	Cheshunt U.D.C.	5	1	0	83	24·2	30·63	..
d Northaw School	C. Steventon, Esq.	5	5	0	350	26·8	32·72	160
d Cheshunt Yard	Met. Water Board	5	1	0	100	24·1	32·83	200
d Cheshunt (Cheshunt Park)	Mr. W. Standerwick	5	0	9	209	25·4	32·71	190
d Cheshunt (Darnicle Hill P. Stn.)	Met. Water Board	5	1	0	250	26·2	(34·01)	(191)
d Essendon Place Gardens	J. B. Healing, Esq.	5	1	0	365	26·6	34·63	144
Little Berkhamstead	A. Noble, Esq., I.C.P.	5	1	0	380	25·0	29·96	..
d Hatfield (Co. Surveyor's Office)	A. E. Prescott, Esq., C.E.	5	1	3	270	24·5	29·91	171
d Broxbourne (Broxbournebury)	Mr. D. Cake	5	1	0	140	..	31·39	190
d Hoddesdon	H. F. Hayllar, Esq.	5	5	0	120	23·7	29·08	165
d Hoddesdon (Feilde's Weir)	Met. Water Board	5	3	8	95	23·7	32·00	183
d Haileybury College	The Headmaster	8	1	0	270	24·8	31·72	188
d Hertford (Cole Green)	Lee Conservancy Catchm. Bd.	5	1	0	240	..	33·40	163
d Gilston Park	The Head Gardener	8	1	0	175	..	31·41	157
d Welwyn Garden City (Sewage Wks.)	K. S. Henderson, Esq.	5	1	0	246	24·7	32·13	176
d Hertford (Sewage Works)	Met. Water Board	5	1	0	123	23·3	30·07	189
d Ware (Red House)	Met. Water Board	5	1	0	105	23·5	30·93	168
d Ware (Chadwell Spring)	Met. Water Board	5	1	0	140	24·2	30·12	171
d Wareside (Morley House)	Lee Conservancy Catchm. Bd.	5	1	0	220	..	30·30	199
d Welwyn (Harmer Green)	Mrs. E. Weber	5	1	0	403	25·5	34·70	180
d Welwyn (The Manor House)	Lt. Col. J. B. Gilliat	5	0	9	245	..	31·58	..
d Welwyn (Sewage Works)	C. B. Borthwick, Esq., C.E.	8	0	11	260	..	31·90	191
d Welwyn (Codicote Lodge)	The Head Gardener	5	1	0	340	25·8	31·60	160
d Much Hadham (Wynches)	Lady Wilson	5	1	3	278	..	33·05	185
d Much Hadham	Miss J. Mott	5	1	0	212	25·1	30·66	142
d Bishop Stortford (Twyford Ho.)	Miss B. L. Frere	5	1	0	181	23·7	30·81	191
d Bishop Stortford (Little Canes)	Hugh W. Hart, Esq.	5	1	0	250	..	32·43	183
Breachwood Green	S. J. Simpson, Esq.	5	2	0	484	..	30·89	..
d Bishop Stortford (Dunmow Road)	H. J. Holmes	5	1	1	290	..	32·17	165
d Little Hadham (Hadham Hall)	Miss S. Minet	5	1	0	338	24·5	32·94	166
d Stevenage (Six Hills)	J. Barker, Esq.	5	1	0	296	..	29·17	210
d Hitchin (Preston)	R. de V. Pryor, Esq.	8	1	0	484	25·2	32·44	182
d Braughing (Upp. Hall)	Lady Brodie Henderson	5	1	6	370	..	33·23	205
d Furneaux Pelham	G. Warren Bindless, Esq.	5	1	0	300	24·8	(32·00)	(179)
d Buntingford (Wyddial)	Lee Conservancy Catchm. Bd.	5	1	0	410	..	31·11	172
d Royston (Therfield Rectory)	Rev. H. R. Humphreys	5	1	0	512	25·2	30·91	189

* Per Hertfordshire Natural History Society.

DIVISION III—SOUTH MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average	Rain-fall.	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
			Rim	Ground					
			above	above					
			Ground.	Sea Level.					
HERTFORDSHIRE—(con.).			in.	ft. in.	ft.	in.	in.		
4.—OUSE. 86 sq. mi.									
d Offley (School House)	The Headmaster	5	1	2	526	25.4	29.36	159	130
d Hitchin (Offley Place)	A. W. Acland, Esq.	5	0	9	520	..	32.71	..	126
d Hitchin (High Down)	Miss E. Pollard	5	1	1	421	24.6	30.27	191	131
d Letchworth (Gernon Road)	A. W. Brunt, Esq.	5	1	0	290	22.8	27.60	163	127
d Letchworth (Fire Station)	The Surveyor, U.D.C.	5	1	0	290	22.3	26.22	139	112
d Barley (Dalnyveed)	W. F. Sermons, Esq.	5	1	0	300	24.0	29.15	168	128
d Royston (Earls Hill House)	Col. E. C. M. Phillips, D.S.O.	8	1	3	225	23.6	28.49	193	124
BUCKINGHAMSHIRE. (Area, 743 sq. mi.).									
1.—THAMES—Cherwell. 30 sq. mi.									
d Little Gaddesden (Ringshall End). H. C. Bradby, Esq.		5	1	4	700	28.9	30.15	..	..
d Dagnall (Ivinglea)	E. L. Hawke, Esq., M.A.	5	1	0	550	..	36.25	226	166
2.—THAMES—Thame. 158 sq. mi.									
d Parslow's Hillock	Col. C. S. Prichard	5	1	0	770	31.1	36.65	200	143
d Princes Risborough (Research Lab.) The Director		5	1	0	333	..	32.95	186	134
d Princes Risborough (Longwick)	Rev. C. C. Shute	5	0	11	300	..	33.94	177	140
d Little Kimble	Dr. L. T. Burra	5	0	10	370	25.0	29.97	182	135
d HALTON Camp	R.A.F. Inst. of Pathology	5	1	0	544	..	32.61	189	135
d Weston Turville	G. Eland, Esq.	5	1	0	320	25.5	32.98	..	125
d Tring (Bulbourne)	Grand Union Canal Co.	5	1	0	401	26.2	31.62	190	139
d Aylesbury (Sewage Works)	W. H. Taylor, Esq.	5	1	0	251	25.9	30.72	191	138
d Mentmore Gardens	Mr. T. Lindores	5	1	3	400	25.0	28.10	155	123
d Quainton (Quainton Cottage)	Sir L. H. West, O.B.E.	5	1	2	350	..	30.18	169	132
3.—THAMES—Wye & c. 129 sq. mi.									
d Eton (Tangier Island) (+A)	F. N. McRae, Esq.	5	0	8	68	24.6	28.57	195	128
d Slough (Upton)	Mrs. L. R. Bentley	5	1	0	78	23.9	29.18	200	123
d Slough (Windsor Road)	F. K. Hare, Esq.	5	0	11	69	..	27.21	185	119
d Taplow (Beechwood)	Messrs. Wm. Wood & Son, Ltd.	5	0	10	..	..	26.81	..	130
d Taplow Court Gardens	G. H. Emmett, Esq.	5	1	0	211	23.9	27.83	179	137
d Henley-on-Thames (Greenlands)	Lord Hambleden	5	1	0	125	27.1	29.27	..	127
d Burnham Waterworks P.S.	J. W. Madeley, Esq.	5	1	0	180	..	27.00	185	126
d Bourne End	Major Forbes Holland	6	1	3	96	..	31.20	173	124
d Bourne End (Hedsor)	J. Wood, Esq.	8	1	0	170	..	28.75	152	121
d Hambleden (Hatchmans)	Prof. G. E. Gask, C.M.G., D.S.O.	5	0	5	185	..	36.04	187	142
d High Wycombe (Hackwell Hth.)	W. C. F. Fairley, Esq.	5	1	10	365	26.8	29.24	183	133
d High Wycombe (Pann Mill P.S.)	S. Young, Esq.	8	1	1	219	..	32.72	190	132
d High Wycombe (Lane End Kes.)	S. Young, Esq.	5	1	0	659	..	34.14	..	..
d Penn (Woodside)	Miss E. M. T. Epps	5	0	10	500	30.7	31.03	187	141
d Penn (Rayners)	Mr. E. Peett	5	1	10	547	29.4	34.14	193	145
d Radnage (Yewdene)	Rev. H. E. Cooper	5	0	11	430	..	37.71	182	146
d Hampden House	The Earl of Buckinghamshire	5	1	0	695	29.2	32.80	179	137
—THAMES—Colne. 133 sq. mi.									
d Wraybury School	R. Watson, Esq., L.C.P.	5	0	8	59	..	28.22	..	..
d Slough (Ditton Park)	Admiralty	5	2	0	70	24.7	28.08	171	121
d Denham Golf Club	The Secretary	5	1	0	210	26.4	29.37	..	125
d Gerrards Cross (Bulstrode Gdns.)	Mr. G. Taylor	5	1	6	280	27.2	30.52	..	121
d Beaconsfield	S. H. Dyer, Esq.	5	1	0	350	27.7	33.62	204	135
d Chalfont St. Giles (The Colony)	J. W. Edwards, Esq.	8	1	1	340	..	33.45	203	137
d Chalfont St. Giles (Courtlands)	Capt. G. F. E. Story	5	4	0	410	..	32.90	188	139
d High Wycombe (Hazlemere Sch.)	A. J. Chapman, Esq.	5	1	6	568	28.1	35.91	..	..
d Amersham Waterworks	F. L. Gordon, Esq.	8	1	0	592	..	32.78	194	137
d Amersham Common (The Plantation)	Mrs. G. H. Fawcett	8	1	0	464	28.2	32.66	204	137
d Gt. Missenden (Pumping Sta.)	L. F. Hobbs, Esq., C.E.	5	1	0	372	27.6	33.32	189	143
d Chesham (Nashleigh Hill)	Mrs. Hayes	5	1	0	530	29.1	29.42	195	142

DIVISION III—SOUTH MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.				
			Height of Rim above Ground.	Ground above Sea Level.	Average Rain- fall.	Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.		
BUCKINGHAMSHIRE—(con.).			in.	ft.	in.	ft.	in.	in.		
5.—OUSE. 293 sq. mi.										
d Edlesborough (Solaris)	H. Simmons, Esq., M.B.A.A.	5	1	0	320	..	30·92	200	132	
d Oving House	Mrs. H. Yates Thompson	5	1	0	515	26·4	33·35	188	140	
d Swanbourne House School	L. L. C. Evans, Esq.	5	1	0	411	26·3	31·68	..	141	
d MURSLEY Hall	Lady Beecham	8	1	0	490	25·7	30·81	169	126	
d Buckingham (Senior School)	The Headmaster	5	1	0	303	..	33·07	163	136	
d Buckingham (Market Hill)	A. Pettipher, Esq.	5	1	0	300	25·3	33·79	199	138	
d Wavendon House	S. H. Le Roy Lewis, Esq.	5	1	0	250	..	32·81	188	136	
d Wolverton (Gables Lodge)	J. Forster, Esq.	5	1	0	264	24·0	34·48	197	131	
d Wolverton (Council School)	The Headmaster	5	5	0	263	22·9	34·32	..	..
d Newport Pagnell (Lovat Bank)	F. W. Taylor, Esq.	5	1	6	250	..	31·92	182	123	
d Newport Pagnell (Lathbury)	F. W. Coates, Esq.	8	1	2	200	23·2	32·30	181	132	
d Turvey (Brayfield House)	Major D. Farrer, J.P.	5	5	0	188	23·3	31·56	172	134	
OXFORDSHIRE. (Area, 756 sq. mi.).										
1.—SEVERN—Upper Avon. 10 sq. mi.										
d Sibford Ferris (Woolman Cottage)	Joshua Lamb, Esq.	5	1	0	570	27·3	31·12	182	135	
2.—THAMES—Windrush & c. 261 sq. mi.										
d Kelmscott	R. Hobbs, Esq.	6	0	10	150	24·8	32·32	180	135	
d Broughton Poggs	J. N. Hardcastle, Esq.	5	1	0	275	26·2	33·96	..	..
d Filkins	Hon. Sir Stafford Cripps, K.C.	5	2	0	279	25·1	33·26	191	116	
d Witney (Cokethorpe)	Major H. G. Feilden	5	1	4	230	25·5	30·35	..	119	
d Witney (Grammar School)	A. L. Parker, Esq.	5	0	11	275	..	32·38	163	133	
d Burford (Westhall Hill)	Capt. W. R. W. Kettlewell, R.N.	5	1	0	400	..	38·10	197	142	
d Charlbury (Cornbury Park)	The Head Gardener	5	0	9	420	..	37·34	167	134	
d Wootton Rectory	Rev. F. R. Marriott	5	1	0	375	26·5	34·52	166	132	
d Chadlington (Langston House)	Lt.-Col. F. W. Schofield, C.M.G.	5	1	0	430	26·7	35·52	202	148	
d Woodstock (Sandford St. Martin) (+A)	B.E. Dunbar Kilburn, Esq.	5	1	0	500	..	34·55	198	132	
d Chipping Norton (Heythrop Col.)	The Procurator	8	1	0	600	28·0	36·92	206	153	
d Chipping Norton (Bungalow)	T. H. Pettipher, Esq.	5	1	0	750	27·6	33·19	196	133	
d Chipping Norton (Choicehill)	E. W. Arkell, Esq.	5	1	0	500	27·0	29·95	178	135	
3.—THAMES—Cherwell. 250 sq. mi.										
d Nuneham Park Gardens	The Head Gardener	8	1	0	280	25·5	33·64	160	134	
d Oxford (Hincksey Pump. Sta.)	A. Carstairs, Esq., C.E.	8	1	0	187	24·0	28·77	178	124	
d Oxford (Osney Lock)	Thames Conservancy	5	1	6	186	24·4	29·92	189	127	
d Oxford (Magdalen College)	F. J. Parker, Esq.	5	1	0	186	23·8	28·98	177	118	
d OXFORD (Radcliffe Met. Stn.)	Reader in Climatology	8	1	0	208	24·8	30·43	180	128	
d Headington (Warneford)	Dr. M. H. McInnes	5	1	0	300	23·3	28·68	148	125	
d Oxford (Northmoor Road)	Rev. Canon J. S. Wimbush	8	1	0	210	24·3	30·91	168	118	
d Headington Hill (Thornhill)	E. S. Fry, Esq.	5	1	0	..	24·1	28·19	137	113	
d Oxford (Banbury Road)	P. E. Saunder, Esq.	4	2	0	..	..	32·35	..	..
d Elsfield (Home Farm)	Miss M. J. Parsons	5	1	0	355	24·9	33·16	178	126	
d Tackley (Hampton)	W. Evetts, Esq.	5	1	0	266	..	35·88	183	125	
d Bicester (St. John's)	Rev. H. R. Long	5	0	10	240	25·4	34·80	203	139	
d Middleton Park	The Earl of Jersey	5	1	0	326	25·8	36·16?	178	138	
d UPPER HEYFORD (AERODROME) (+A)	Meteorological Office	8	1	0	408	25·7	34·17	193	136	
d Steeple Aston (The Grange)	Arthur E. Bradshaw, Esq.	8	1	0	400	..	33·64	187	129	
d Adderbury (The Green)	Miss L. C. Jansen	5	0	10	300	25·9	32·15	..	..
d West Adderbury (Cross Hill)	Lt.-Col. H. E. du C. Norris	5	2	0	338	25·4	31·35	203	137	
d West Adderbury (St. Amand's)	Rev. B. W. Bradford	5	1	0	350	25·9	31·37	190	121	
d Adderbury (The Rookery)	C. C. Bradford, Esq.	8	1	0	323	26·3	33·14	197	146	
d Banbury (Coteheld)	Capt. C. N. Keyser	5	1	0	390	..	30·16	163	141	
d Banbury (Epwell Mill)	P. Withers, Esq.	5	1	0	520	..	32·14	183	127	
d N. Newton (Orchard Ho.)	H. J. Busby, Esq.	5	1	3	392	..	31·43	177	142	
d Banbury (Bloxham Road)	Dr. C. Royds Jones	5	1	0	416	25·8	29·62	187	130	
d* Grimsbury (Banbury W.W.)	Banbury Water Co.	5	1	3	316	..	29·45	151	127	

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DIVISION III—SOUTH MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam	Rain-gauge		Average Rain-fall.	1939.			
			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.	
OXFORDSHIRE—(con.).						in.			
4.—THAMES—Thame & c. 210 sq. mi.						in.	ft. in.	ft.	
Shiplake (Crescent Key)	A. Edward Hobbs, Esq.	5	0	9	127	25.3	30.18	167	128
Henley-on-Thames (Hart St.)	A. Edward Hobbs, Esq.	5	0	11	110	25.8	30.94	172	130
Henley-on-Thames (Greys Lane)	G. F. Smith, Esq.	5	1	1	123	26.1	30.88	182	134
Henley-on-Thames (Greys Gr.)	Mrs. H. Wolferstan	5	1	6	350	27.2	34.02	174	143
Ipsden (Hailey)	Glynne Williams, Esq.	5	1	0	350	27.0	33.38	192	135
Nettlebed (Joyce Grove) No. 1	Mr. F. Morby	5	1	0	590	31.1	39.47	184	153
Swyncombe House	C. W. Christie-Miller, Esq.	5	1	0	515	30.2	38.05	192	138
Swyncombe (Cookley House)	J. S. C. Bridge, Esq.	5	1	0	730	30.7	37.24	208	151
Watlington (Cuxham)	P. J. Edwards, Esq.	5	0	10	200		31.04		
Clifton Hampden (Manor House)	Lord Aldenham	5	1	0	190	23.7	28.89	203	129
Watlington (Pyrton Manor)	Major H. Ducat Hamersley	5	1	0	325	26.5	32.37	174	135
Wheatfield	Major A. V. Spencer, D.S.O.	5	0	11	260	25.6	30.05	170	127
Toot Baldon (Potlands)	D. Clinkard, Esq.	5	1	0	288	24.7	31.11	168	126
5.—OUSE. 25 sq. mi.									
NORTHAMPTONSHIRE. (Area, 1,003 sq. mi.)									
1.—SEVERN—Upper Avon. 60 sq. mi.									
Rugby (Kilsby Vicarage)	Rev. C. RyderMacnally	5	1	3	450	26.9	34.43	196	138
Naseby Reservoir	Grand Union Canal Co.	5	2	0	519	25.2	33.11	211	142
2.—THAMES—Cherwell. 77 sq. mi.									
Croughton	C. A. St. George Moore, Esq.	5	1	0	430	25.7	32.96	177	124
3.—OUSE. 148 sq. mi.									
Brackley (Waterworks)	W. M. Oldreive, Esq.	5	1	3	471	26.1	33.60	180	135
Brackley (Glebe House)	C. Reyersbach, Esq.	5	1	0	390		35.72	194	143
Hazelborough Woods	Forestry Commission	8	1	0	441	25.5	37.00	178	142
Silverstone (The Chantry)	Miss A. M. Wood				450	25.6	37.65	199	139
Silverstone (Council School)	J. P. Osborne, Esq.	5	1	0	400	25.8	37.59		
Towcester (Bradden House)	Miss U. Grant-Ives	5	0	10	420	26.5	36.47	186	133
Towcester (Easton Neston)	The Rt. Hon. Lord Hesketh	8	1	0	325	26.6	35.14	198	138
Hargrave Hall	Sir K. Murchison	5	1	0	273	23.7	29.79		
4.—NENE. 622 sq. mi.									
Salcey Forest	Forestry Commission	8	1	3	370	26.4	35.51	189	139
Blisworth (Crief House)	A. Westley, Esq.	5	1	0	351	24.9	35.28	185	122
Litchborough Rectory	Rev. C. E. Green**	5	1	0	485		32.08	186	122
Blisworth (Grand Junc. Canal)	Grand Union Canal Co.	5	1	6	300	23.8	35.57		121
Yardley Hastings (The Rectory)	Rev. W. F. Need	5	0	9	264		31.74	196	134
Little Houghton House	Mrs. Davidge	5	0	11	300	24.3	(30.14)	(158)	(124)
Northampton (Hardingstone Stn.)	Electric Light & Power Co.**	5	1	0	189		29.79	173	125
Northampton (Upton)	J. R. Foster, Esq.	5	1	0	270		30.12	164	122
Northampton (St. Andrew's H.)	Medical Superintendent	5	0	9	250		32.33	180	136
Northampton (General Hosp.)	The Secretary-Supt.*	5	1	1	258	23.5	32.32	161	126
Northampton (Mental Hosp.)	F. Speight, Esq.	8	1	2	398	24.3	31.79	199	132
Northampton (Stimpson Av.)	L. H. Brown, Esq., B.Sc., C.E.	8	1	0†	329		30.30	172	127
Northampton (Mercers Row)	R. H. Primavesi, Esq.	5	12	0	250	23.6	32.57	201	139
Duston (Southfield Road)	W. P. Walker, Esq.	5	1	0	342	25.4	33.75	191	132
Wollaston	G. Harris, Esq.	5	1	0	250	23.0	28.92	187	135
Daventry (Tunnel End)	Grand Union Canal Co.	5	1	6	394	25.5	35.45	190	135
Althorp Park	Mr. G. Low	5	1	0	414	26.1	33.71	164	138
Wellingborough (Nene Wharf)	R. Nene Catchment Bd.	5	1	0	135		29.87	160	129
Wellingborough (Swanspool)	R. Kilby, Esq.	5	1	0	169	24.3	30.51	180	132
Wellingborough (Sewage Works)	R. Kilby, Esq.	5	1	0	139	23.2	27.23	165	123
Wellingboro' (Bushfield W.W.)	R. Kilby, Esq.	8	1	0	286	23.3	29.73	191	131

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

** Per River Nene Catchment Board.

§ Turf wall round gauge.

DIVISION III—SOUTH MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with	Days with
			Rim	Ground	Rain-fall.		·01 in.	·04 in.
			above	above	fall.		or	or
			Ground.	Sea Level.			more.	more.
NORTHAMPTONSHIRE—(con.)			in.	ft. in.	ft.	in.		
4.—NENE—(con.).								
*Watford Court	Lord Henley	8	1 0	430	26·5	36·20	..	..
d* Ravensthorpe	L. H. Brown, Esq., B.Sc., C.E.	5	1 0	370	25·5	31·07	170	124
d West Haddon (Foxhill)	P. F. H. Wykeham, Esq., C.E.	8	1 0	440	..	32·58	167	129
d Hardwick Pumping Stn.	R. Kilby, Esq.	5	1 0	318	..	29·29	170	131
d* Hollowell	L. H. Brown, Esq., B.Sc., C.E.	5	1 0	400	..	(32·38)	(180)	(135)
d Oringbury Pumping Station.	R. Kilby, Esq.	5	1 0	286	..	29·53	156	133
d Lampport Grange	Lady Frederick**	5	0 6	440	26·9	30·34	203	137
d Kettering (Cransley Furnaces)	NewCransley Iron & Steel Co.	5	1 0	218	..	28·08	190	138
d Kettering W.W. (Cransley)	Major J. P. Haugh	8	1 0	275	23·7	30·52	198	137
d* Kettering (Sewage Works)	Major J. P. Haugh	8	1 0	199	24·2	30·15	188	135
d Kettering W.W. (Thorpe Malsor)	Major J. P. Haugh	5	1 0	351	24·8	29·42	187	132
d Kettering W.W. (Clover Hill)	Major J. P. Haugh	5	1 0	344	24·2	29·02	175	130
d Thrapston (Drayton Ho.)	Mr. C. V. Craske	5	1 6	220	24·7	29·89	167	139
d Thrapston (Islip)	Miss R. Abbott	5	1 0	150	..	31·23	168	137
Rothwell (Loddington)	Mr. J. Oliff	5	1 0	400	25·1	29·69	172	136
d Tichmarsh Rectory	Rev. Canon A. M. Luckcock*	5	1 0	170	23·9	32·05	208	141
d Rothwell (Shotwell Mill W.W.)	The Surveyor U.D.C.	5	1 6	340	23·6	28·90	162	132
d Desborough U.D.C. Waterworks	A. Harris, Esq., C.E.	5	0 9	457	24·7	30·41	163	131
d Barnwell (Lilford Hall)	Lord Lilford	8	1 0	..	23·8	30·75	..	..
d Oundle (Polebrook Hall)	General Ferguson	5	1 0	125	..	32·60	160	139
d Oundle (Milton Road)	J. M. Siddons, Esq., C.E.	5	1 6	131	22·3	28·86	176	130
d* OUNDLE (School)	The Headmaster	8	1 0	147	22·3	27·86	192	134
d Oundle (Nene Wharf)	R. Nene Catchment Bd.	5	1 0	65	..	29·64	(164)	(125)
d Corby	Messrs. Stewarts and Lloyds, Ltd.*	5	1 0	365	..	31·00	205	144
d Peterborough (Woodston)	Central Sugar Co., Ltd.	5	1 0	25	22·3	25·22	(160)	(117)
d Peterborough (Westbourne Ho.)	E. H. Colman, Esq.	5	1 0	35	21·6	26·14	169	124
Castor	H. St. J. B. Paten, Esq.	5	1 6	100	..	28·28	..	..
d Peterborough (Sewage P.S.) (+ A)	F. J. Smith, Esq., C.E.	8	0 10	9	..	24·79	161	120
d Peterborough (Park Crescent)	S. M. Egar, Esq.	5	1 0	..	..	25·01	179	124
d* Peterborough (Abbeyfields)	Major J. Shipley Ellis, J.P.	5	1 0	49	21·8	23·97	176	125
d* Peterborough (Milton Park)	Mr. E. A. Parker	5	2 0	86	23·7	29·01	171	132
d Wittering (Whitewater)	E. Betts, Esq.	8	1 0	241	23·7	29·52	179	143
d Wittering (Bone Mill)	E. Betts, Esq.	8	1 0	..	23·5	29·59	170	142
5 —WELLAND. 96 sq. mi.								
d* Market Harborough (Dingley Hall)	Mr. G. V. Bignold	5	1 4	475	26·0	33·31	169	143
d Gretton School	The Headmaster	5	0 10	380	..	29·46	..	128
d Gretton (Hillside)	W. Leeson, Esq.	7	1 0	275	..	30·24	..	139
d Easton-on-the-Hill	W. H. Tillson, Esq.	5	0 7	290	23·5	29·02	..	..
d Market Deeping (Etton)	F. J. Smith, Esq., C.E.	8	1 0	25	21·8	25·50	172	113
HUNTINGDONSHIRE. (Area, 366 sq. mi.)								
1.—OUSE. 327 sq. mi.								
d St. Neots (The Square)	Miss L. Sibley	5	0 10	50	21·9	26·37	181	117
d Brampton School	W. T. Carter, Esq.	5	1 0	40	22·3	23·59	161	122
d Hemingford Grey	G. F. Wilson, Esq.	5	1 6	20	21·9	24·37	151	126
d St. Ives (Slepe House)	Dr. W. R. Grove	5	1 0	25	22·6	25·56	167	124
d Huntingdon (Hinchingsbrooke)	W. Prowting, Esq.	5	2 0	70	22·4	25·51	174	126
d Catworth (Hyltop)	J. T. Annet, Esq.	5	0 10	238	23·7	27·37	148	118
d Bluntisham Rectory	Rev. R. F. McNeile	5	1 0	50	..	25·15	165	125
d Whittlesea Mere	Major R. G. Clark, C.E.	8	1 6	10	21·4	26·98	173	132
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	630	..	31·30	193	135
d Whipsnade Park	The Zoological Society	5	1 0	660	28·7	32·21	206	135

* Reporting to Northamptonshire Natural History Society (where the return is received from the N.N.H.S. the asterisk is after the observer's name).

**Per River Nene Catchment Board.

DIVISION III—SOUTH MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Average Rain-fall.	1939.		
			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.
BEDFORDSHIRE—(con.).			in.	ft. in.	ft.	in.	in.	
2.—THAMES—Lea. 32 sq. mi.								
d Luton (Pumping Station)	J.W.Tomlinson, Esq., C.E.	5	1 0	338	25.8	33.29	188	139
d Dunstable (Water Works)	Dunstable Gas & Water Co.	5	1 0	520	..	32.81	183	150
d Dunstable (Priory Road)	A. Bishop, Esq.	8	1 0	476	..	31.34	179	137
d Dunstable (Cement Works)	Works Manager	8	1 0	430	..	29.95?	179	136
d Luton (Wardown Park)	J.W.Tomlinson, Esq., C.E.	5	1 0	381	..	31.99	171	134
d Luton (The Downs)	Lee Conservancy Catchm.Bd.	5	1 0	485	26.3	34.37	226	145
d Luton (Hyde House)	Rev. W. F. Hicks, M.A.	5	1 6	400	25.5	33.39	190	141
d Luton (Stopsley)	Lee Conservancy Catchm.Bd.	5	1 0	540	25.7	33.42	191	137
3.—OUSE. 408 sq. mi.								
d Leighton Buzzard (Pulford Sch.)	The Headmaster	5	1 0	250	..	32.60	215	151
d Meppershall (High Street)	Mrs. G. Rainbow	5	1 0	250	22.9	28.15	153	129
d Hockliffe (Lyndhurst)	C. J. Kilby, Esq.	5	1 0	241	25.0	30.27	163	136
d Woburn (Tingrith Manor Gdns.)	Hon. Claud Lambton	5	0 10	200	24.6	30.36	156	128
d Woburn (Experimental Farm)	Lawes Agricultural Trust	8	1 0	291	23.9	29.85	187	128
d Woburn (Fruit Farm, Ridgmont)	E. J. Hobbs, Esq.	5	1 0	270	..	30.89	178	133
d Letchworth (New Sewage Works)	The Surveyor, U.D.C.	5	1 0	209	22.3	26.76	162	125
d Stotfold (Three Co. Mental Hos.)	Dr. L. O. Fuller	5	1 0	220	..	25.32	155	111
d Silsoe (The Red House)	H. J. Godfrey, Esq.	5	1 0	212	..	30.58	..	125
d Arlesey Sewage Works	The Surveyor, R.D.C.	5	1 0	130	22.4	27.93	165	124
d Aspley Guise	C. A. C. Bowlker, Esq., M.A.	5	1 0	408	27.0	34.07	183	136
d Shefford (Stanford)	C. H. Inskip, Esq.	5	1 6	90	22.2	27.29	..	..
d Biggleswade (New Spring P.S.)	T. A. Staniforth, Esq.	5	1 6	180	21.6	27.50	185	120
d Potton (Sewage Wks.)	C. M. Robinson, Esq.	5	1 2	118	21.7	26.35	..	130
d Sandy (Mogerhanger Park)	Dr. C. G. Welch	5	1 0	152	23.1	27.29	171	121
d Sandy (Sewage Works)	Sandy U.D.C.	5	1 0	72	..	25.94	169	119
d Bedford (Castle Road)	Miss M. E. Newbery	5	4 6	100	22.3	26.66	170	128
d Biddenham (St. Benedicts)	E. H. Barlow, Esq.	5	1 2	120	..	27.57	148	125
d Bedford (Bedford Park)	(+A) The Borough Engineer	8	1 3	117	..	24.90?	176	119
d Goldington (Castle Mill House)	G. A. Rogers, Esq.	5	1 6	75	..	26.20	..	113
d Bedford (Putnoe Lane)	H. F. Briggs, Esq.	5	1 0	105	..	26.67	..	..
d Bromham (Park House)	Miss E. Hulse	5	1 0	170	..	29.01	..	100
d Great Barford House	J. Arnold Whitchurch, Esq.	5	1 6	120	22.1	25.51	161	125
d Pavenham	C. D. Linnell, Esq.	..	..	..	22.4	29.53	145	126
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	2 0	256	23.0	28.60	194	129
d Littleington Vicarage	Rev. M. de Courcy-Ireland	5	1 0	98	..	27.13	142	109
d Guilden Morden Vicarage	Rev. L. G. S. Price	5	1 0	140	21.9	25.68	168	125
d Abington Pigotts Hall	Rev. M. de Courcy-Ireland	5	1 0	87	21.8	29.62	164	116
d Melbourn (Melbourn Bury)	A. R. Fordham, Esq.	5	1 0	90	..	27.33	197	128
d Meldreth (Chiswick Farm)	A. A. Howard, Esq.	5	1 1	70	22.4	27.13	197	127
d Hildersham (Old Mill House)	Lt.-Col. O. B. Foster	5	0 11	108	..	29.92	190	130
d Sawston Village College	The Headmaster	5	1 0	70	..	26.64	169	125
d Grantchester (Lyndewode)	J. Nutter, Esq.	5	1 0	31	22.6	26.86	161	127
d Fulbourn (Fleam Dyke)	Cambridge W.W. Co.	5	1 0	99	23.0	28.06	187	119
d Fulbourn Pumping Station	Cambridge W.W. Co.	5	1 0	37	22.9	22.52?	180	111
d Fulbourn (Cambridge Mental Hos.)	The Head Gardener	5	1 0	72	..	28.68	..	118
d Cambridge W.W. (Cherryhinton)	Cambridge W.W. Co.	5	1 0	35	21.6	25.62	152	119
d Cambridge (Barrow Road)	N. T. Myers, Esq.	8	0 9	47	23.8	27.45	166	124
d Cambridge (33 Barrow Road)	Rev. H. C. Newbery	5	1 0	45	..	27.53	172	128
d Cambridge (Corporation Store Yd.)	G. W. Teasdale, Esq., C.E.	5	1 8	52	21.2	24.08	144	114
d CAMBRIDGE (BOTANIC GARDENS)	The Curator	5	1 1	41	21.8	25.72	158	124
d Cambridge (Trumpington Rd.)	Canon H. J. E. Burrell	5	1 6	50	..	26.44	170	122

DIVISION III—SOUTH MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average	Rain-fall.	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
			Rim above Ground.	Ground above Sea Level.	age fall.				
CAMBRIDGESHIRE—(con.).									
		in.	ft. in.	ft.	in.		in.		
2.—OUSE—(con.).									
d Cambridge (Corporation P. S.)	G. W. Teasdale, Esq., C.E.	5	1 7	28	22·1	22·62	156	112	
d CAMBRIDGE (UNIVERSITY FARM)	The Director.	5	1 0	78	..	25·16	168	124	
d Caxton	Dr. E. P. H. Dudley	5	1 0	155	23·3	23·63	148	124	
d Quy Hall	Lt.-Col. J. C. W. Francis	5	0 9	23	22·6	23·60	147	124	
d Boxworth (Manor House)	Capt. E. B. Thornhill, M.C.	5	1 0	76	23·4	25·64	179	124	
d Oakington	A. H. V. Bloom, Esq.	5	1 3	27	..	26·10	..	119	
d Waterbeach (Bottisham Lock)	Gt. Ouse Catchment Bd.	5	2 0	10	..	21·86	161	116	
d Cottenham (Bernard House)	Miss K. Bull	6	1 6	30	22·1	(24·33)	180	118	
d Fordham (London House)	W. V. Bloom, Esq.	5	1 0	30	21·4	22·89	146	103	
d Stretham Engine	E. Stevens, Esq.	5	1 0	13	21·2	21·01	150	110	
d Stretham (Orchard House)	Miss Wright	8	4 6	42	22·0	24·79	161	..	
d Ely (Roswell Pits)	Gt. Ouse Catchment Bd.	5	2 0	114	..	20·60	169	107	
d Littleport (Highfield House)	H. G. Martin, Esq.	8	4 0	67	21·3	21·40	150	113	
d March	Major R. G. Clark, C.E.	9	2 0	10	22·8	25·70	145	127	
d Upwell (Marmont Priory Lock)	Major R. G. Clark, C.E.	8	1 1	..	20·6	28·04	144	123	

3.—NENE. 105 sq. mi.

d Stanground Sluice	Major R. G. Clark, C.E.	8	1 6	15	21·7	25·23	180	122	
d Thorney Toll (Elm Tree Farm)	G. Snushall, Esq.	5	1 0	6	..	25·81	143	117	
d Parson Drove (Clows Cross)	W. Kingston, Esq.	8	1 0	6	22·1	23·62	185	129	
d Wisbech (York Row)	T. Keetch, Esq.	5	7 0	5	..	24·87	167	125	
d Wisbech (Queen's Road)	C. Dann, Esq.	5	1 6	10	23·0	23·82	166	120	
d Wisbech (Tydd Manor)	A. H. Carter, Esq.	5	6 6	..	..	22·29	146	122	

DIVISION IV—EASTERN COUNTIES.

ESSEX—(Area, 1,532 sq. mi.)

1.—THAMES.—Lea. 132 sq. mi.

d West Ham (Abbey Mills)	London County Council	8	0 10	15	22·3	30·84	165	120	
d Leyton (Sewage Works)	(+A) A. P. Howell, Esq., C.E.	5	0 9	22	23·0	31·66	168	119	
d Leytonstone (High Road)	Miss G. Lister	5	1 3	100	24·3	(31·97)	(163)	(124)	
d Lea Bridge (Waterworks)	Met. Water Board	5	1 0	23	22·0	29·44	158	117	
d Walthamstow (Ferry Lane)	Met. Water Board	5	1 0	30	22·6	30·55	155	116	
d Woodford (Haggar Lane)	Met. Water Board	8	1 0	176	23·0	31·73	157	123	
d Buckhurst Hill Reservoir	Met. Water Board	5	1 0	275	23·9	31·06	182	125	
d Buckhurst Hill (Queen's Rd.)	A. J. Mead, Esq.	5	4 5	190	..	30·01	..	..
d Chingford (Crescent Road)	Miss M. L. Mathieson	5	2 9	200	23·3	32·42	182	121	
d Chingford Mill	Met. Water Board	5	1 0	40	23·0	30·19	167	125	
d Loughton (High Beech Res.)	Met. Water Board	8	1 0	376	25·1	32·93	179	129	
d Waltham Abbey (Rammey Marsh)	Met. Water Board	5	1 0	60	23·4	30·55	162	116	
d Waltham Abbey (Pumping Sta.)	Met. Water Board	5	1 8	62	23·3	30·69	172	122	
d Waltham Abbey (Gunpr. Fact.)	The Superintendent	5	1 0	64	..	29·83	177	128	
d Roydon (The Green)	L. C. Miller, Esq.	5	1 0	120	..	33·04	166	126	
d Matching Green	H. Nimmo, Esq.	5	0 9	250	..	30·97	209	125	
d Harlow (Hill House)	Capt. T. M. Illingworth	5	0 11	181	..	32·32	160	131	
d Hatfield Broad Oak (Barrington)	A. H. Gosling, Esq.	5	0 10	300	24·3	31·71	185	129	
d Bishop Stortford (Hassobury)	Major W. S. Gosling	5	0 10	290	25·0	33·71	187	..	
d Staunsted (Bentfield Place)	L. D. Gosling, Esq.	5	0 9	300	24·6	32·44	183	143	

2.—THAMES—Roding, & c. 316 sq. mi.

d Grays (Sewage Works)	The Manager	8	1 6	7	20·3	24·56	163	114	
d Tilbury (Park View Obsy.)	G. F. Andrassy, Esq., C.E.	5	1 0	4	20·2	27·18	..	114	
d Purfleet	Thames Board Mills, Ltd.	8	1 0	4	..	28·69	168	115	
d Grays (Stanley Road)	G. F. Andrassy, Esq., C.E.	5	3 3	21	21·7	26·29	..	114	

§ Turf wall round gauge.

DIVISION IV—EASTERN COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.			
			Height of Rim above Ground.	Ground above Sea Level.	Average Rain- fall.	Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.	
ESSEX—(con.).			in.	ft.	in.	ft.	in.		
2.—THAMES—Roding—(con.).									
d Rainham (Riverside Sewage Wks.)	Dagenham U.D.C.	8	1	6	0	19·3	27·72	159	116
d EAST HAM (Central Park)	The Corporation	8	1	0	15	22·3	31·96	168	123
d East Ham Well	Met. Water Board	5	1	0	17	21·6	30·33	162	119
d Ilford (Loxford Park)	L. E. J. Reynolds, Esq., C.E.	5	1	0	30	..	33·09	171	122
d Ilford (Goodmayes Park)	L. E. J. Reynolds, Esq., C.E.	5	1	0	38	..	32·28	166	177
d Ilford (Valentines Park)	(+ A) L. E. J. Reynolds, Esq., C.E.	5	1	0	43	..	30·82	169	112
d Ilford (Clayhall Park)	L. E. J. Reynolds, Esq., C.E.	5	1	0	109	..	30·67	161	127
d Ilford (Hainault Rec. Ground)	L. E. J. Reynolds, Esq., C.E.	5	1	0	105	..	29·94	175	125
d SOUTHBEND (The Cliffs)	The Corporation (Pier Master)	8	1	0	90	19·7	26·58	166	119
d Southend (Waterworks)	Southend Water Works Co.	8	1	0	112	21·1	27·79	179	117
d South Benfleet (Hillside Road)	H. A. Marshall, Esq.	5	1	0	55	21·2	26·95	155	117
d Vange Pumping Station	Southend Water Works Co.	5	1	0	43	..	26·82	167	110
d Manor Park (City of L'dn. Cem.)	The Superintendent	5	0	6	50	22·8	30·93	144	113
d Pitsea Pumping Station	Southend Water Works Co.	5	1	0	28	20·6	28·15	145	114
d Vange (Cromwell Cottage)	Mr. L. Reynolds	5	1	0	83	..	28·10	166	116
d Hornudon (Eastern Sew. Works)	Hornchurch U.D.C.	8	1	6	23	..	28·55	152	115
d Hornchurch	Hornchurch U.D.C.	8	1	3	95	21·0	29·91	172	124
d Waustead (Red Bridge)	Met. Water Board	5	1	0	25	..	28·44	166	113
d Romford (Raphael Park)	Engineer and Surveyor	5	1	0	100	..	29·45	169	120
d Havering-atte-Bower (Fernside)	E. W. Smith, Esq.	5	1	0	340	25·8	35·46	188	138
d South Weald (Rochetts)	G. W. Gardner, Esq.	8	1	10	225	..	31·72	..	115
d Loughton (The Summit)	Dr. F. Stoker	5	0	9	340	..	31·56	188	128
d Theydon Bois (Thriffs Hill)	H. Kemsley, Esq.	5	1	0	245	23·6	28·68?	173	116
d Theydon Bois (Birch Hall)	Mrs. Gerald Buxton	5	1	0	300	23·8	31·46	159	121
d Theydon Bois (The Vicarage)	Mrs. M. C. Ames	5	0	10	240	24·2	29·17	..	..
d Ongar (Wilderness House)	D. A. J. Buxton, Esq., J.P.	5	1	1	170	..	34·61	168	120
d North Weald (Canes)	G. Hart, Esq.	5	1	0	250	24·2	33·52	182	127
3.—CROUCH. 186 sq. mi.									
d Southend (S'thchurch Boulevard)	H. J. G. Ralph, Esq.	8	1	0	66	21·0	27·09	..	..
d Westcliff-on-Sea	Messrs. Boatman, F.S.M.C.	5	1	0	100	20·8	29·09	164	119
d SHOEBURYNESSE	Meteorological Office	5	1	0	11	19·8	26·39	166	111
d Leigh Reservoirs	Southend Water Works Co.	5	1	0	177	20·9	31·58	200	129
d Leigh (Brick House)	Miss I. Bentall	5	0	10	136	..	29·27	155	115
d Eastwood Pumping Station	Southend Water Works Co.	8	1	0	50	21·0	31·73	163	117
d Thundersley (Glenmere Pk. Av.)	H. Mousley, Esq.	5	1	0	250	..	27·49	161	115
d Rochford (Eastwoodbury)	Miss M. Crowley	5	1	0	30	..	29·95	..	..
d Thundersley Reservoir	Southend Water Works Co.	5	1	0	277	21·3	28·94	170	119
d Nevendon Pumping Station	Southend Water Works Co.	5	1	0	43	20·5	28·60	..	..
d Billericay (Prince Edward Rd.)	W. Burton, Esq.	5	1	0	185	..	33·32	174	125
d Billericay (Ramsden Hall)	T. W. Bacon, Esq.	5	0	9	260	23·8	33·40	146	124
d Wickford (Runwell Hall)	Miss A. Kemble	5	0	4	75	24·2	(31·68)	..	..
d Burnham-on-Crouch	T. H. Chambers, Esq.	5	1	0	8	..	28·61	..	109
d Southminster (Dudswell)	Mrs. H. G. Owen	5	1	0	60	20·6	31·82	150	123
d Southminster (The New Moor)	Miss M. A. Attenborough	5	1	6	72	..	30·38	144	124
4.—BLACKWATER. 425 sq. mi.									
d Ingatestone (Trueloves)	W. Ransom, Esq.	5	1	0	249	23·1	32·85	172	118
d Ingatestone (Fryerning)	A. E. Christy, Esq.	5	1	0	290	23·3	33·55	172	120
d Margarettong (Furze Hill)	W. A. Gray, Esq.	5	1	3	200	..	34·69	182	125
d Chelmsford (Longstomps Res.)	The Water Engineer	5	1	0	230	..	33·47	181	131
d Danbury Park Gdns.	The Head Gardener	5	1	6	120	..	34·26	171	123
d Bradwell-on-Sea (Bellropes)	H. D. Chillingworth, Esq.	5	1	6	75	..	33·01	141	112
d MALDON	Town Clerk	5	1	0	14	20·0	31·84	161	110
d CHELMSFORD (County Gardens)	Essex Education Committee	5	1	0	134	22·3	(32·79)	(169)	(121)
d Hatfield Peverel (Rushes Lock)	Southend Water Works Co.	8	1	6	40	..	30·42	174	121
d Langford (Treatment Plant)	Southend Water Works Co.	8	1	5	40	21·8	31·40	173	109
d Witham (Wickham Hall)	D. B. Smith, Esq.	5	0	8	60	20·8	29·55	..	..

DIVISION IV—EASTERN COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.	
			Rim above Ground.	Ground above Sea Level.	Rain-fall.				
ESSEX—(con.).									
		in.	ft. in.	ft.	in.	in.			
4.—BLACKWATER.—(con.)									
d Tolleshunt D'arcy (D'arcy Hall)	C. Weston Eve, Esq.	5	1 0	100	..	31.57	144	113	
d Wickham Bishops	Mrs. Fowler	5	1 4	250	..	33.46	..	95	
d Tolleshunt D'arcy (Oxley Hill)	H. Campkin, Esq.	5	0 9	100	22.0	30.27	173	115	
d Pleshey Vicarage	Rev. C. H. B. Woodd, M.A.	8	1 3	200	22.4	29.84	156	111	
d Terling Place Gdns.	B. May, Esq.	5	1 2	100	..	29.24	156	118	
d Witham (Faulkbourne Hall)	Miss C. L. Parker	5	0 8	100	21.9	30.22	168	107	
d Little Leighs (Lavender Leez)	W. C. Neild, Esq.	5	1 2	192	22.3	30.76	160	123	
d Kelvedon (Inworth Hall)	Miss Powell.	5	1 0	130	..	31.27	..	..
d Kelvedon (Messing Street)	Mrs. Calver	5	2 1	170	..	30.41	140	112	
d Kelvedon (Lawn House)	F. Randolph-Symmons, Esq.	5	1 0	96	23.0	32.03	154	116	
d Rivenhall (Park Gate Farm)	C. T. Richardson, Esq.	5	1 0	149	..	30.26	..	..
d Felsted School	E. H. Lockwood, Esq.	5	1 0	248	22.9	31.94	153	126	
d Little Dunmow (Throws)	Mrs. D. Hasler	5	0 9	276	..	30.82	177	134	
d Great Dunmow	Messrs. Hasler & Co., Ltd.	5	1 0	241	22.9	32.11	153	113	
d Rayne (Staneway)	Mrs. Burt	5	1 6	247	23.0	30.37	160	120	
d Great Bardfield (South Lodge)	A. W. Brunwin, Esq.	5	1 0	250	23.2	29.91	173	123	
d Saffron Walden (Pounce Hill)	S. G. Wall, Esq.	5	1 0	390	..	30.00	197	128	
5.—COLNE & C. 283 sq. mi.									
d St. Osyth (Wigborough Wick)	P. B. Smith, Esq.	5	1 6	10	..	32.99	..	124	
d CLACTON-ON-SEA (Hospital Site)	The Town Clerk	5	1 0	53	20.5	32.91	171	120	
d Great Clacton (Clay Hall)	Miss E. A. Smith	5	1 0	45	20.4	33.62	163	125	
d Tiptree W.W.	S. Essex Waterworks Co.	5	1 0	239	..	30.93	163	116	
d Little Holland (The Sluice House)	Essex Rivers Catchmt. Bd.	5	1 0	7	..	32.64	158	121	
d Colchester (Abberton Reservoir)	S. Essex Waterworks Co.	5	1 1	65	..	31.61	169	113	
d WALTON-ON-NAZE	The Engineer and Surveyor	5	1 0	35	..	30.62	155	109	
d Tending	C. N. Daniels, Esq.	5	1 0	80	..	37.44	139	124	
d Colchester (Hythe Gas Works)	Colchester Gas Co.	8	0 10	12	22.0	28.77	182	111	
d Colchester (Castle Park)	H. Collins, Esq., C.E.	8	1 2	87	..	31.97	170	117	
d Colchester (Waterworks) new g (+ A)	H. Collins, Esq., C.E.	8	1 0	38	..	31.44	170	114	
d Lexden (Cherrywood)	P. W. Partridge, Esq.	5	1 0	120	..	33.19	143	113	
d Lexden (Hill House, S. No. 2)	S. F. Hurnard, Esq.	5	1 0	90	..	31.78	147	109	
d Great Bromley (Broughton)	W. A. Roberts, Esq.	5	1 0	115	23.1	32.31	143	114	
d EARLS COLNE (Grammar School)	The Headmaster	5	1 0	160	..	31.49	162	121	
d Halstead (Attwoods)	R. E. Vaizey, Esq.	5	1 6	200	23.6	33.44	173	126	
d HALSTED (The Brewery)	F. N. Adams, Esq.	5	1 0	140	23.0	32.71	165	125	
d Sible Hedingham (White House)	T. Elrington, Esq.	5	1 0	150	..	31.06	190	126	
d Gt. Maplestead (Easedale)	Miss J. Miller	5	1 0	200	..	30.75	..	..
d Great Yeldham Hall	G. A. Goodchild, Esq.	5	1 6	200	23.1	28.93	180	132	
6.—STOUR. 110 sq. mi.									
d DOVERCOURT	Borough Surveyor, Harwich	5	1 0	47	21.1	30.22	133	108	
d Mistley (The Maltings)	Messrs. Brooks (Mistley) Ltd.	8	1 0	25	22.2	29.05	153	103	
d Nayland (Boxted)	Carter and Blewitt, Ltd.	5	1 0	154	..	32.82	150	113	
d Nayland (Boxted Hall)	T. C. Clark, Esq.*	5	1 0	160	..	30.90	175	132	
d Langham Waterworks	S. Essex Waterworks Co.	5	1 0	44	22.0	29.18	172	108	
d Sudbury (Belchamp Walter)	T. C. Clark, Esq.*	5	1 0	150	..	29.14	..	..
7.—OUSE. 80 sq. mi.									
d Quendon (Rickling)	Messrs. Tinney & Hitchcock	5	1 0	325	..	32.62	167	126	
d Saffron Walden (Dehden Road)	A. Marsh, Esq.	5	1 0	305	..	30.80	171	121	
d Saffron Walden (Bridge End)	R. A. Strong, Esq.	5	1 6	400	..	30.42	187	126	
d Great Chesterford Mills	E. H. King, Esq.	5	1 0	130	22.7	29.91	179	125	
SUFFOLK. (Area, 1,489 sq. mi.).									
1.—STOUR. 271 sq. mi.									
d East Bergholt (Ackworth Ho.)	A. Harwood, Esq.	8	1 0	145	..	29.06	176	116	
d Little Cornard (Moss Cottage)	T. C. Clark, Esq.*	5	1 0	208	..	31.76	182	124	
d Great Cornard (Brook House)	Comdr. I. R. Clover	5	1 0	77	..	30.19	181	115	
d Sudbury (Friars St.)	F. Ransom, Esq.	5	1 6	93	23.2	29.08	192	111	
d Sudbury (Edwardstone)	T. C. Clark, Esq.*	5	1 0	185	..	31.66	162	133	
d Sudbury (Waterworks Stn.)	The Borough Surveyor	5	1 0	131	..	29.49	167	122	
d Hadleigh (Penlands)	E. A. Lee, Esq.	5	1	185	24.4	35.28	192	132	

* Per River Stour (Essex and Suffolk) Catchment Board.

DIVISION IV—EASTERN COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average Rain-fall.	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.	
			Rim above Ground.	Ground above Sea Level.					
SUFFOLK—(con.).			in.	ft. in.	ft.	in.	in.		
1.—STOUR.—(con.).									
d Waldringfield (Holbrook Hall)	Mrs. F. Ramsay	5	1 1	185	23·6	(30·47)	..	(125)	
d Long Melford (Westgate Ho.)	E. F. Colville, Esq.	5	1 0	146	..	29·78	183	131	
d Haverhill	T. C. Clark, Esq.*	5	1 0	270	..	29·76	146	128	
d Clare (Little Wratting)	T. C. Clark, Esq.*	5	1 0	230	..	28·29	168	120	
d Hartest (CHADACRE Agr. Inst.)	The Principal	5	1 0	250	25·1	29·23	174	124	
d Cockfield	T. C. Clark, Esq.*	5	1 0	230	..	30·83	168	129	
2.—ORWELL. 166 sq. mi.									
d Trimley (The Avenue)	R. L. T. Clarkson, Esq.	5	1 0	72	..	36·12	196	125	
d Ipswich (Belstead Hall)	Richard Wilson, Esq.	5	1 0	120	..	29·50	149	103	
d COPDOCK	(+A) F. L. Bland, Esq.	8	1 0	164	23·9	31·47	178	114	
d Ipswich (Colchester Road)	W. J. Glenn, Esq.	5	1 0	145	..	32·27	173	111	
d Ipswich (Museum)	F. M. Cullum, Esq.	8	1 0	72	23·5	28·47	171	111	
d Elmsett (Laurel Cottage)	A. E. Ladbroke, Esq.	5	3 0	210	23·8	32·46	169	115	
d Nettlestead (High Hall)	Mrs. A. S. P. White Cooper	5	1 6	236	23·4	30·76	156	129	
d Coddensham (Cousins Hill)	Miss Tidswell	5	0 6	160	..	33·65	186	133	
d Haughley (Haughley House)	Mrs. S. H. Creagh	5	1 0	180	..	26·15?	160	112	
d Haughley (Pine Lodge)	A. A. Geater, Esq.	5	1 3	131	..	28·87	204	128	
3.—DEBEN & C. 466 sq. mi.									
d FELIXSTOWE AERODROME	(+A) Meteorological Office	8	1 0	10	..	29·26	173	115	
d FELIXSTOWE (Cemetery)	The Engineer & Surveyor	5	1 0	72	..	30·21	157	117	
d Waldringfield	Maioir B. R. M. Glossop	5	1 0	70	23·8	30·44	177	119	
d Ipswich (Daleacre)	C. Harrison-Jones, Esq.	5	1 8	140	..	33·37	189	131	
d Woodbridge Abbey	Col. R. J. Carthew	8	1 0	46	24·3	32·42	166	117	
d Orford (Raydon Cottage)	B. C. M. Johnston, Esq.	5	1 1	30	23·9	26·26	180	121	
d Melton (Greylands)	Miss Jervis-White-Jervis	5	1 6	50	24·3	32·91	178	127	
d Melton (St. Audrey's Hospital)	The Clerk and Steward	8	1 3	90	23·8	34·09	155	122	
d Hasketon (Lowood Hall)	Admiral H. W. Bowring	5	0 10	150	..	32·17	143	107	
d Henley Hall	Mrs. Gascoigne	5	2 0	150	24·5	34·18	187	135	
d Tunstall (Voc. School)	The Headmaster	5	1 3	89	..	35·54	185	138	
d Campsea Ashe (High House)	Viscount Ullswater, G.C.B.	8	1 0	60	23·0	34·56	157	130	
d Aldeburgh (Cob House)	Miss L. Austen-Leigh	5	1 0	50	..	28·36	166	117	
d Charsfield (Ked House)	Hugh P. Youngman, Esq.	5	1 9	150	24·1	33·18	..	..
d Blaxhall	R. H. Sherwood, Esq.	5	1 0	..	23·4	34·16	184	131	
d Aldeburgh (Iken Way)	G. E. Sunderland-Taylor, Esq. . . . .	..	..	..	..	30·08	..	118	
d Snape (Wadd House)	Capt. E. H. Buxton	5	1 0	25	23·5	33·25	162	121	
d Leiston (Daneway)	Mrs. J. M. Gimson	5	1 0	50	..	32·64	177	124	
d Saxmundham	Lt.-Col. C. R. Fryer	5	1 7	50	..	34·47	160	118	
d Saxmundham Exptl. Stn.	E. Suffolk Education Com.	5	1 0	120	..	34·66	..	..
d Leiston (Lower Abbey)	Miss M. K. Rope	5	1 0	30	23·0	32·40	165	124	
d Leiston (Minsmere)	E. Suffolk Riv. Catch. Bd.	5	1 0	7	..	33·25	192	129	
d Heveningham Hall	Hon. A. Vanneck	5	0 7	100	25·5	39·68	166	131	
d Southwold	E. G. Naunton, Esq.	8	1 0	1	..	32·45	174	125	
d Halesworth (Highfield)	Admiral E. F. Bruen, C.B.	5	0 8	90	..	36·10	201	140	
d Halesworth (Estate Office)	G. W. Stanford, Esq.	5	1 5	125	..	34·57	185	129	
d Wrentham (Cuckolds Green)	C. H. Sanders, Esq.	5	1 0	60	..	34·90	181	132	
d Wrentham (Sotterley Hall)	M. E. St. J. Barne, Esq.	5	0 10	40	24·5	35·41	165	128	
4.—YARE & C. 208 sq. mi.									
d Horham Rectory	Rev. J. E. Soden	5	1 3	175	26·7	32·55	192	143	
d BUNGAY (FLIXTON Hall)	Sir Shafto Adair, Bart.	5	1 0	79	23·4	29·30	..	113	
d Bungay (Bridge House)	Mrs. E. T. Aylmer-Coates	5	1 0	22	..	(31·81)	(161)	(124)	
d LOWESTOFT (Secondary School)	The Town Clerk	5	1 0	82	23·5	32·72	177	123	
d Herringfleet House	G. H. Wyllys, Esq.	5	1 0	55	25·2	34·70	199	141	
d Lound Pumping Station	Lowestoft Water & Gas Co.	8	1 0	33	24·0	31·43	174	133	
d Hopton (Hopton House)	Col. F. E. Walker, D.S.O.	5	0 7	75	..	31·75	154	132	
d Fritton Warren	Miss V. M. Upcher	5	1 0	42	25·9	33·44	159	133	
d Fritton Hall	Major A. R. Buxton	8	0 11	30	24·7	32·02	183	128	
d Yarmouth (Burgh Hall)	H. P. Frederick, Esq.	5	1 0	40	24·9	36·59	197	135	
5.—OUSE. 378 sq. mi.									
d Newmarket (Sewage Outfall)	W. H. Eley, Esq., C.E.	5	1 0	81	23·2	27·35	164	122	

* Per River Stour (Essex and Suffolk) Catchment Bd.

§ Turf wall round gauge.

DIVISION IV—EASTERN COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average		Rain-	Days	Days
			Rim	Ground	above	fall.	fall.	with	with
			above	Sea Level.	Ground.			or	or
								more.	more.
SUFFOLK—(con.).									
5.—OUSE.—cont.									
		in.	ft.	in.	ft.	in.	in.		
Bury St. Edmunds (Westley Hall) . Mrs. Burrell		5	1	0	226	25·1	35·93	159	145
Bury St. Edmunds (Barton Lodge) . S. Cox, Esq.		5	0	7	250	..	31·65	162	130
Hengrave Hall	Sir John Wood, Bart.	5	1	5	85	22·9	31·73	165	153
Bury St. Edmunds (Troston Hall) . F. S. Beauford, Esq.		5	1	0	130	23·0	29·37	168	115
MILDENHALL Aerodrome	(+A) Meteorological Office	8	1	0	15	..	25·87	175	118
Isleham Lock	Gt. Ouse Catchment Bd.	5	..	..	10	..	27·61	163	125
Barnham (The Beeches)	Miss A. K. Lingwood	5	0	9	136	22·6	27·64	..	..
Elveden Hall	The Earl of Iveagh, C.B.	5	1	0	130	23·9	27·64	203	136
NORFOLK. (Area, 2,041 sq. mi.).									
1.—YARE. 658 sq. mi.									
Diss (The Cedars)	Dr. G. O. B. Vincent	5	0	8	108	..	29·91	154	115
Diss (Roydon Hall)	R. S. Copeman, Esq.	5	1	0	150	..	29·64	179	133
Harleston (Dove House)	B. R. S. Pemberton, Esq.	5	0	10	150	..	32·45	201	137
Pulham St. Mary (Brook House)	E. Beevor, Esq.	5	1	0	125	..	32·05	173	122
Harleston (Starston)	A. L. Taylor, Esq.	5	0	10	120	..	32·01	..	..
Pulham St. Mary (Hill House)	W. G. Rutter, Esq.	5	1	0	120	24·7	32·56	196	128
Denton Lodge	Lt.-Col. C. A. Kemball	5	0	7	90	..	31·20	177	132
Ditchingham	W. G. Rutter, Esq.	5	1	0	25	23·9	34·41	200	125
Ashwellthorpe (Tacolneston Hall)	C. H. Walter, Esq.	5	1	0	..	..	35·08	190	141
Beccles (Raveningham Hall)	N. H. Bacon, Esq.	5	1	6	60	24·6	32·21	153	124
Hapton Parsonage	Sir Lt.-Col. H. C. Copeman Bt.	5	1	0	120	..	31·74	181	137
Spooner Row (School)	Owen Potter, Esq.	5	1	0	160	..	30·85	209	128
Lodden (Chedgrave Manor)	C. E. Dupuis, Esq.	5	1	6	17	24·2	28·93	182	134
Wymondham (Morley School)	T. E. Ormond, Esq.	5	1	0	157	25·3	32·88	199	135
Wymondham	J. B. Pomeroy, Esq.	5	1	3	118	..	34·62	188	139
Ketteringham	Lt.-Col. R. F. Boileau	5	1	3	135	..	34·72	224	133
GORLESTON (C. G. Station)	Station Officer (M.O.)	8	1	0	5	24·5	30·19	170	124
Norwich (Carrow Abbey Gdns.)	The Misses Colman	5	1	0	41	25·2	34·71	187	127
Norwich (Southwell Lodge)	J. H. Willis, Esq.	5	1	0	110	25·9	32·05	185	127
Norwich (Heigham Cemetery)	L. Alan Jewell, Esq.	5	1	2	93	25·5	34·07	176	127
Thorpe St. Andrew (Pine Banks)	H. J. Jarrold, Esq.	5	1	7	140	..	29·84	163	118
Norwich (Marlingford Hall)	Major E. H. Evans-Lombe	5	1	0	50	26·9	31·23	175	..
Norwich (Catton Hall)	D. G. Buxton, Esq.	5	1	0	100	..	31·77	178	125
Sprowston (Oak Lodge)	A. Cozens Hardy, Esq.*	5	1	0	100	25·2	31·54	193	124
Wendling (Astrantia)	A. H. Turner, Esq.	5	1	7	170	..	34·93	(209)	(140)
Taverham (Deighton Hills)	T. B. Norgate, Esq.	5	1	3	100	..	(31·52)	(164)	(119)
Swanton Morley Rectory	Rev. R. N. Usher	5	1	0	105	24·3	34·04	158	137
Bylaugh Park	Mrs. Rice	5	1	0	..	24·8	34·57	188	133
Swanton (Heath House)	P. Norgate, Esq.	5	1	3	101	25·6	33·38	188	133
Cawston (The Poplars)	H. A. Wells, Esq.	5	0	8	148	26·6	32·47	181	130
East Rudham (Pinkney Hall)	Mr. A. E. Graver . . . . .	..	1	6	130	..	33·44	..	..
Fakenham (Kettlestone Rectory)	Rev. H. N. Edge	5	1	0	181	..	34·71	179	132
2.—YARE—Bure & c. 368 sq. mi.									
Norwich (SPROWSTON, Church Farm) Director, Norfolk Ag. Stn.		5	1	0	93	..	32·13	182	121
Yarmouth (Ormesby St. Michael)	Gt. Yarmouth W.W. Co.	8	1	0	22	26·2	29·96	210	128
Yarmouth (Scraby)	Harvey Palmer, Esq.	5	1	0	70	..	31·09	190	126
Coltishall Hall	Rev. H. Rogers	5	1	6	25	25·5	31·73	179	125
Wroxham (Hoveton House)	Mrs. I. C. Blofeld	5	1	0	100	..	32·24	183	134
Buxton (Sunnymead)	W. S. Tillett, Esq.	8	1	0	50	..	31·34	205	127
Hevingham (Rippon Hall)	Rev. A. F. Marsham*	5	0	7	90	26·4	31·44	..	136
Aylsham (Woodgate Ho.)	Lt.-Col. P. W. Purdy*	5	1	0	100	..	32·34	167	134
Worstead (Lyngate Cottage)	Miss F. E. Hooper	8	1	6	50	26·5	31·50	175	128
Aylsham (West End Lodge)	Dr. C. L. Maingay	5	0	8	90	..	30·95	177	119
Aylsham (Wilderness)	J. Peed, Esq.	5	1	0	80	..	33·29	167	134
Hindolveston (School House)	The Headmaster	5	1	0	300	23·2	33·51	192	140
North Walsham (The Paston Sch.)	Major P. Pickford	5	1	0	100	..	29·60	184	125
North Walsham (Worstead Lo.)	F. J. Frostick, Esq.	5	1	2	170	..	29·65	181	122
Melton Constable Park	The Head Gardener	8	0	11	287	..	33·83	183	137
Walcott-on-Sea	Lt.-Col. R. S. Hunt, D.S.O.	5	2	0	17	..	26·35	172	125
Hanworth Rectory	Rev. Wilson W. White	5	0	10	100	..	29·13	194	137

DIVISION IV.—EASTERN COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.			
			Height of Rim above Ground.	Ground above Sea Level.	Average Rain-fall.	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.	
NORFOLK—(con.).		in.	ft.	in.	ft.	in.	in.		
3.—STIFFKEYS & C. 290 sq. mi.									
d Sandringham House Gardens	Mr. C. H. Cook	5	1	0	121	27·0	30·77	184	152
d Snettisham (The Hollies)	Dr. P. G. E. Jolley	5	0	7	47	..	26·82	158	125
d Mundesley	E. H. Wood, Esq.	5	1	0	150	..	28·82	160	120
d Holt (Holt Lodge)	The Hon. W. H. Lascelles	5	1	0	210	..	30·32	173	133
d Cromer (Northrepps Hall)	Lt.-Col. C. R. Gurney	5	1	2	226	26·7	30·79	173	139
d Cromer (Howards Hill)	Clerk to the U.D.C.	8	1	0	178	23·8	26·69	183	118
d West Runton	Miss J. Vernon-Harcourt	5	1	0	113	..	27·90	151	110
d Sheringham Hall	H. E. S. Upcher, Esq.*	5	0	9	136	23·6	27·49	..	..
d Sheringham (Skelding)	F. Hall Smith, Esq.	5	1	0	70	..	27·04	179	122
d Sheringham (Sheringham Ho.)	Rev. E. C. S. Upcher	5	1	6	150	..	26·18	184	136
d Wells (Holkham Hall)	Earl of Leicester, G.C.V.O.	5	0	3	43	23·1	27·84	..	..
d Hunstanton (Le Strange Arms H'l.)	Capt. C. E. Gray	5	0	10	20	..	24·29	151	114
d HUNSTANTON	The Advancement Assn.	5	1	1	105	..	25·14	168	121
d Holme-next-Sea (Holme Ho.)	Mrs. S. C. Reed	5	1	0	..	..	25·37	155	114
4.—OUSE & C. 709 sq. mi.									
d Garboldisham Manor	Major E. W. Denny, D.S.O.	8	1	0	70	23·2	27·58	202	127
d Thetford (Kilverstone Hall)	Baron Fisher of Kilverstone	8	1	0	70	21·7	29·65	190	127
d Thetford Waterworks	C. W. Holmes, Esq.	8	1	0	165	23·8	29·04	209	133
d Attleborough (Quidenham Hall)	Earl of Albemarle	5	1	0	100	24·1	31·39	142	122
d THETFORD (LYNFORD NURSERY)	Forestry Commission	5	1	0	99	..	28·77	182	122
d Old Buckenham (The Grange)	W. D. Haughton, Esq.	5	1	1	180	..	30·8	168	128
d Brandon (Lynford Hall)	Sir James Calder	5	0	10	50	..	29·37	160	124
d Methwold (Duchy of Lincs. Sch.)	The Headmaster	5	0	9	50	..	32·05	213	130
d Attleborough (Breccles Hall)	J. E. Fitt, Esq.	5	1	0	..	..	33·19	..	..
d Buckenham (Tofts Hall)	The Head Gardener	5	1	3	50	..	30·99	159	128
d Caston (Flaxmoor)	Lt.-Col. T. S. N. Hardinge	5	1	0	150	..	33·00	183	126
d Watton (Merton Hall)	Sir C. S. B. Renshaw	5	1	0	153	..	30·10	131	110
d Watton	E. H. Codling, Esq.	5	1	0	200	25·7	31·95	176	130
d Denver Sluice	Gt. Ouse Catchment Bd.	5	1	7	10	..	27·69	195	125
d Great Cressingham	J. W. Montgomery, Esq.	5	1	2	90	..	31·24	179	134
d Denver (Crow Hall)	C. A. F. Wingfield, Esq.	5	0	6	100	..	25·82	154	115
d Downham (Dial House)	Messrs. T. H. Wenn & Co.	5	1	6	..	..	27·56	181	128
d Downham Market <i>new g.</i>	J. W. Jackson, Esq.	5	1	6	112	..	26·95	185	122
d Outwell (Well Creek Sluice)	Major R. G. Clark, C.E.	8	2	6	16	22·0	23·34	..	110
d Emneth (Inglethorpe Manor)	Miss R. Bland	5	1	0	6	22·5	25·24	170	134
d Swaffham	Messrs. Vynne & Everett, Ltd.	5	2	7	210	..	33·36	149	123
d King's Lynn (Wormegay School)	H. H. Tyrell, Esq.	5	1	0	26	..	26·30	..	..
d Narborough Hall	F. H. Ash, Esq.	5	1	0	45	..	29·20	174	136
d Kings Lynn (Narford)	G. F. Attwood, Esq.	5	1	0	53	..	29·55	166	132
d Wigganham (St. Germans Sluice)	Major R. G. Clark, C.E.	8	1	6	9	23·1	30·48	139	128
d East Winch (Holland House)	J. C. Cottam, Esq.	5	1	6	55	23·3	26·33	161	125
d TERRINGTON St. Clement (C. Sch.)	Horticultural Supt. Norfolk C.C.	5	1	0	12	..	(24·75)	(155)	(124)
d Gayton Waterworks	J. C. Matthew, Esq., C.E.	5	1	0	131	..	24·57	155	126
d King's Lynn (Manure Works)	J. S. Brown, Esq.	5	1	2	0	..	22·95?	150	110
d Grimston (School House)	J. R. Steward, Esq.	5	1	2	62	..	27·68	198	127
5.—NENE. 16 sq. mi.									

DIVISION V—SOUTH-WESTERN COUNTIES.

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

1.—LOWER AVON. 383 sq. mi.

d Maiden Bradley	R. Luff, Esq.**	4	3	0	600	..	44·55	167 149
d Horningsham (The Nursery)	The Head Forester	5	0	9	500	..	42·56	214 159
d Westbury (Penleigh House)	Major G. M. Atkinson	5	1	0	220	..	36·31	161 134
d Westbury (Wellhead)	The Waterworks Engineer	5	1	0	321	..	33·73	183 130
d Westbury (Braemar)	Mrs. F. D. Richards	5	1	0	250	..	35·80	182 132

*Per Norfolk Rainfall Organisation.

†Turf wall round gauge.

**Per Mid-Wessex Rainfall Association.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain-fall.	1939.				
			Height of Rim above Ground.	Ground above Sea Level.	Rain-fall.		Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.		
WILTSHIRE—(con.).			in.	ft.	in.	ft.	in.	in.			
1.—LOWER AVON—(con.)											
d West Lavington (Dauntsey's Sch.)	B. W. H. Coulson, Esq.	5	0	11	300	..	34·88	172	140		
d Market Lavington (Old House)	Miss A. Pleydell Bouverie	5	0	9	290	29·0	34·17	181	145		
d Easterton (Kestrels)	R. Lake, Esq.	5	1	0	370	..	33·79	173	128		
d Trowbridge (Town Hall)	The Engineer	8	0	10	131	..	29·82	159	124		
d Bradford on Avon (Iford Manor)	Major J. Michael Peto	5	1	1	101	..	36·37	183	142		
d Bradford on Avon (Manvers Ho.)	Dr. C. E. S. Flemming	5	1	3	130	29·9	36·35	191	141		
d Seend (Cleeve House) (R)	Mrs. Heward Bell	8	1	0	160	27·5	30·29	186	132		
d Holt (The Ketrete)	A. T. M. Beaven, Esq.	5	1	0	144	30·3	33·44	185	139		
d Seend (Ferrum Towers)	Mrs. A. G. Haigh	8	1	3	200	..	32·50	181	133		
d Devizes (Broadleas)	W. H. L. Ewart, Esq.	5	1	7	400	..	33·46	179	138		
d Devizes (Nursteed)	T. H. Thornely, Esq.	5	1	2	390	..	31·23	181	138		
d Rowdeford Gardens	Mrs. R. E. S. Thomas	5	1	6	..	..	31·03	164	129		
d Great Chalfield	Major R. F. Fuller	5	1	2	165	28·6	33·49	175	138		
d Bowood House	The Marquess of Lansdowne, K.G., P.C.	5	0	4	308	..	35·11	174	132		
d Calne (Castle Walk)	P. W. Phillips, Esq.	5	1	0	..	..	36·20	175	138		
d Calne (Compton Bassett Gdns.)	Mr. R. Devening	5	0	10	324	30·7	35·18	159	134		
d Chippenham Water Works	The Borough Surveyor	5	1	2	144	..	36·30	197	137		
d Chippenham (Monkton Park)	Lord Methuen	5	1	7	200	..	34·68	174	136		
d Chippenham (Kington Langley)	Mrs. Charles Garnett	8	1	0	172	30·3	33·98	..	..
d Wroughton (Basset Down Ho.)	Mrs. Arnold Forster	5	1	0	500	29·8	36·73	196	142		
d Tockenham Manor	Major G. J. Buxton	5	1	6	400	..	36·10	185	138		
w Luckington Court	Col. Sir E. Johnson-Ferguson, Bt.	5	0	8	400	30·2	33·97	..	..
d Sherston School	The Headmaster	5	1	0	375	..	36·35	167	139		
d Malmesbury (Lea House)	Rev. H. Milnes-Walker	5	1	6	280	..	32·86	152	129		
2.—STOUR. 33 sq. mi.											
d Mere (Charnage)	W. G. B. White, Esq.	5	1	0	426	33·8	39·63	..	147		
d Stourhead	Sir H. H. A. Hoare, Bart.	5	1	2	583	38·1	45·82	209	148		
d Kilmington Rectory	Rev. H. G. Fox Strangways*	5	1	0	710	39·8	50·35	228	163		
3.—EAST AVON. 554 sq. mi.											
d Broad Chalk	Mrs. H. N. Burroughes	5	4	1	362	..	42·05	197	149		
d Salisbury (Bishopstone Rectory)	Rev. G. W. Borlase	5	1	6	250	..	41·58	190	144		
d Longford Castle Gardens	The Earl of Radnor	5	1	0	139	31·4	40·20	185	144		
d Salisbury (Harnham)	E. F. Taunton, Esq., Junr.	5	1	0	200	..	40·21	213	153		
d Salisbury (Folkestone Rd.)	M. A. Chaplin, Esq.	5	0	8	180	..	39·64	172	141		
d Fonthill House Gardens	Hugh Morrison, Esq.	5	1	0	400	37·8	42·76	191	154		
d Salisbury (Sewage Works) (+A)	S. R. Little, Esq., C.E.	8	1	0	147	..	34·41	165	136		
d Salisbury (Manor Road)	Miss L. C. D. Awdry	5	1	0	250	29·2	36·15	203	145		
d Salisbury (Atherton House)	Wilfrid Fletcher, Esq.	5	1	0	250	30·4	35·92	181	135		
d Salisbury (Newlands)	Dr. T. W. Newton Dunn	5	1	0	200	..	35·36	160	135		
d Wilton (Stone Lodge)	Major B. W. Parker	5	1	6	175	..	39·71	179	142		
d Stratford sub-Castle (Manor Ho.)	Miss F. Carpenter	5	0	9	168	28·3	35·38	173	130		
d Woodford Vicarage	Rev. M. I. Holme	5	0	10	200	..	35·32	215	135		
d PORTON (W.D. Exp'l. Stn.) (+A)	Meteorological Office	5	0	11	363	26·5	33·15	174	129		
d Steeple Langford (Woodstock)	Miss A. J. Powell	5	1	0	257	..	35·34	181	137		
d Wylve (Fisherton de la Mere)	Major F. N. Jeans	5	0	8	339	..	37·58	..	145		
d Maiden Bradley House	The Duke of Somerset	5	1	0	620	38·4	44·02	..	135		
d AMESBURY (BOSCOMBE DOWN Aero)	(+A) Meteorological Office	8	1	0	417	..	33·30	176	135		
d Warminster (Crockerton P.S.)	W. H. Edwards, Esq.	5	1	0	460	..	42·73	..	144		
d Heytesbury	Dr. Hammond T. Hinton	5	1	0	300	31·7	33·04	180	145		
d Warminster (Sambourne House)	A. H. Harraway, Esq.	5	1	0	450	..	37·67	184	146		
d Warminster (Henford)	Mrs. Robinson	5	1	8	400	..	39·23	201	155		
d Warminster (The Croft)	Rev. T. Lloyd Herbert	5	0	7	420	..	36·11	198	148		
d Warminster (St. John's Lodge)	D. Vesey, Esq.	5	1	6	400	..	39·13	183	155		
d LARKHILL (School of Artillery)	Meteorological Office	5	1	0	440	25·5	30·79	182	131		
d Warminster (Smallbrook Ho.)	G. E. Vicary, Esq.	5	0	8	420	..	37·31	199	142		
d Shrewton (Maddington)	F. J. Wardale, Esq.	5	0	9	265	..	32·92	184	137		
d Pewsey (Wilcot Manor)†	Lady Ernest St. Maur	5	1	0	400	..	33·87	..	..

* Per Mid-Wessex Rainfall Association.

† Station formerly called Marlborough (Wilcot Manor).

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.				
			Height of		Average Rain- fall.	Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.		
			Rim above Ground.	Ground above Sea Level.						
WILTSHIRE—(con.).			in.	ft.	in.	ft.	in.	in.		
3.—EAST AVON—(con.).										
d Pewsey (Oare)	Miss M. F. Peall	5	2	6	500	..	35·51	198	139	
d Bishops Cannings	A. J. Combes, Esq.	5	1	0	446	30·3	36·31	203	144	
4.—TEST. 77 sq. mi.										
d Landford (Northlands)	Cedric R. Boulton, Esq.	5	1	0	180	30·7	36·91	177	136	
d Ludgershall (Conholt Park)	E. A. Wigan, Esq.	8	1	0	800	33·9	41·33	202	147	
5.—THAMES—Kennet. 169 sq. mi.										
d Bishops Cannings (Shepherds Shore)	Devizes Gas & Water Dept.	8	2	1	564	..	34·92	190	142	
d MARLBOROUGH College	The Headmaster	5	1	1	424	31·1	39·43	192	146	
d Marlborough (Cardigan Rd.)	Mrs. M. O. Kinder	5	1	3	550	..	38·07	..	..
d Aldbourne (Manor House)	Capt. W. Brown, J. P.	5	1	0	435	..	39·29	207	158	
6.—THAMES—Cole & c. 154 sq. mi.										
d Chiseldon (The Manor House)	Mrs. Waugh	5	1	1	550	..	39·63	169	139	
d Wroughton (Swindon W.W.)	J. B. L. Thompson, Esq., C.E.	5	1	3	448	..	35·97	176	144	
d Chiseldon (Hodson House)	A. Ashford, Esq.	5	0	9	560	29·0	35·13	178	142	
d Swindon (Osborne St.)	H. Cook, Esq.	5	1	0	322	..	31·49	177	127	
d Swindon (Town Gardens)	J. B. L. Thompson, Esq., C.E.	5	1	4	471	27·5	32·25	189	137	
d Purton (Restrop House)	Col. A. Canning	5	1	3	444	27·7	34·74	170	140	
d Purton (Modern School)	The Headmaster	5	1	0	395	..	33·17	174	149	
d Fairford (Marston Hill)	Maj. R. Hamilton Stubber	5	0	10	350	..	34·63	..	136	
DORSETSHIRE. (Area, 983 sq. mi.).										
1.—PARRETT. 61 sq. mi.										
d Evershott (Melbury House)	Mr. W. G. Lee	5	2	0	460	38·7	48·71	168	143	
d Chedington Court	Sir Henry Peto, Bart.	8	1	0	605	38·5	45·91	173	138	
d Sherborne Castle	Mr. Edwin Hill	5	1	0	195	32·5	37·88	184	138	
d Sherborne (Barton Gardens) new g.	C. E. Bean, Esq.	8	1	0	285	..	36·35	180	145	
d Sherborne (Castleton)	Reading T. Grantham, Esq.	5	1	6	200	31·8	38·55	..	122	
2.—AXE. 25 sq. mi.										
d Broadwindsor (Blackdown Ho.)	Lt.-Col. E. Harris-St. John	5	1	0	600	40·8	46·93	207	149	
d Thorncombe (Greenhill)	Mrs. A. D. Wilde	5	0	9	575	..	46·15	195	149	
d Forde Abbey	G. D. Roper, Esq.	5	0	10	200	37·7	44·33	181	147	
3.—FROME & C. 501 sq. mi.										
d PORTLAND BILL (Lighthouse)	Lightkeeper (M.O.)	8	1	0	32	25·2	29·81	156	123	
d Easton (Tophill School)	The Headmaster	5	0	10	280	..	32·03	171	129	
d Corfe Castle (Encombe)	The Hon. Sir Ernest Scott, K.C.M.G.	5	1	0	200	..	38·91	..	132	
d Weymouth (Lansdowne Villa)	Paym.-Capt. T. Seaman, R.N.	5	7	0	100	..	34·89	173	135	
d WEYMOUTH (Westham)	Borough Electrical Engineer	5	1	0	16	28·0	35·04	171	128	
d Weymouth (Springfield)	Major J. H. C. Devenish	5	1	3	96	27·9	34·26	198	130	
d SWANAGE	The Clerk to the U.D.C.	5	1	0	14	..	38·83	167	126	
d Chickerell (Lower Putton)	A. H. White, Esq.	5	1	0	45	..	34·09	168	133	
d Steeple (Manor House)	Major F. H. Swann	5	0	8	231	34·8	42·55	195	159	
d Corfe Castle (Yondover)	C. K. Crowther, Esq.	8	0	9	140	..	42·67	175	139	
d Creech Grange	J. W. G. Bond, Esq., C.B.	5	1	0	228	37·1	44·06	192	134	
d Langton Herring (Higher Farm)	E. A. Sparks, Esq.	5	1	0	170	..	37·08	188	151	
d Winfrith Rectory	Rev. C. S. Pugh	5	3	0	200	..	42·26	182	131	
d Abbotsbury (West Street)	J. C. P. White, Esq.	5	1	6	147	29·2	37·06	176	141	
d Abbotsbury (West End)	The Earl of Ilchester	8	1	6	100	..	39·47	..	134	
d Upwey (Friar Waddon)	R. Davison, Esq.	5	1	0	215	..	45·36	199	154	
d Upwey (Higher Well)	R. Davison, Esq.	8	1	0	289	..	41·58	202	148	
d Warmwell	Weymouth W. W. Co.	5	1	0	134	..	42·96	..	137	
d Wareham (East Holme)	Miss L. S. Bond	5	1	0	23	33·9	43·41	176	135	
d Wareham (The King's Barrow)	Major R. Feilden	5	1	4	15	34·6	42·83	183	133	
d Wareham (Binnegar Hall)	Mr. J. W. Hayward	5	1	0	65	33·8	41·57	206	135	
d Wareham (Stockford)	W. Bond, Esq.	8	1	0	65	33·4	40·66	190	132	
d Wareham (Trigon)	Mrs. L. Sturdy	8	1	4	60	32·1	39·84	177	129	

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average Rain-fall.	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.	
			Rim above Ground.	Ground above Sea Level.					
DORSETSHIRE—(con.).			in.	ft. in.	ft.	in.	in.		
3.—FROME & C.—(con.).									
D Dorchester (Littlemayne)	E. R. Sykes, Esq.	5	1	0	200	..	42·23	191	144
D Burton Bradstock (White Ho.)	Maj. J. M. Wratlaw	5	1	0	50	..	33·86	170	131
D Dorchester Waterworks	H. D. Strange, Esq	8	1	0	314	36·6	44·12	185	142
D Dorchester (Stinsford)	J. Wyndham Hull, Esq.	5	1	0	207	37·4	42·00	177	133
D Dorchester (Birkin House)	Mrs. Weber	5	1	0	230	37·4	45·00	175	142
D Bradford Peverell House	H. F. Middleton, Esq.	5	1	0	370	..	48·05	191	146
D POOLE	(+A) Medical Officer of Health	5	1	0	18	..	37·51	168	129
D Poole (Pitwines Gasworks)	P. G. G. Moon, Esq.	8	1	0	8	..	38·14	164	133
D Poole (HOLTON HEATH R.N.Cordite Fac.)	The Superintendent	8	1	0	64	..	33·63	181	133
D Parkstone (Balmoral Rd.)	Mrs. P. V. Hall	5	0	8	..	..	40·72	208	134
D Parkstone (Firgrove)	F. R. Wadman, Esq.	5	1	3	175	28·6	33·45	196	135
D Parkstone (Chevington Croft)	Col. E.C.Castleman-Smith, C.B.	5	0	10	200	..	35·94	..	..
D Parkstone (St. Osmund's Road)	A. D. Stables, Esq.	5	1	3	60	32·2	40·50	157	139
D Parkstone (The Laurels)	J. N. Blanchard, Esq.	5	1	2	115	..	38·58	172	132
D Charminster (Brooklands)	K. P. Druce, Esq.	5	0	10	200	..	48·65	181	146
D Branksome (Bourne Valley)	P. G. G. Moon, Esq.	8	1	3	84	30·0	36·65	174	129
D Branksome (Alderney Res.)	P. G. G. Moon, Esq.	8	1	3	213	..	38·91	199	128
D Broadstone (Sewage Works)	J. Bantten, Esq.	5	1	0	26	29·2	38·44	166	129
D Lyme Regis (Horn Bridge)	E. T. Stoward, Esq.	5	1	0	83	33·2	41·47	184	146
D Lyme Regis (Rotherfield)	Rev. E. J. Synge	5	1	0	145	34·3	41·13	205	145
D Lyme Regis (Overton)	C. Wanklyn, Esq.	5	0	10	400	30·9	39·07	216	145
D Bridport (Coneygar)	Bridport Waterworks Co.	5	1	0	110	32·9	39·01	185	152
D Bridport (Symondsburry)	P. G. Fry, Esq.	5	1	0	83	..	39·34	183	148
D Bridport (Ryall)	W. T. Bridges, Esq.	5	1	6	460	..	43·76	189	150
D Puddletown Vicarage	Rev. Canon A. L. Helps	5	4	6	200	35·8	44·18	182	142
D Bere Regis (Barrow Hill)	A. E. Lucas, Esq.	5	1	0	120	32·9	40·25	168	131
D Bere Regis (Bloxworth House)	F. G. A. Lane, Esq.	5	1	6	118	33·7	42·20	166	131
D Lytchett Matravers (Kit Robins)	H. Blanchard, Esq.	5	1	0	300	..	40·01	179	134
D Lytchett Matravers (Forest Hill)	A. J. Russell, Esq.	8	1	0	300	32·5	40·64	..	126
D Wynford House	Lt. Col. Lord Wynford, D.S.O.	5	1	0	410	43·5	55·44	223	162
D Netherbury (The Chantry)	Lt.-Col. H. L. Kitson	5	1	0	150	35·2	45·10	189	151
D Beaminster (East Street)	W. A. Stiby, Esq.	5	1	0	183	37·6	45·65	188	144
D Cerne Abbas (Long Street)	Capt. G. Jensen	5	0	8	375	..	50·68	197	154
D Evershot (Stickland's Sch.)	The Headmaster	5	0	10	550	..	50·15	216	156
4.—STOUR. 384 sq. mi.									
D Lytchett Matravers Cl. School	The Headmaster	5	1	6	360	..	42·83	178	134
D Broadstone (Grange Rd.)	R. Nimmo, Esq.	5	1	0	160	..	43·14	192	129
D Wimborne (Corfe Mullen W.W.)	G. V. Sparrow, Esq., C.E.	5	1	0	81	32·9	40·67	163	129
D Sturminster Marshall	H. L. Barnes, Esq.	8	1	0	85	32·6	41·67	..	136
D Wimborne (Stapehill)	W. J. Marchant, Esq.	5	1	0	95	..	38·92	178	138
D Wimborne (Walsford Bridge P.S.)	P. G. G. Moon, Esq.	8	1	3	70	..	41·68	174	136
D Wimborne (Melbury Lodge)	Rev. W. S. Clarke	5	1	6	150	..	42·40	171	144
D Blandford (King's Road)	D. Blanchard, Esq.	5	1	0	195	..	43·51	182	131
D Blandford (Bryanston Gdns.)	Mr. J. Jaques	5	1	0	185	..	44·01	172	143
D Blandford (Bryanston School)	Rev. G. A. K. Hervey	5	1	0	280	..	46·02	182	131
D Blandford (Letton)	Brig.-Gen. B. F. B. Stuart, C.M.G.	8	1	7	207	..	43·44	186	140
D Glanville's Wootton (Manor Ho.)	H. B. Debenham, Esq.	5	0	9	350	35·2	38·91	197	144
D Holwell (Little Westrow)	Miss H. B. Warry	5	1	0	252	34·4	35·78	174	143
D Wimborne St. Giles (St. Giles Ho.)	The Earl of Shaftesbury, K.P.	5	1	0	165	33·4	43·65	165	143
D Child Okeford Manor	J. H. L. Glasbrook, Esq.	5	1	0	250	..	40·23	171	135
D Iwerne Minster (Preston House)	Major H. W. Aston	5	1	0	220	33·2	40·02	169	139
D Iwerne Minster Vicarage	Rev. R. A. Bond	5	1	3	234	..	38·77	173	140
D Sturminster Newton	Louis Dawes, Esq.	5	1	0	225	..	37·27	184	148
D Iwerne Minster (West Lodge)	Col. H. S. Woodhouse	5	1	1	600	..	45·13	197	152
D Fontmell Magna (Glebe Cottage)	Dr. J. Appleyard	5	0	10	300	..	36·37	167	134
D Shaftesbury (St. Margaret's Marsh)	G. W. Payne, Esq.	5	2	2	180	..	36·53	..	..
D Pentridge (Cobley)	F. B. Eastwood, Esq.	5	1	6	500	..	40·75	..	..
D Fifehead Magdalen	H Wells, Esq.	5	0	9	500	..	37·88	203	139
5.—EAST AVON. 12 sq. mi.									

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain- fall.	1939.		
			Height of		ft.		in.	Days with ·01 in. or more.	Days with ·04 in. or more.
			Rim above Ground.	Ground above Sea Level.					
SOUTH DEVONSHIRE. (Area, 1,707 sq. mi.)							in.	ft.	in.
1.—PARRETT. 7 sq. mi.									
2.—TAMAR & C. 395 sq. mi.									
d Plymouth (Boveysand Lodge)	Capt. J. J. Case	5	1	6	75	34·1	39·53	..	131
d § PLYMOUTH (MT. BATTEN AERO.) (+A) Meteorological Office		8	1	0	82	..	39·59	184	136
d Plymouth (Eastern Kings)	Comdr. J. M. Scott, R.N.	5	1	0	80	..	41·35	182	142
d PLYMOUTH (THE HOE) The Corpn. (Messrs. G. H. Ivory & Partners) 8		5	1	0	117	36·7	41·43	197	136
d Plymouth (Drake's Reservoir)	A. Atkinson, Esq., C.E.	5	1	0	149	37·5	37·67	176	136
d Plymouth (Freedom Pk.) The Corpn. (Messrs. G. H. Ivory & Partners) 8		5	1	0	203	39·4	41·59	197	144
d Devonport (Rowdens Res.)	A. Atkinson, Esq., C.E.	5	1	0	201	35·1	38·78	179	140
d Plymouth (Hartley Reservoir)	A. Atkinson, Esq., C.E.	5	1	0	321	39·9	47·25	195	158
d Bickleigh (Roborough Reservoir)	A. Atkinson, Esq., C.E.	5	1	0	548	46·2	52·65	209	161
d Lee Moor House	R. Martin, Esq.	8	1	0	900	62·4	64·58	212	182
d Roborough (Maristow Gdns.)	F. A. Tuck, Esq.	5	1	0	60	..	55·95	199	168
d Sheepstor (Redstone)	A. Atkinson, Esq., C.E.	5	1	0	760	59·0	67·35	217	183
d Sheepstor (Burrator)	A. Atkinson, Esq., C.E.	5	1	0	755	59·1	63·48	214	179
d Sheepstor (Head Weir)	A. Atkinson, Esq., C.E.	5	1	0	720	57·0	67·51	214	185
d Dousland Reservoir	A. Atkinson, Esq., C.E.	5	1	0	721	51·8	64·71	209	180
m Dartmoor (Deancombe Farm)	A. Atkinson, Esq., C.E.	5	1	0	807	..	71·05	..	..
d Yelverton (Yarrow-Dousland)	R. R. Brown, Esq.	5	0	8	700	..	65·25	216	174
d Yelverton (Uppaton)	Com. J. P. Burton, R.N. (retd.)	5	1	0	605	..	55·42	211	177
d Dartmoor (Lowery)	A. Atkinson, Esq., C.E.	5	1	0	899	..	64·98	217	184
m Dartmoor (Leather Tor Farm)	A. Atkinson, Esq., C.E.	5	1	0	910	59·0	67·95	..	..
m Dartmoor (Siward's Cross)	A. Atkinson, Esq., C.E.	5	1	0	1074	60·7	71·05	..	..
d Whitchurch (Grenofen)	H. Chichester, Esq.	5	1	2	325	46·1	57·32	223	186
d Whitchurch (Langstone)	F. J. R. Coleridge, Esq.	5	1	0	700	51·4	60·06	200	176
d Whitchurch (Holwell)	F. C. Radcliffe, Esq.	5	1	2	500	..	58·35	209	171
d TAVISTOCK	W. J. Monk, Esq.	5	1	0	457	47·6	49·21	198	165
d Horrabridge (Furzetor)	Col. M. C. Collier	8	0	11	550	..	65·58	223	182
d Tavistock (The Library)	The Librarian	8	1	0	282	44·8	48·59	193	169
m Dartmoor (Double Waters)	A. Atkinson, Esq., C.E.	5	1	0	1165	64·2	67·50	..	..
m Dartmoor (N. Hessary Tor)	A. Atkinson, Esq., C.E.	5	1	0	1398	..	78·60	..	..
d Mary-Tavy (Blackdown)	H. K. G. Rogers, Esq.	5	1	0	855	..	64·30	215	187
d North Brentor (Langstone)	T. M. Lashbrook, Esq.	5	1	0	750	..	52·92	..	179
d Coryton Manor	T. Newman, Esq.	5	1	2	450	43·5	56·00	210	181
d Lifton (Tulip Trees)	James Oke, Esq.	5	1	4	280	..	52·14	198	171
d Lew Down (Coombe Trenchard)	H. M. Sperling, Esq.	5	1	0	450	44·0	47·61	205	168
d Lydford (Naseby)	Col. H. E. Molesworth, C.M.G., D.S.O.	5	1	2	950	..	62·60	219	183
d Werrington Park	Mr. R. M. Gregory	5	1	0	600	..	52·91	216	175
d Ashwater (Barn Park Bungalow)	Miss Jamieson	5	1	0	550	42·6	46·32	210	175
d Holsworthy (Bodmeryic)	W. J. Rogers, Esq.	5	0	11	476	42·3	45·56	217	180
3.—ERM & C. 217 sq. mi.									
d Salcombe (Fairhaven)	C. Shillitoe, Esq.	5	1	0	150	..	43·89	176	129
d Malborough (Upaloug)	Dr. A. Ward	5	2	0	365	..	44·95	189	137
d Malborough School	The Headmaster	5	1	0	330	..	44·07	190	138
d West Alvington	Rev. H. C. B. Lethbridge	5	1	0	180	..	47·78	194	150
d Kingsbridge (Senior School)	The Headmaster	5	1	0	100	..	45·47	187	141
d Kingsbridge	W. N. Patey, Esq.	5	1	6	150	..	49·32	181	144
d Stoke Fleming (Windward)	Miss E. L. Garrett	5	1	0	330	..	48·06	188	156
d Yealmpton (Torre)	Miss M. Wimbush	5	1	9	100	35·5	50·51	211	159
d Yealmpton (West Park)	D. M. Yonge, Esq.	5	1	3	150	..	50·14	188	152
d Loddiswell (Hazelwood Ho.)	Hon. Mrs. Peek	5	1	0	420	..	57·18	183	162
d Ervington (Strode)	Ca pt. H. Gore Hawker	5	1	0	75	41·4	52·92	182	157
d Ivybridge (Filham House)	H. Alger, Esq.	5	1	0	161	46·0	50·50	198	166
d Wrangaton (Plymouth M. Hos.)	Plymouth City Council	5	1	0	607	54·2	67·18	185	164
d South Brent (Beechfield)	J. A. Kingwell, Esq.	5	1	0	500	61·0	75·24	193	169
d South Brent (Badworthy)	Miss D. B. Latham	5	1	2	550	64·4	83·28	187	167
d South Brent (Brent Moor)	W. E. Nicholls, Esq.	8	0	9	850	..	98·65	227	183
d Cornwood (Yealm Head No. 5)	W. H. Thompson, Esq., C.E.	5	1	0	540	..	71·12	..	170
d Cornwood (Yealm Head No. 1)	W. H. Thompson, Esq., C.E.	5	1	0	943	..	78·26	..	..

§ Exposure not orthodox.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with	Days with
			Rim	Ground	Rain		·01 in. or more.	·04 in. or more.
			above Ground.	above Sea Level.	fall.			
SOUTH DEVONSHIRE—(con.).			in.	ft. in.	ft. in.	in.		
3.—ERM & C.—(con.)								
§Cornwood (Yealm Head No. 2)	W. H. Thompson, Esq., C.E..	5	1 0	1305	..	80·56	..	..
Cornwood (Yealm Head No. 4)	W. H. Thompson, Esq., C.E..	5	1 0	1415	..	76·85	..	..
§Cornwood (Yealm Head No. 3)	W. H. Thompson, Esq., C.E..	5	1 0	1416	..	75·59	..	..
4.—DART. 197 sq. mi.								
d Dartmouth (Naval College)	The Curator, Science Lab. . .	8	1 0	220	..	52·10	..	..
d Brixham	Torbay Paint Co., Ltd.	8	0 10	164	..	41·33	..	..
d Brixham (Combe Bank)	Sir H. Clayton, Bt.	5	6 6	115	36·7	45·90	185	138
d Waddeton Court	Sir A. L. Goodson, Bart. . . .	5	1 0	175	40·5	48·15	..	132
d Stoke Gabriel (Mazonet)	W. L. Collett, Esq.	5	1 0	100	42·8	56·41	195	176
d Totnes (Dundridge Gardens)	Mr. C. K. Pugsley	5	1 0	250	48·3	62·38	..	..
d PAIGNTON (Victoria Park)	Town Council (C. Bellinger) .	8	1 0	12	..	42·58	184	135
d Paignton (Claylands)	G. M. Rosling, Esq.	8	1 2	150	35·7	47·68	197	143
d Totnes (Walrond House)	W. J. Toope, Esq.	5	1 3	40	41·8	54·80	..	141
d Totnes (Berry Pomeroy Vic.)	Rev. Preb. H. M. Drake . . .	5	1 0	160	..	50·73	185	147
d Totnes (Dartington Hall)	J. B. E. Patterson, Esq. . . .	5	1 0	175	..	56·17	191	147
d Totnes (Staverton)	J. A. Devenish, Esq.	5	0 11	50	..	48·56	167	136
d Broadhempston (Sneydhurst)	H. S. Burbury, Esq.	5	1 6	200	..	48·82	194	149
d Ipplepen Vicarage	Rev. R. D. Cooke	5	1 0	266	36·8	(47·14)	(173)	(149)
d Holne (Church Park Cottage)	L. W. Frost, Esq.	5	1 6	620	59·8	74·47	205	164
d Ashburton (West St.)	W. T. Hannaford, Esq. . . .	5	1 0	250	..	60·28	202	157
d Ashburton (The Vicarage)	Mrs. E. Stallard	5	0 6	..	..	58·79	191	165
d Dartmoor (Fox Tor)	E. Rowlands, Esq., C.E. . . .	5	0 7	1160	..	88·20	225	185
d Dartmoor (Strane Valley)	E. Rowlands, Esq., C.E. . . .	5	0 7	1180	..	81·55	225	184
d Dartmoor (Swincombe)	E. Rowlands, Esq., C.E. . . .	5	0 7	1120	..	79·99	208	182
d Princetown (Huccaby House)	Lt.-Col. H. H. Joll, D.S.O. . .	5	1 0	900	54·6	64·82	215	170
d Princetown (Wydeemett)	Colin M. E. May, Esq.	5	1 0	900	58·2	77·46	201	183
d PRINCETOWN (H.M. Prison)	The Governor	5	1 0	1359	81·9	93·52	224	190
w Dartmoor (Cowsic Valley)	A. Atkinson, Esq., C.E.	5	1 0	1323	72·9	88·00	..	..
m Dartmoor (White Tor)	A. Atkinson, Esq., C.E.	5	1 0	1439	..	84·27	..	..
m Dartmoor (Devil's Tor)	A. Atkinson, Esq., C.E.	5	1 0	1570	..	84·10	..	..
m Dartmoor (Cowsic Head)	A. Atkinson, Esq., C.E.	5	1 0	1465	..	86·80	..	..
d Bovey Tracey (Hedgebarton)	W. K. Kitson, Esq.	5	1 6	1137	59·2	65·91	202	167
5.—TEIGN. 209 sq. mi.								
d Torquay (Middle Lincombe Rd.)	Miss L. M. Brown	5	1 0	250	30·9	38·70	193	133
d TORQUAY (Abbey Park)	The Corp. (C. Bellinger) . . .	5	1 0	27	33·0	39·56	189	128
d Torquay (St. Marychurch)	Miss M. E. Coulson	5	1 0	300	..	43·69	203	137
d NEWTON ABBOT (SEALE-HAYNE COLL.)	The Principal	5	1 0	375	34·7	43·77	189	140
d Teignmouth (Woodlands)	Major T. B. Harris	8	1 2	98	31·5	38·47	180	136
d TEIGNMOUTH (Den Gardens)	Medical Officer of Health . . .	8	1 0	20	31·8	37·74	182	126
d Teignmouth (Hazledown Res.)	G. F. Rossiter, Esq.	8	1 0	425	32·4	42·00	193	149
d Teignmouth (Shaldon Res.)	G. F. Rossiter, Esq.	5	1 0	213	31·9	43·87	181	139
d Teignmouth (Landscore Res.)	G. F. Rossiter, Esq.	8	1 0	132	33·2	40·19	193	135
d Kingsteignton (Firleigh Rd.)	M. B. B. Heath, Esq.	6	1 0	130	..	41·55	191	139
d Ilstington (Silver Birches)	J. F. Caley, Esq.	5	1 0	825	..	64·86	207	166
d Bovey Tracey (Whiddon)	G. F. Wright, Esq.	5	1 2	150	..	49·22	187	144
d DAWLISH	The Engineer and Surveyor . .	5	1 0	75	..	37·68	188	141
d Dawlish (Luscombe Castle)	Peter Hoare, Esq.	8	1 2	175	35·9	44·35	216	152
d Chudleigh (Farmborough)	Major F. E. Koebel	5	1 3	350	..	43·72	183	140
d Chudleigh (Scotleigh)	J. P. Hepburn, Esq.	5	1 3	280	..	41·25	187	138
w Ashcombe (Thorns Reservoir)	Surveyor, (Dawlish U.D.C.) . .	5	1 0	550	36·4	45·72	..	..
d Manaton (Heathercombe)	B. W. Chafy, Esq.	5	1 0	1300	..	76·79	214	176
d Hennock (Hazlewood)	R. P. Kitson, Esq.	5	1 0	650	..	48·68	187	154
d Lustleigh (Sun Hill)	Rev. H. Muir	5	1 0	650	..	50·91	207	148
d Moretonhampstead (Bullaton)	N. G. Elliot, Esq., C.E. . . .	8	1 0	928	42·2	54·37	229	167
d Moretonhampstead (Mardon)	N. G. Elliot, Esq., C.E. . . .	8	1 0	837	40·6	49·89	228	164
d North Bovey (Manor House)	Mr. J. T. Laurence	5	1 0	700	49·0	58·79	218	169
m Chagford (Hurstons Ridge)	N. G. Elliot, Esq., C.E. . . .	5	1 0	1350	..	73·83	..	..
m Chagford (Toms Hill)	N. G. Elliot, Esq., C.E. . . .	5	1 6	1500	..	84·58	..	..
m Chagford (Whiteridge)	N. G. Elliot, Esq., C.E. . . .	5	1 6	1650	..	85·18	..	..

§ Gauge over-exposed on moor.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
			Rim	Ground	Rain-fall.			
			above	above	Sea Level.			
			Ground.	Sea Level.				
SOUTH DEVONSHIRE—(con.).								
		in.	ft.	in.	ft.	in.		
5.—TEIGN—(con.).								
M Chagford (Hemstone)	N. G. Elliot, Esq., C.E.	5	1 6	1350	..	84·64	..	..
D Christow (Kennick) No. 1	N. G. Elliot, Esq., C.E.	8	1 0	836	41·6	51·80	224	157
D Christow (Kennick) No. 2	N. G. Elliot, Esq., C.E.	8	1 0	850	..	50·80	220	159
D Chagford (Fernworthy)	N. G. Elliot, Esq., C.E.	5	1 0	1150	..	70·56	234	183
D Chagford (Metberall)	N. G. Elliot, Esq., C.E.	8	1 0	1150	..	68·49	234	184
M Chagford (Thornworthy Down)	N. G. Elliot, Esq., C.E.	5	1 6	1250	..	74·25	..	..
M Chagford (Crownhall)	N. G. Elliot, Esq., C.E.	5	1 0	1320	..	83·50	..	..
D Christow (Smithacott)	N. G. Elliot, Esq., C.E.	8	1 0	861	41·4	50·89	222	155
M Moretonhampstead (Blackingstone)	N. G. Elliot, Esq., C.E.	8	1 0	1158	42·5	46·85	..	..
D Christow (Laployd)	N. G. Elliot, Esq., C.E.	5	1 0	1041	41·6	49·67	221	157
D Chagford (Thornworthy)	Miss W. H. Varwell	5	1 0	1175	59·6	82·01	233	194
D Chagford (Teignworthy)	E. A. Courthope, Esq.	5	1 0	1000	..	65·00	224	183
D Chagford (Denshams)	C. V. Somers Cocks, Esq.	5	0 6	650	..	58·81	215	167
D Chagford (Huish)	Col. P. Hart Dyke, D.S.O.	5	1 3	590	45·5	60·03	221	172
6.—EXE. 445 sq. mi.								
D EXMOUTH (Waterworks Road)	The Engineer, U.D.C.	5	1 0	195	28·6	36·47	192	144
D EXMOUTH (Filters, Salterton Road)	Engineer and Surveyor	8	8 6	195	31·5	37·32	187	140
D EXMOUTH (Littleham)	W. Malan, Esq.	5	0 7	155	..	38·88	199	150
D EXMOUTH (Filters, Capel Lane)	Engineer and Surveyor	5	8 0	240	30·3	37·22	186	141
D Lymptone (Manor House)	Miss L. Shelden	5	0 11	54	30·8	37·53	207	144
D Woodbury (Oakhayes)	E. S. Chattock, Esq.	5	1 0	200	..	36·87	176	149
D Woodbury (South Croft)	Lt.-Col. T. C. Fraser	5	1 0	200	..	37·36	190	143
D Shillingford Rectory	Rev. C. L. O'Ferrall	5	1 8	200	..	35·64	190	128
D Exminster (Trood House)	Lt.-Col. T. L. Ormiston	5	1 11	75	..	35·31	190	133
D Exeter (Hatfield, Longdown)	C. Holman, Esq.	5	0 10	450	33·8	39·30	168	130
D Aylesbeare (Homestead)†	C. L. Loram, Esq.	5	0 10	220	31·4	36·21	..	143
D Exeter (Devon and Exeter Inst.)	The Librarian	5	13 7	155	30·5	35·56	185	137
D Exeter (The Close)	Rev. Canon D. McLaren	5	0 9	120	..	34·83	..	120
D Rockbeare Manor	Lt.-Col. H. Spencer Follett	5	0 10	180	30·7	32·65	..	135
D Cheriton Bishop (Horslake)	L. Collings-Wells, Esq.	5	3 6	500	33·3	41·31	196	151
D Brampford Speke	Col. C. F. Stevens	5	1 0	170	30·4	35·55	182	142
D Crediton (U.D.C.)	The Surveyor	5	1 3	198	32·8	35·34	..	136
D Crediton (Haywards School)	C. Luxton, Esq.	5	1 0	186	33·3	35·61	..	..
D Silverton (KILLERTON)	Rt. Hon. Sir F. D. Acland, Bt., P.C.	5	1 0	159	31·0	38·64	..	139
D Thorverton (School House)	The Headmaster	5	1 0	194	34·7	36·36	166	145
D Crediton (Okefield)	Seymour F. Pope, Esq.	5	1 0	325	32·2	37·03	214	145
D Coppelstone (Coppelstone House)	Miss M. Pope	5	0 11	315	34·4	41·36	220	152
D Bradninch (Dunmore House)	Miss H. R. Hephurn	5	1 0	300	34·0	37·73	187	147
D CULLOMPTON	Murray T. Foster, Esq.	5	1 0	202	35·3	41·81	208	149
D Cullompton Court	Dr. E. S. Cardell	5	1 0	200	34·5	40·88	220	168
D Kentisbeare	A. E. Painter, Esq.	5	1 0	304	37·1	41·18	194	143
D Cullompton (Willand)	Major F. M. Lane	5	0 6	250	..	41·07	..	152
D Tiverton (St. Aubyn's Park)	F. C. Fox Strangways, Esq.	5	1 0	394	38·8	43·32	207	153
D Tiverton (Blundell's School)	E. G. Peirce, Esq.	5	1 6	270	37·3	43·65	188	151
D Culmstock (The Knap)	T. Langdon Hine, Esq.	5	1 0	440	..	42·54	208	158
D Bampton (Oakford)	Miss M. E. Tedder	5	1 0	650	43·2	53·19	..	168
D Morebath Manor	C. H. W. Malet, Esq.	5	1 0	650	44·3	49·78	232	174
7.—AXE & C. 237 sq. mi.								
D Budleigh Salterton (West Ways)	J. Hartree, Esq.	5	1 0	140	..	35·47	168	146
D Budleigh Salterton (Braywick)	E. Fisher, Esq.	5	1 0	120	..	34·88	168	137
D Budleigh Salterton (Tidwell Ho.)	Mrs. J. H. F. Foster	5	1 0	100	..	35·68	172	141
D Budleigh Salterton (Knowle Hill)	Lt.-Col. J. B. MacFarlan	5	0 7	245	..	37·85	..	..
D Budleigh Salterton (Knowle Ho.)	Mrs. Pepys	5	1 2	230	..	37·98	168	153
D Budleigh Salterton	R. Jones-Bateman, Esq.	5	1 0	360	..	39·32	199	143
D Budleigh Salterton (Squabmoor)	Engineer and Surveyor	5	1 0	267	31·9	35·25	..	..
D East Budleigh (Bicton Common)	Engineer and Surveyor	5	1 0	300	32·2	(36·97)	..	..
D East Budleigh (Bicton Gardens)	The Head Gardener	5	1 0	90	31·4	34·79	..	133

† Station formerly called Aylesbeare (Rosamondford).

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STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.			
			Height of		Average Rain-fall.	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.		
			Rim above Ground.	Sea Level.						
SOUTH DEVONSHIRE—(con.).			in.	ft. in.	ft.	in.	in.			
7.—AXE & C.—(con.).										
d Salcombe Regis (SteePhill)	Burleigh D. Kilburn, Esq.	5	1	0	150	..	37·23	208	157	
d Sidmouth (U.D.C.)	The Borough Surveyor	5	1	0	25	..	33·84	184	133	
d Sidmouth (Loretto)	S. Horsley, Esq.	5	1	6	125	..	36·28	196	143	
d Sidmouth (Somerton Lodge)	Dr. C. Woodhouse	5	1	0	60	..	37·45	171	143	
d Seaton (Seafeld)	U.D.C. (Lt.-Col. H. Anderson-Neville)	5	1	0	43	..	36·63	170	132	
d Seaton (Bunt's Hill)	Dr. R. H. Norman	5	0	10	200	..	38·80	190	139	
d Seaton (Homermead)	T. F. Tracy, Esq.	5	1	0	185	..	38·59	187	141	
d Lyme Regis (Pinhay)	Mr. W. F. Shillabeer	5	1	11	465	34·9	42·41	190	141	
d Uplyme (Yaw)	E. A. C. Stowell, Esq.	5	0	10	344	..	44·86	183	152	
d Ottery St. Mary (Great Brake)	E. L. Cooper, Esq.	5	1	0	480	..	39·87	175	152	
d Ottery St. Mary (Broad Oak)	Miss Tallant	5	1	2	300	..	40·97	182	140	
d Ottery St. Mary (Little Close)	P. M. Miller, Esq.	5	0	9	250	..	37·91	187	142	
d Ottery St. Mary (West Hill)	B. Stansbury, Esq.	5	1	6	340	31·2	40·48	217	144	
d Ottery St. Mary (Elsdon)	T. H. Leathart, Esq.	5	1	2	350	..	40·23	207	139	
d Ottery St. Mary (Broad Street)	W. D. Badcock, Esq.	5	1	0	170	36·3	36·55	183	140	
d Musbury (Ashe House)	Mrs. J. Peat	5	1	0	116	..	45·25	174	151	
d Axminster (Kilmington)	Mrs. C. M. Saunders	8	1	6	210	..	40·02	166	134	
d Axminster (Gamberlake House)	Col. A. L. Bayley	5	4	6	115	..	44·24	190	157	
d Honiton (Feniton Court)	Col. A. D. Acland, C.B.E.	8	1	0	235	36·4	39·63	193	155	
d Honiton (Beech Grove)	Mrs. M. Baker	5	0	10	340	38·0	42·58	..	..
d Membury (Yarty House)	Major W. H. Wilkin	5	1	0	245	..	42·13	196	136	
d Honiton (Cotleigh House)	Maj. J. M. Salisbury-Trelawny, M.C.	5	1	6	540	..	46·65	203	154	
d Stockland (Post Office)	G. James Clarke, Esq.	5	1	0	350	40·5	44·80	188	139	
NORTH DEVONSHIRE. (Area, 898 sq. mi.)										
1.—NORTH COAST STREAMS. 77 sq. mi.										
d Croyde (Baggy Point)	Miss C. M. Hyde	5	1	0	60	30·1	30·13	162	126	
d Ilfracombe (Reservoir)	A. J. Westaway, Esq.	5	1	0	395	46·9	50·74	187	165	
d ILFRACOMBE (Bowling Green)	A. J. Westaway, Esq.	5	1	0	25	37·4	41·51	178	139	
2.—TAW. 442 sq. mi.										
d Spreyton (Lynderies)	Lt.-Col. J. Simpson	5	1	0	660	36·3	41·90	..	..
d Chulmleigh (Ashreigney Rectory)	Rev. R. Y. Holmes	5	0	8	590	..	37·57	..	..
d Witheridge	Rev. J. A. S. Castlehow	5	1	0	600	38·9	46·76	189	160	
d Chittlehamholt	Rev. H. Carter	5	1	0	420	37·7	41·44	187	..	
d East Anstey Rectory	Rev. J. S. Payne	5	0	9	750	45·7	52·47	204	181	
d East Anstey (Barton House)	Mrs. E. L. Hancock	5	1	0	760	..	53·04	..	180	
d East Anstey (Chiltons House)	L. B. Akers, Esq.	5	2	6	950	..	57·69	231	185	
d BARNSTAPLE (N. Dev. Athenæum)	The Librarian	8	1	0	25	36·6	34·48	189	146	
d Barnstaple (Westaway)	Major O. L. Trechmann	5	1	0	140	39·0	39·51	188	151	
d Goodleigh (Gunn Cottage)	Major H. Sandford Claye	5	1	0	720	43·4	45·07	206	169	
d Goodleigh (Chelfham Mill)	Lt.-Col. J. K. Elliott, R.N.	5	1	0	160	..	47·71	189	163	
d Braunton (The Linhay)	J. E. Gladstone, Esq.	5	1	0	70	..	37·93	190	159	
d Braunton	A. J. Besly, Esq.	5	1	0	145	34·7	36·90	190	146	
d Challacombe	A. J. Westaway, Esq.	5	1	0	815	62·8	70·38	223	188	
d Georgeham (Spreacombe Manor)	A. Leigh Barker, Esq.	5	0	9	340	38·8	38·79	188	153	
d Kentisbury	Noel Irwin, Esq.††	5	1	0	557	51·1	54·55	245	181	
3.—TORRIDGE. 342 sq. mi.										
d Dartmoor (Cranmere Pool)	S. R. Harry, Esq., for M.O.	5	1	0	1845	..	87·40	..	..
d Dartmoor (Newbridge)	S. R. Harry, Esq., for M.O.	5	1	0	1500	..	64·15	..	..
d Okehampton (Uplands)	Miss C. E. Burd	5	1	0	700	51·4	61·54	217	171	
d Shebbear Vicarage	J. M. Evans, Esq.	5	1	0	460	..	50·78	213	171	
d Torrington (Enfield)	G. M. Doe, Esq.	5	1	0	337	39·3	39·61	204	168	
d Parkham (Melbury Reservoir)	A. E. Parry, C.E.	5	1	0	517	54·6	59·96	204	173	
d Buckland Brewer (The Cottage)	Miss B. G. Rogers	5	0	11	469	46·3	45·75	211	167	

†† For Royal Meteorological Society.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Rim	Height of	Average	Rain-	Days	Days
			above	Ground	Rain-	fall.	with	with
			Ground.	above	fall.		·01 in.	·04 in.
				Sea Level.			or	or
							more.	more.
NORTH DEVONSHIRE—(con.).			in.	ft.	in.	ft.	in.	
3.—TORRIDGE—(con.).								
d Littleham (Orleigh Court)	W. H. Rogers, Esq.	5	1	0	260	44·5	47·90	199
d Bideford (Jennett's Res.)	Borough Surveyor	5	1	0	62	40·8	38·78	186
d Bideford (Gammaton Res.)	Borough Surveyor	5	1	0	350	..	35·67	185
d Westleigh (Council School)	Miss M. E. Read	5	3	3	170	37·0	30·05	174
d Northam (Chope Barton)	Rev. H. G. de C. Stevens-Guille ..	5	1	0	180	42·7	37·15	220
d Northam (Windmill Lane)	S. Welsford Pain, Esq.	5	1	0	180	..	33·69	..
d Westward Ho! (Royal Golf Club) ..	Major A. Newton-King	5	1	6	10	34·4	33·50	..
4.—WEST COAST STREAMS. 32 sq. mi.								
d Hartland (Fosfelle)	R. H. Cook, Esq.	5	1	0	480	46·0	45·91	..
d HARTLAND POINT	Station Officer (M.O.)	5	1	0	299	..	33·36	195
5.—EXE. 5 sq. mi.								
CORNWALL. (Area, 1,363 sq. mi.).								
1.—CAMEL & N.W. COAST STREAMS. 458 sq. mi.								
Crowan (Boswyn Res.)	Camborne Water Co.	8	1	6	511	47·6	47·58	221
d Lelant	Mrs. Tyrringham	5	1	3	50	44·4	41·16	193
d St. Ives (Halsetown Vicarage)	Rev. T. C. F. Barfett	5	1	0	328	..	44·08	205
Camborne	Miss I. Osborne	5	2	6	402	44·1	44·25	..
d Camborne (Uplands)	H. G. Rix, Esq.	5	1	0	210	40·8	41·29	201
St. Ives (Liscoruah)	Col. J. M. Findlay, D.S.O.* ..	5	0	5	300	47·3	(41·58)	182
d Redruth (Green Lane Nurseries) ..	F. Sanders, Esq.	5	1	0	270	41·2	42·41	..
d St. Agnes (Church Town)	Dr. W. C. Whitworth	5	1	0	318	..	39·56	201
d PERRANPORTH	W. Williamson Esq. (for Trustees)	5	1	0	22	..	34·81	161
Newquay (Reservoir)	late Dr. C. C. Vigurs	5	1	0	214	33·4	34·47	188
d NEWQUAY (Mount Wise) No. 1	U.D.C. (late Dr. C. C. Vigurs) ..	5	1	0	182	33·2	32·18	198
d Bodmin (Castle Hill House)	Major Hare	5	0	8	484	49·4	(46·46)	..
d Little Petherick (St. Petroc Minor) ..	Miss A. T. Skilbeck	5	1	2	150	32·0	34·51	224
d Wadebridge (Trewornan)	Brig.-Gen. I. J. Hext, C.M.G. ..	5	1	0	30	36·0	37·02	204
d Trevone (Pentonwarra)	W. M. Lindley, Esq.	5	1	0	25	..	34·60	191
d St. Minver (Treberick)	Miss D. M. Thomson	8	1	0	100	32·0	33·33	202
d St. Minver (Lundy Bay)	W. Poynter Adams*	5	1	0	240	..	38·60	..
d Camelford (Stannon Clay Wks.) ..	English China Clays, Ltd.	8	1	6	800	54·8	62·69	228
d Delabole	Delabole Slate Co., Ltd.	5	1	6	620	..	40·16	213
d TINTAGEL	Trust Houses, Ltd.	5	1	0	280	..	35·25	186
d BUDE (School House)	Clerk to the U.D.C.	5	1	0	50	33·4	32·72	193
d Bude (Trelana)	G. A. C. Thynne, Esq.	5	1	0	200	..	35·02	195
2.—FOWEY & S.E. COAST STREAMS. 620 sq. mi.								
d THE LIZARD (C. Guard Stn.)	Station Officer (M.O.)	8	1	0	240	33·3	33·15	195
d Mullion (Council School)	E. J. Perry, Esq.	5	1	1	206	37·4	40·77	..
Mullion	H. H. Penrose, Esq.	5	0	10	178	35·3	40·49	..
d Porthcurno	Eastern Telegraph Co.	5	1	0	150	36·2	33·16	199
St. Keverne (Lanarth)	M. P. Williams, Esq.	5	1	3	310	43·7	45·35	198
d Bosahan (St. Martin-in-Meneage) ..	Lady Seaton	5	1	3	180	..	45·33	..
Porthleven	J. J. Emmott, Esq.*	5	1	0	100	..	37·59	203
d Helston (Tenderah)	Miss H. K. Tyacke	5	1	7	220	42·0	43·34	199
d Constantine (Pons-a-Verran)	A. Mayne, Esq.	8	1	0	60	39·6	44·90	218
d Penzance (Trewidden)	Mrs. C. Williams	5	0	9	275	43·2	44·28	185
d St. Michael's Mount	Lord St. Jevan	5	..	..	50	..	36·14	..
d PENZANCE (Morrah Gardens)	The Town Clerk	5	1	0	55	40·9	40·39	198
d Penzance (Trenswainton House) ..	Lt.-Col. E. H. W. Bolitho ..	8	1	0	400	46·4	44·16	199
d GULVAL (Experimental Stn.)	Cornwall County Council ..	5	1	0	20	41·5	40·35	200
d Wendron (Ninemaidens)	W. E. Benney, Esq.	5	0	10	700	..	63·23	198
d FALMOUTH (OBSERVATORY) ..(+A).	The Supt. for Roy. Cornwall	5	1	0	167	43·6	43·73	194
	Poly. Soc.	5	1	0	167	43·6	43·73	194

*Per Cornwall Rainfall Association.

§ Turf wall round gauge.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average Rain-fall.	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.			
CORNWALL—(con.)									
2.—FOWEY & S.E. COAST STREAMS—(con.)									
d Penryn Reservoirs	Falmouth Corpn. W.W.	5	0 6	235	..	49·81	188	146	
d Falmouth (Trefusis)	Col. The Hon. H. W. F. Trefusis	5	1 3	200	39·5	40·29	195	155	
d Halwin (Council Sch.)	F. P. Jenkin, Esq.	5	1 0	540	..	44·93	..	134	
d Penryn (Ashfield)	J. G. Stephens, Esq.	5	1 0	95	42·2	43·29	216	151	
d St. Mawes (Lawn Bank)	J. Stanley-Verde, Esq.	5	1 1	100	..	39·64	190	140	
d Devoran (Devoran House)	Rev. A. S. Rashleigh	5	1 0	50	..	45·15	203	158	
d Gwennap (Trevince)	C. H. Beauchamp, Esq.	12	1 0	240	45·5	46·62	211	162	
d Truro (Tregolls)	Miss C. L. Rashleigh	5	1 0	65	41·6	42·37	205	153	
d Truro W.W. (Lower Tregurrow)	W. J. Lean, Esq.	5	1 0	71	42·2	45·85	209	160	
d Mevagissey	C. Metcalfe, Esq.	5	1 0	100	42·3	45·08	196	162	
d St. Ewe (Council School)	The Headmaster	5	1 0	300	..	48·69	204	154	
d Tresillian	Chas. Nicholson, Esq.	5	0 10	75	..	41·70	183	153	
d FOWEY	The Town Clerk	5	1 0	51	..	36·61	204	162	
d St. Austell (Trevarna)	W. M. Coode, Esq.	5	1 0	300	45·8	51·18	213	171	
d St. Austell (Poltair Public Gdns.)	The Engineer and Surveyor	5	1 0	312	..	50·98	206	170	
d East Looe	W. D. Clague, Esq.	5	1 0	50	..	44·10	194	149	
d Downderry (The Watch House)	G. S. Sneyd, Esq.	5	1 0	100	..	41·64?	184	153	
d Looe (Morval)	Capt. A. H. Tremayne, R.N.	5	1 0	150	46·1	51·16	221	173	
d Lostwithiel (The Terrace)	R. Pease, Esq.	5	1 0	110	49·2	54·28	204	173	
d St. Keyne (Locrenton)	Vice-Adml. R. Wykes-Sneyd	5	0 10	250	..	58·17	223	180	
d Liskeard (Penmilder)	Miss D. P. Foster	5	1 0	260	..	50·20	202	159	
d Liskeard (Treventon)	E. R. Foster, Esq.	5	1 0	360	..	54·82	220	175	
3.—TAMAR & C. 279 sq. mi.									
d Devonport (Cremyll)	S. B. Wilcox, Esq.	5	1 2	25	36·3	40·42	199	166	
d Torpoint (Trethill House)	Col. J. D. A. Roberts	5	1 6	200	34·5	37·47	182	137	
d St. MELLION (ELLBRIDGE EXP. STN.)	The Horticultural Supt.	5	1 0	200	..	47·55	204	156	
d St. Mellion (Pentillie Castle)	The Head Gardener	5	1 0	150	..	55·29	..	170	
d Gunnislake (Alboston)	F. J. Bolt, Esq.	5	1 0	573	..	54·80	195	166	
d Stoke Climsland School	T. Oates, Esq.	5	1 0	450	..	53·44	..	..
d Launceston (North Hill)	Miss M. E. Hale	5	1 0	475	..	67·66	233	182	
d Launceston (Landue)	Miss S. E. Tregoning	5	0 11	225	42·5	49·15	226	171	
d Launceston (Hexworthy)	R. B. Rogers, Esq.	5	1 0	270	42·1	45·87	210	139	
d North Tamerton (Davies)	W. S. Bray, Esq.	5	4 1	390	35·9	45·69	214	165	
4.—INSULAR. —Isles of Scilly. 6 sq. mi.									
d St. Mary's (C. Guard Stn.)	Station Officer (M.O.)	8	1 0	163	31·9	29·37	204	142	
d Tresco Abbey	Maj. A. A. Dorrien Smith, D.S.O.	5	1 0	40	33·4	31·23	203	153	
SOMERSETSHIRE. (Area, 1,624 sq. mi.).									
1.—LOWER AVON. 294 sq. mi.									
d Wanstrow (The Manor Cottage)	P. E. B. Warburton, Esq.	5	1 0	465	37·7	41·53	..	..
d Shepton Mallet (Pondsmead)	R. A. Hobhouse, Esq.	8	1 0	710	44·9	52·64	195	162	
d Frome W.W. (Egford)	B. H. Parkes, Esq.	8	2 0	270	35·8	43·53	187	143	
d Frome (Selwood School)	Miss E. M. Coombs	5	1 9	320	33·9	39·51	194	145	
d Mells (Selwood)	Miss E. G. Horner	5	1 0	344	37·2	40·35	199	152	
d Binegar (Gurneyslade)	Rev. N. W. Passmore	5	1 0	588	43·3	55·51	190	156	
d Stratton-on-Fosse (Downside Ab.)	Rev. N. W. Passmore	8	1 0	600	41·5	48·75	210	159	
d Orchardleigh Park	Major A. C. Duckworth	8	1 0	320	32·8	44·25	193	149	
d Chewton Mendip (The Priory)	Earl Waldegrave	5	1 0	550	45·0	49·90	197	157	
w East Harptree (Pitt Farm)	A. M. Paterson, Esq., C.E.	5	1 0	705	45·0	52·21	..	..
d Midsomer Norton (Dymboro)	Dr. A. Bulleid	5	3 3	355	35·8	40·35	180	142	
d Litton (Sherborne Res.) (†A)	A. M. Paterson, Esq., C.E.	5	1 0	340	40·0	45·80	191	152	
w Harptree Hill	A. M. Paterson, Esq., C.E.	5	1 0	784	..	49·80	..	..
d East Harptree (Harptree House)	Lt. Col. H. W. Kettlewell	5	0 8	345	43·7	49·87	199	162	
w East Harptree (Harptree Court)	A. M. Paterson, Esq., C.E.	5	1 0	300	39·9	44·16	

§ Turf wall round gauge.

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STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average		Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
			Rim	Ground	Ground	Rain-fall.			
			above	above	Sea Level.				
			ft.	ft.	in.				
SOMERSETSHIRE—(con.).			in.	ft.	in.		in.		
1.—LOWER AVON—(con.).									
d East Harptree (Townsend P.S.)	Water Engineer	5	1	6	220	..	45·96	186	148
d Hinton Blewett Manor	Maurice Church, Esq.	5	1	3	500	39·6	43·79	203	158
w North Widcombe	A. M. Paterson, Esq., C.E.	5	1	0	215	36·0	38·85	..	..
w Chew Stoke (Heron's Green)	A. M. Paterson, Esq., C.E.	5	1	0	179	36·2	39·16	..	..
d Pensford (Sutton Court)	Mr. F. Ford	8	1	0	280	37·7	40·48	217	160
d Midford (Court Essington)	E. H. Atchley, Esq.	5	2	6	450	..	37·42	180	162
d Midford (Pumping Station)	Combe Down W.W. Co., Ltd.	5	1	0	135	..	37·21	190	145
d Chew Stoke (Walley Court)	A. M. Paterson, Esq., C.E.	5	1	0	202	35·5	37·63	216	148
d Pensford (Hunstrete House)	H. Leyborne Popham, Esq.	5	0	9	400	33·7	36·90	207	152
w Ridgehill	A. M. Paterson, Esq., C.E.	5	1	0	..	36·0	39·35	..	..
d Chew Magna	A. M. Paterson, Esq., C.E.	5	1	0	180	36·3	38·66	188	149
d Pensford (Publow School Ho.)	A. Hayes, Esq.	5	1	0	230	33·2	35·60	193	139
w Winford (Upper Littleton)	A. M. Paterson, Esq., C.E.	5	1	0	..	37·0	41·73	..	..
w Chew Magna (Norton)	A. M. Paterson, Esq., C.E.	5	1	0	430	..	37·31	..	..
d BATH (Henrietta Parl.)	Medical Officer of Health	5	1	0	67	30·3	33·62	187	138
d Bath (Monkton Combe)	W. G. Lock, Esq.	5	1	0	450	30·3	38·74	224	161
d Bath (Combe Lodge)	Major T. H. Clark	5	1	0	520	31·4	38·87	178	144
d Bath (Statutory Hospital)	Bath Corporation	5	1	0	520	32·8	35·51	168	133
d Bath (Mount Beacon House)	Lady Stothert	5	1	2	450	31·5	35·56	193	149
d Bath (1, Coburg Villas)	J. R. Sparey, Esq.	5	1	3	260	..	33·79	177	140
d Bath (Lambridge House)	C. Standen Paine, Esq.	5	1	0	..	..	(33·26)	(167)	(133)
d Bath (7, Bathwick Hill)	Rev. Preb. A. B. Burney, M.A.	5	1	0	220	..	35·46	166	145
d Bath (Bathwick Hill)	M. J. Lipscomb, Esq.	5	1	2	215	..	37·56	..	132
d Bath (Charlcombe)	Bath Corporation W.W.	5	1	6	325	31·4	35·32	178	138
w Felton (Upper Town)	A. M. Paterson, Esq., C.E.	5	1	0	..	38·2	39·08	..	..
d Bath (Hamilton Road)	Miss J. Macnab	5	1	0	500	..	35·51	168	146
d Bath (Lower Swainswick)	G. R. Marsh, Esq.	5	1	0	145	..	35·13	181	141
d Bathford (Titan Barrow)	Mrs. Wynne Wilson	5	1	2	..	..	33·93	..	115
d Batheaston (Mumfords)	G. Lipscomb, Esq.	5	1	2	200	..	35·71	177	145
d Batheaston Reservoir	Bath Corporation W.W.	5	1	0	248	31·1	34·90	201	147
d Keynsham (Wellsway)	A. E. Stephens, Esq.	8	1	0	133	29·6	29·09	159	112
d Keynsham (Somerdale)	Messrs. J. S. Fry & Sons, Ltd.	5	1	0	58	..	32·99	179	134
d Bath (Brockham End)	H. A. Holland, Esq.	5	1	4	720	29·9	35·61	200	140
d Barrow Gurney Reservoir	A. M. Paterson, Esq., C.E.	5	1	0	300	36·2	36·65	169	136
d Lansdown	Bath Corporation W.W.	5	1	0	380	..	37·43	186	149
d BRISTOL AIRPORT	(+A) Meteorological Office	5	1	0	209	..	35·03	195	142
d Long Ashton (School House)	J. B. Randell, Esq.	5	0	5	161	..	36·35	216	148
d LONG ASHTON (Research Station)	The Principal	8	1	0	162	34·1	36·88	205	139
d Failand House	H. G. Tanner, Esq.	5	1	0	380	34·6	37·76	190	149
2.—YEO, AXE & BRUE. 405 sq. ml.									
d Bruton (Great Down Cottage)	F. K. Makins, Esq.	5	1	0	280	..	38·90	211	143
d Street (Leigh Holt)	P. T. Clothier, Esq.	5	1	0	130	..	31·65	181	136
d Ditchat Rectory	Rev. H. H. Tripp, M.A.*	5	1	0	212	31·5	35·16	197	141
d Street (Overleigh House)	Mrs. J. B. Clark	5	0	10	100	28·5	31·73	182	132
d Street (Hindhayes)	Mrs. W. Bancroft Clark	5	1	6	78	28·8	33·23	188	137
d Street (Portway)	J. E. Clark, Esq.	5	1	0	80	..	34·10	179	138
d Street (Sewage Farm)	The Surveyor, U.D.C.	5	1	0	18	..	32·77	168	127
d Street (Millfield)	Dr. Hilda Clark	5	1	1	100	28·8	33·56	180	139
d Catcott (The Crift)	Rev. H. Buckton	5	1	0	100	..	32·04	185	134
d Glastonbury (Bere Lane)	Mrs. Mee	5	0	8	..	..	34·40	187	144
d Edington	Major A. C. F. Luttrell	5	1	6	90	31·2	32·64	195	138
d Cossington Manor	J. C. Macro Wilson, Esq.	5	1	0	110	..	30·60	176	140
d Shepton Mallet (Pilton)	Miss E. M. Allen	5	1	3	354	34·6	35·58	172	154
d Shepton Mallet (Charlton)	C. E. Burnell, Esq., J.P.	5	1	0	481	38·8	46·12	207	168
d Shepton Mallet (Field House)	Sir F. H. Berryman	5	1	0	500	38·6	46·02	197	161
d Shepton Mallet (Sewage Farm)	The Surveyor, U.D.C.	5	1	0	330	38·7	44·64	193	156
d Wells (St. Cuthbert's Lo.)	Miss H. S. Laidlay	5	1	0	135	..	37·08	190	128
d Wells (Wookey Hole Paper Mills)	W. S. Hodgkinson & Co., Ltd.	5	2	1	174	35·1	39·94	..	137

* Per Mid-Wessex Rainfall Association.

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			Height of		Average		Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
			Rim	Ground	Rain-				
			above	above	fall.				
			Ground.	Sea Level.					
SOMERSETSHIRE—(con.).			in.	ft. in.	ft.	in.	in.		
2.—YEO, AXE and BRUE—(con.).									
d Burnham (Chalbury)	Miss A. E. Smith-Spark	5	1	0	20	29·1	30·70	182	136
d Burnham	W. H. Chowins, Esq.	5	1	0	24	28·5	29·98	171	135
d Burnham (Berrow Road)	Miss M. Robinson	5	1	0	10	29·2	28·50	178	135
d Cheddar (Pumping Station)	A. M. Paterson, Esq., C.E. ..	5	1	0	50	33·6	38·27	181	143
w Charterhouse	A. M. Paterson, Esq., C.E. ..	5	1	0	619	43·2	47·07	..	..
w Compton Martin	A. M. Paterson, Esq., C.E. ..	5	1	0	276	42·4	41·49	..	..
d Winscombe (Sidcot School)	The Headmaster	5	0	8	250	..	(40·77)	..	..
w Ubley (Rookery Farm)	A. M. Paterson, Esq., C.E. ..	5	1	0	525	44·9	48·32	..	..
d Winscombe (The Down)	J. Grubb, Esq.	5	1	0	290	35·8	41·33	181	150
w Blagdon Hill	A. M. Paterson, Esq., C.E. ..	5	1	0	550	40·6	46·20	..	..
d Blagdon (Pumping Station)	A. M. Paterson, Esq., C.E. ..	5	1	0	112	37·0	41·20	187	144
w Blagdon (Coombe Lodge)	A. M. Paterson, Esq., C.E. ..	5	1	0	388	39·6	42·08	..	..
w Nempnett (West Town)	A. M. Paterson, Esq., C.E. ..	5	1	0	263	36·3	37·43	..	..
w Burrington (Burrington Links)	A. M. Paterson, Esq., C.E. ..	5	1	0	335	38·1	41·09	..	..
d Banwell (Council School)	W. J. Sheppard, Esq.	5	1	4	62	..	41·17	190	149
d Weston-Super-Mare (Clarence Pk.)	Medical Officer of Health ..	5	1	0	28	29·9	33·07	181	127
w Butcombe (Cholwell)	A. M. Paterson, Esq., C.E. ..	5	1	0	370	38·9	39·23	..	..
d Yatton Pumping Station	L. Hale, Esq. *	5	1	0	18	..	35·81	193	132
d Yatton (Chelvey)	A. M. Paterson, Esq., C.E. ..	5	1	0	60	32·5	33·53	185	127
d Backwell Hill	W. Garnett, Esq.	5	1	0	490	33·2	30·60	160	122
d West Town	Theodore Robinson, Esq.	5	1	0	80	34·6	33·43	185	131
d Clevedon (Gas Works)	J. Harger Pye, Esq.	5	1	2	22	33·5	33·99	168	133
d Clevedon W.W. (Tickenham Rd.)	J. Harger Pye, Esq.	5	1	6	70	31·2	33·93	177	128
d Wraxall Court	Mr. G. Hyde	5	0	10	200	..	34·70	185	144
d Walton-in-Gordano	Lt. Col. Sir Chas. Miles, Bt. ..	5	0	9	80	..	35·59	195	125
d Portishead (Bristol Road)	Portishead Dist. Water Co. ..	5	1	6	24	34·9	33·98	181	141
3.—PARRETT. 568 sq. mi.									
d Chard (Fairlawn)	A. Austin, Esq.	5	1	0	374	..	42·40	204	144
d Chard (Snowdon)	A. J. Dening, Esq.	5	1	0	400	..	44·50	199	153
d Crewkerne (The Reservoir)	E. H. Munford, Esq.	8	1	0	426	33·7	40·04	179	147
d Crewkerne (Bincombe House)	Mrs. R. H. Symons	5	1	3	293	34·7	39·62	179	145
d Chaffcombe House	Col. L. H. Noblett	5	0	10	400	33·1	41·16	189	157
d Combe St. Nicholas	Rev. G. de Y. Aldridge	5	1	6	580	38·4	46·44	226	164
d Hardington Manderville	L. Dawson Campbell, Esq.	5	1	0	300	..	40·21	189	148
d Coker Court Gardens	Mr. T. H. Gilham	5	1	6	255	33·7	37·88	159	139
d Ilminster	The Surveyor	8	0	6	182	..	41·88	163	140
d Ilminster (Dillington Park) (a)	Mr. W. Goldthorpe	8	3	0	161	..	34·07	171	139
d Yeovil (Grass Royal School)	The Headmaster	5	0	6	200	..	35·29	169	149
d Yeovil (Pen Mill Sewage Works)	Dr. C. W. Gee	5	1	0	102	30·6	38·64	218	146
d Pitminster (Blagdon Hill)	G. L. Sidey, Esq.	5	0	10	650	..	46·53	228	168
d Stoke-under-Ham	Miss M. H. Gillett	8	1	0	80	31·2	36·75	166	141
d Angersleigh (Leigh Court)	A. Eastwood, Esq.	8	1	0	360	35·0	40·84	193	155
d Wellington (Payton House)	Miss M. F. Mathias	5	0	11	230	..	37·21	200	158
d Ashbrittle (Kyrle)	Major J. H. Mathias	5	0	9	525	..	42·62	202	158
d Bradford (Stoford Manor)	W. Simms, Esq. *	5	0	6	120	..	36·31	214	153
d Martock Vicarage	Prebendary Saunders	5	0	9	61	29·6	34·18	176	134
d Trull School	E. W. A. Groves, Esq.	5	1	0	130	..	34·05	..	..
d Rimpton	P. B. Cardwell, Esq.	5	1	4	142	..	35·03	199	140
d Taunton (Vivary Park)	Medical Officer of Health ..	5	1	0	71	29·5	30·55	192	140
d Queen Camel (England's Side)	J. A. Brendon, Esq.	5	1	0	100	..	33·96	189	144
d Taunton (Weir House)	Miss E. C. Lance	8	1	0	20	..	34·74	213	158
d Milverton (Old Halls)	Mrs. Bere	5	1	8	250	..	40·46	199	157
d Milverton (Spring Grove)	J. O. Lloyd, Esq.	5	1	0	500	36·7	42·06	212	154
d Wiveliscombe (Culverhead)	Lt. Col. H. Jefferys Taylor, D.S.O. ..	5	1	0	430	39·6	42·40	181	151
d Langport (The Grange) new g	Miss V. M. Page	5	1	0	50	..	30·18	181	133

* Per Mid-Wessex Rainfall Association.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
			Rim	Ground	Rain-fall.			
			above	above	Sea Level.			
			ft.	ft.	in.	in.		
SOMERSETSHIRE—(con.).								
3.—PARRETT—(con.).								
d Langport (Council School).....	H. G. Jefferies, Esq.	5	1 0	52	28.1	33.55	172	130
d North Cadbury	H. R. Watson, Esq.	5	1 0	250	..	37.47	201	141
d Somerton (The Grange)	R. W. Pretor-Pinney, Esq. .	5	1 0	106	27.8	31.65	176	131
d Wiveliscombe (Council School) ..	The Headmaster	5	1 1	410	..	46.07	192	167
d Wiveliscombe (Bulland Lodge)	Mrs. A. J. Capel	4	0 10	750	..	46.33	199	173
d Bishop's Lydeard (Ash Priors).....	H. Ross, Esq.*	5	0 8	200	..	35.83	202	151
d Kingston St. Mary Hill (Hill Fm.) ..	W. H. L. Hurman, Esq.	5	0 8	247	..	36.18	189	161
d Bishop's Lydeard (Watts Ho.)	Sir Gerald Boles, Bt.* ..	5	1 2	320	..	37.18	189	156
d Taunton (East Lyng)	J. T. Ames, Esq.*	5	1 0	43	..	29.48	172	137
d Spaxton (Bush House)	Capt. A. M. Stancomb, R.N. .	5	1 0	350	..	36.98	187	138
d Bridgwater (Durleigh)	The Borough Surveyor ..	8	1 0	46	..	32.71	190	121
d Bridgwater (Blake Gardens)	R. A. Watson, Esq.	5	3 1	27	28.5	32.67	190	136
d Bridgwater (Wembdon Rd.)	H. Corder, Esq.	5	0 6	30	..	31.67	181	130
d Over Stowey (Quantock San.)	Medical Superintendent ..	8	1 0	500	..	40.02	180	156
d Cannington (Ashford)	R. A. Watson, Esq.	5	1 1	102	31.4	31.45	166	122
d CANNINGTON (Som. Farm Inst.) ..	The Principal	5	1 0	95	..	31.04	198	129
d Bridgwater (Fiddington)	J. M. Lee, Esq.	5	1 0	100	..	34.73	189	136
4.—NORTH COAST STREAMS. 158 sq. mi.								
d Elworthy (Willett)	H. C. Venning, Esq.	5	1 0	450	35.1	41.06	191	162
d Crowcombe (Rexton Gorse)	R. Cooper, Esq.	5	0 10	530	..	41.75	..	132
d Crowcombe (Crowcombe Ho.)	Dr. B. M. Young	5	1 0	474	..	40.55	210	160
d Croydon Hall	Capt. J. W. Bridges	5	2 5	500	37.8	40.96	200	157
d Bicknoller (Ford)	John Tracey, Esq.	5	1 2	150	33.0	37.72	217	146
d Dodington	Miss W. J. Malet	5	1 0	450	..	38.40	181	142
d Williton (Aller Farm)	R. G. Hosegood, Esq. ‡ ..	5	3 0	200	32.4	34.75	..	..
d Williton (Eastfield)	Miss E. Heathcote	5	1 0	200	..	34.48	191	137
d Williton (The White House)	S. L. Rogers, Esq., J.P. .	5	1 0	97	30.6	33.10	179	134
d Williton (Catwell)	Mrs. F. S. Hayne	5	1 0	75	..	34.70	189	140
d Kilve Court	Mrs. Cooke-Hurle	5	1 0	150	30.0	33.45	198	137
d Kilve (Harefield)	E. Preedy, Esq. ‡	5	0 7	300	..	34.84	..	..
d Old Cleeve	Rev. Preb. E. P. Liddon ..	7	1 0	150	30.8	33.60	215	138
d Stogursey (Fairfield House)	Lord St. Audries	5	1 0	150	31.1	31.94	196	140
d Bridgwater (Stockland Manor)	Lt.-Col. H. T. Daniel* ..	..	..	..	..	31.34	173	135
d Carhampton (The Croft)	E. W. Darby, Esq.	5	1 0	100	..	36.43	214	170
d Wootton Courtney (Greenacres) ..	Dr. K. Anderson	5	1 6	400	34.0	36.56	186	151
d Dunster Castle Gardens	Mr. S. Hardwick	8	0 6	100	..	34.51	..	..
d Dunster (Council School)	P. R. Day, Esq.	5	1 0	160	32.2	34.57	191	135
d Stolford (Whitewick Farm)	C. C. Mackenzie, Esq.	5	0 9	10	..	31.21	184	134
d Minehead (Blenheim Gardens)	A. Douglas Barron, Esq. .	5	1 0	37	33.4	33.90	186	145
d Minehead (Weirfield)	Rev. A. G. Robinson	5	0 11	110	..	33.10	209	148
d Porlock (Lynch Mead Bossington) ..	J. Dyke Acland, Esq.	5	1 3	113	34.0	32.51	193	138
d Porlock (Bush Steep)	Mrs. W. P. Holmes	5	0 9	130	33.2	40.92	184	143
d West Porlock House	Mrs. G. Blathwayt	5	1 6	40	42.7	45.35	181	152
d West Porlock (Underway)	N. G. Haddon, Esq. ‡ ..	5	1 0	80	45.0	46.88	..	..
d Culbone (Lillycombe)	E. T. MacDermot, Esq.	5	1 0	1210	51.4	56.86	255	180
5.—EXE. 122 sq. mi.								
d Churchstanton (Stapley)	The Misses Church	5	1 0	600	..	49.10	214	176
d Churchstanton (Widcombe)	G. Clinton Baker, Esq.	8	1 0	900	..	44.01	211	159
d Exbridge	Exe Valley Fishery Co.	5	3 0	420	43.3	50.39	196	164
d Brushford Rectory	Rev. B. J. de Boe	5	1 0	450	44.5	52.65	197	167
d Brushford Nurseries	Mr. G. Ruff	5	1 0	450	43.8	52.67	208	172
d East Anstey (Dassels)	Major Farquhar	5	1 0	850	..	50.37	209	177
d Dulverston (C.E. School)	C. J. R. Weaver, Esq.	5	0 9	550	47.8	59.86	197	175
d Winsford	Capt. R. S. Le Bas	5	1 0	620	54.3	58.83	210	177
d Exford (Stockleigh Lodge)	Mrs. Wiggint	5	1 0	1000	55.4	63.63	..	..
6.—AXE. 42 sq. mi.								
d Wayford Manor	H. L. P. Baker, Esq.	5	0 10	425	..	44.05	..	149
d Cricket St. Thomas	Mr. C. G. Rose	5	1 0	444	39.3	46.05	185	166
7.—STOUR. 35 sq. mi.								
d Temple Combe Rectory	Rev. Preb. R. W. Windsor* .	5	1 4	250	34.9	44.19	164	142

* Per Mid-Wessex Rainfall Association.

‡ Per S. L. Rogers, Esq.

DIVISION VI—WEST MIDLAND COUNTIES.

STATIONS.	AUTHORITIES.	Diana.	Rain-gauge					1939.		
			Height of		Average			Rain-fall.	Days with Rain-fall.	Days with Rain-fall.
			Rim	Ground	Rain-fall.	Ground.	Sea Level.			
			above	above	above	above	above			
			Ground.	Sea Level.	Ground.	Sea Level.	Ground.			
			ft.	in.	ft.	in.	ft.	in.		
GLOUCESTERSHIRE. (Area, 1,237 sq. mi.).										
1.—WYE. 50 sq. mi.										
D Chepstow (Castleford).....	Mrs. W. R. Lysaght.....	5	1	0	146	35.8	40.2	182	142	
D Redbrook Pumping Station.....	C. W. D. Ward, Esq.....	5	1	0	225	..	35.81	191	130	
D English Bicknor (Bicknor House).....	T. F. Harvey, Esq.....	5	1	0	490	32.6	33.95	171	139	
2.—SEVERN—Right Bank Tributaries. 185 sq. mi.										
D Forest of Dean (PARKEND).....	Forestry Commission.....	8	1	0	325	..	37.43	186	145	
D Coleford (Cannop Colliery).....	The Manager.....	5	1	0	330	..	36.85	191	140	
D Newnham-on-Severn School.....	The Headmaster.....	5	1	0	100	..	39.13	..	142	
D Westbury-on-Severn (Ninnage L.).....	L. Kent, Esq.....	5	1	0	120	29.2	34.46	..	132	
D Newent (Taynton).....	M. Phillips Price, Esq.....	5	1	0	60	29.3	32.01	186	142	
D Newent (Clifford's Mesne).....	H. M. Monk, Esq.....	5	1	3	425	..	34.38	199	142	
D Oxenhall (Dymock Woods).....	Forestry Commission.....	8	1	0	232	27.6	31.58	149	126	
D Bromsberrow Heath Pump. Stn.....	W. Osborne Thorp, Esq., C.E.....	5	1	0	181	26.2	29.12	167	124	
D Tewkesbury (Forthampton Ct.).....	Mr. B. Webster.....	5	1	0	48	26.9	26.75	156	123	
D Tewkesbury (Upper Lode).....	J. E. Bradley, Esq.....	5	1	0	41	25.2	26.46	164	123	
3.—SEVERN—Left Bank Tributaries. 369 sq. mi.										
D Shirehampton (Kings Weston).....	P. Napier Miles, Esq.....	8	1	0	220	..	32.43	190	126	
D Thornbury (Thornbury Park).....	Capt. R. A. Bennett.....	5	1	3	70	32.2	33.70	175	133	
D Tortworth School.....	E. A. Smith, Esq.....	5	1	6	264	31.8	36.75	192	146	
D Berkeley Castle Gardens.....	Mr. T. B. Ashbee.....	5	1	6	60	29.1	33.96	160	132	
D Cam (Drake Lane).....	F. G. Francis, Esq.....	5	1	0	350	..	37.20	182	138	
D Nailsworth (Three Corners).....	F. R. Rushton, Esq.....	5	0	9	325	34.0	37.08	209	143	
D Berkeley (Sharpness Docks).....	A. J. Cullis, Esq., C.E.....	5	1	3	50	29.5	34.73	173	143	
D Minchinhampton (Box House).....	Mrs. J. H. Sharp.....	5	1	0	500	..	40.62	216	150	
D Minchinhampton (The Shard).....	E. H. Denne, Esq.....	5	0	8	500	32.0	34.53	182	141	
D Minchinhampton (Rectory Cott.).....	G. W. Fisher, Esq.....	5	1	0	610	33.9	37.08	191	135	
D Minchinhampton (Camp Field).....	Miss B. M. Legh.....	5	1	6	640	33.9	40.29	188	139	
D Stroud (Woodchester).....	Major-Gen. Sir H. E. Stanton.....	5	0	10	300	..	38.55	192	154	
D Chalford W.W.....	Stroud Water Co.....	5	2	0	241	..	36.95	174	142	
D Frocester Manor.....	Capt. J. E. H. Graham-Clarke.....	5	1	3	80	..	34.43	..	..
D Stroud (Thrupp).....	George G. Loane, Esq.....	5	1	0	300	..	37.26	194	139	
D Stroud (Stanley Park Gdns.).....	Sir P. S. Marling, Bt., V.C., C.B.....	8	1	0	365	33.2	37.65	..	147	
D Stonehouse (Wycliffe College).....	W. A. Sibly, Esq.....	5	1	0	120	29.0	31.98	163	132	
D Stonehouse (Gloucester Rd.).....	B. D. Parkin, Esq.....	5	1	0	150	..	34.60	190	135	
D Stroud (Berrimans).....	The Late E. Armitage, Esq.....	5	1	0	750	34.0	39.39	..	..
D Whitminster (Parklands).....	W. Grey Robinson, Esq., J.P.....	5	1	3	103	..	34.44	186	133	
D Miserden Park.....	The Agent.....	5	1	2	780	..	41.66	202	163	
D Whitminster (The Junction).....	A. J. Cullis, Esq., C.E.....	5	1	0	32	..	32.78	190	140	
D Haresfield Court.....	Miss Tidswell.....	5	1	0	100	30.2	33.71	176	134	
D Harescombe Grange.....	Stamford Hutton, Esq.....	5	1	0	557	29.3	35.41	195	149	
D Cranham (Woodside).....	J. H. Edwards, Esq.....	5	1	5	650	..	34.65	227	139	
D Quedgeley House.....	The Head Gardener.....	5	1	3	65	27.9	32.11	177	141	
D Witcombe Reservoir.....	C. J. Scudamore, Esq., C.E.....	8	1	0	297	29.2	33.06	194	134	
D Brockworth (The Kia).....	Mrs. Grace Buckle.....	5	1	4	220	27.1	30.60	182	123	
D Gloucester (The Lannett).....	R. H. Ellis, Esq.....	5	1	3	56	26.6	29.50	174	128	
D Gloucester (Llanthony Lock).....	J. E. Bradley, Esq.....	5	1	2	39	25.4	27.57	156	134	
D Gloucester (Maisemore Lock).....	J. E. Bradley, Esq.....	5	1	1	39	25.1	25.58	169	132	
D Churchdown (Barrow Hill).....	Mrs. J. H. Jones.....	5	1	0	225	27.9	30.91	157	126	
D Dowdeswell Reservoir.....	G. Gould Marsland, Esq., C.E.....	5	1	3	357	30.0	33.94	176	141	
D Cheltenham (Hewletts Res.).....	G. Gould Marsland, Esq., C.E.....	8	1	6	419	27.7	33.90	185	142	
D Cheltenham (Sandford Mead).....	G. Gould Marsland, Esq., C.E.....	5	2	4	210	26.3	31.27	172	137	
D CHELTENHAM (Montpellier Gds.) (+ A).....	The Town Clerk.....	5	1	0	214	26.5	29.57	167	134	
D Prestbury (Delhome).....	Miss E. M. Heberden.....	5	0	9	300	..	33.30	196	152	
D Tewkesbury Pumping Station.....	G. Gould Marsland, Esq., C.E.....	5	1	0	47	23.9	26.12	170	122	

§ Turf wall round gauge.

DIVISION VI—WEST MIDLAND COUNTIES—(con.).

		Rain-gauge				1939.			
STATIONS.	AUTHORITIES.	Diam.	Height of		Average Rain-fall.	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.	
			Rim above Ground.	Ground above Sea Level.					
GLOUCESTERSHIRE—(con.)									
4.—SEVERN—Upper Avon. 68 sq. mi.									
d Winchcomb (Corndean Hall)	Capt. G. N. Reynolds	5	1	3	600	..	36·94	184	144
d Blockley	Miss E. M. Richardson	5	1	0	550	29·4	34·06	184	136
d Winchcombe (Sudeley Castle)	Major J. H. D. Brocklehurst	5	1	0	357	29·8	34·89	186	139
d Broadway (Buckland Manor)	Mr. J. Whiteley	5	1	0	300	27·7	31·27	168	141
d Chipping Campden (Leysbourne)	Miss C. Sparling	5	1	0	490	..	35·19	185	136
d Campden (Research Station)	The Director	5	1	0	389	..	32·89	194	141
5.—LOWER AVON & C. 208 sq. mi.									
d Bath (Monkswood Reservoir)	Bath Corporation W.W.	5	1	0	365	..	38·12	201	151
d Bristol (Sparke Evans Pk.)	(+A) The City Engineer	5	1	0	29	..	33·15	177	130
d Marshfield (Ashwicke)	Major M. E. W. Pope	5	1	0	600	..	40·33	..	134
d Bristol (Tyndalls Park)	O. W. Dunscombe, Esq.	5	1	6	150	33·1	34·06	201	136
d Bristol (Hopewell Hill)	W. Gloucester Water Co.	5	1	0	378	30·5	33·16	174	134
d Clifton (Oakfield Road)	A. M. Paterson, Esq., C.E.	5	1	0	200	33·0	33·85	184	134
d Clifton (All Saints Road)	H. T. Coles, Esq.	5	0	11	200	..	34·92	196	131
d Bristol (St. Andrew's Park)	H. Vicars Webb, Esq.	5	1	6	200	32·6	33·46	185	130
d HORFIELD	(+A) G. H. Brown, Esq.	5	1	0	206	..	33·85	198	137
d Frampton Cotterell (Park Ho.)	H. H. Harding, Esq.	5	1	0	158	29·8	31·77	197	135
d Badminton Gardens	The Head Gardener	5	1	0	407	..	40·13	183	152
d Shipton Moyne P.S.	W. Gloucester Water Co.	5	1	0	312	..	34·73	194	143
d Long Newton	Mr. P. A. Day	5	1	0	350	..	33·55	177	135
6.—THAMES—Right Bank Tributaries. 17 sq. mi.									
7.—THAMES—Windrush & c. 340 sq. mi.									
d Somerford Keynes (Manor Ho.)	F. Fawcett, Esq.	5	0	9	340	27·9	34·24	172	140
d Fairford (Dunfield, Kempsford)	A. T. Iles, Esq.	5	1	0	260	25·6	31·45	189	138
d Lechlade (St. John's Lock)	Thames Conservancy	5	1	7	237	24·3	31·73	182	132
d Lechlade (Claydon House)	T. T. S. Metcalfe, Esq.	5	1	0	250	25·9	33·03	184	136
d Fairford (Draycott)	Miss F. A. Edmonds	5	2	0	200	..	34·10	165	135
d Cirencester (Waterton House)	Alex McIntyre, Esq.	5	1	0	330	..	35·89	176	140
d Cirencester (Gwynfa)	Nigel Woods, Esq.	5	1	0	354	30·8	37·09	204	145
d Daglingworth Manor	Mr. D. W. Harvey	8	0	10	450	32·2	39·22	204	150
d Colesborne (Marsden Manor)	Capt. A. A. Sidney Villar	5	0	10	480	..	39·54	..	145
d Great Barrington	H. J. Barrett, Esq.	5	1	6	417	28·8	33·19	186	140
d Northleach (Sherborne House)	The Rt. Hon. Lord Sherborne	5	1	6	440	30·7	37·15	174	142
d Northleach (Leygore Manor)	Arthur E. Moss, Esq.	5	1	0	580	29·4	35·28	201	146
d Andoversford (Hampen House)	Rear Adm. J. S. Salmond, R.N.	5	1	0	730	..	33·96	191	143
d Bourton-on-Water (Eastfield)	E. W. Kendall, Esq.	5	1	6	434	30·1	37·14	171	132
d Bourton-on-Water (Chardwar)	Miss A. B. Moore	5	1	6	436	30·3	36·52	175	140
d Stow-on-the-Wold (Icomb Place)	Capt. G. H. Simpson Hayward	8	1	6	500	29·3	37·85	180	149
d Stow-on-the-Wold (Icomb Hill)	Capt. Alan Gee	5	0	10	600	..	34·79	160	143
d Winchcombe (Temple Guiting Ho.)	Major C. Stacey	5	1	3	700	31·6	35·89	193	141
HEREFORDSHIRE. (Area, 840 sq. mi.).									
1.—WYE. 685 sq. mi.									
d Walford (Hill Court Gardens)	Mrs. G. R. Trafford	5	1	1	126	28·4	31·48	175	120
d Ross-on-Wye	(+A) F. J. Parsens, Mus. Bac. (M.O.)	5	1	0	223	28·2	27·63	177	123
d Ross (Birchlea)	Miss M. L. Southall	5	1	0	210	28·2	29·82	186	123
d Bridstow (Ashe Leigh)	Major W. Stanley R. Cox	5	1	6	225	27·4	27·54	175	126
d Ross (The Chantry)	M. F. Maclean, Esq.	5	1	0	500	..	30·10	188	133
d Terrystone Court	Lt.-Gen. G. S. Clive, D.S.O.	5	1	3	450	25·5	30·93	172	131
d Vowchurch (Ladywell House)	A. S. Wood, Esq.	5	1	0	400	34·9	40·26	198	158
d Hampton Bishop	C. Langley, Esq.*	5	1	0	145	..	29·13	..	..
d Hereford (BELMONT ABBEY)	The Abbot	8	1	0	292	27·5	31·76	..	128
d Peterchurch (Hinton Hall)	F. Boddington, Esq.	5	1	0	480	..	40·08	187	141
d Hereford (Breinton Court)	Mrs. R. E. H. Bailly	5	1	0	238	25·9	26·71?	184	131
d Tarrington (Aldersend)	J. H. Whiting, Esq.	5	1	2	360	..	29·77	189	133
d Hereford (Castle Street)	E. H. Morris, Esq.	5	1	6	187	..	27·00	178	126

* Per River Wye Catchment Board.

DIVISION VI—WEST MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain-fall.	1939.			
			Height of		Rain-fall.		Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.	
			Rim above Ground.	Ground above Sea Level.						
HEREFORDSHIRE—(con.).			in.	ft.	in.	ft.	in.	in.		
1.—WYE—(con.).										
D Dorstone (Oaklands)	Robert Gray, Esq.	5	1	0	486	..	37·51	206	147	
D Bartestree (Pomona Fruit Fm.)	The Secretary	5	1	0	270	..	25·75	..	..
D Hereford (Holmer Hall)	Miss M. S. Hopton	5	1	7	244	25·1	27·31	187	130	
D Tyberton Court	Major C. B. Lee-Warner	5	0	10	276	..	36·18	172	141	
D Credenhill (Stretton Sugwas)	Mrs. S. H. Armitage	5	1	0	226	25·8	29·51	186	145	
D Credenhill	F. E. Whiting, Esq.	5	1	5	275	27·5	29·68	162	142	
D Westhide (The Court)	H. R. Jenkins, Esq.	5	1	0	250	..	26·68	200	122	
D Clifford School	The Headmaster	5	1	7	490	..	36·09	202	136	
D Burghill (Hereford Co. Mental H.)	The Medical Superintendent	5	1	0	300	26·3	28·00	189	136	
D Ocle Pychard (Ocle Court)	Mrs. Cresswell	8	1	0	298	27·8	30·69	182	134	
D Weobley (Garnstone)	Lt. Col. R. N. H. Verdin	5	1	2	442	..	30·60	195	139	
D Sarnesfield Court	Rev. W. Marshall	5	1	0	378	..	30·32	196	144	
D Pembridge (Burton Court)	Mrs. P. Clowes	5	1	6	400	28·4	30·91	206	144	
D Hope under Dinnore	Messrs. Cadbury Bros. Ltd.*	5	1	0	246	..	29·35	..	..
D Bromyard (Birchfields)	Lt.-Col. J. E. Knott, D.S.O.	5	1	3	545	..	28·47	..	..
D Kington (Huntington Park)	S. H. Romilly, Esq.	5	1	2	670	..	36·13	181	151	
D BROMYARD (Dumbleton Cot.)	Miss M. A. Philpott	5	1	0	393	29·0	31·43	191	128	
D Kington (Lynhales)	Mrs. R. F. Hibbert	5	1	0	620	32·8	33·30	201	143	
D Lyonshall (Castle Weir)	Col. H. R. Pettit	5	1	0	475	..	32·84	..	..
D Kington (Hill Court)	J. E. Barendt, Esq.	5	1	7	595	..	37·53	206	159	
D Monkland Cottage	Capt. N. J. Bengough	5	1	1	450	..	25·57	160	118	
D Leominster (Hennor)	Capt. L. R. Hibbert	5	1	1	417	..	27·44	176	132	
D Kimbolton (Grantsfield)	J. M. Hutchinson, Esq.	5	1	0	424	28·4	28·56	176	134	
D Shobdon (Ty'n-y-Coed)	Miss Woodhouse	5	1	0	450	..	31·65	185	142	
D Presteigue (Middlemoor)	A. M. Wilson, Esq.	5	1	0	480	..	34·43	191	148	
2.—SEVERN—Right Bank Tributaries. 155 sq. mi.										
D Ledbury (Donnington Hall)	Col. C. Spence-Colby, C.M.G.	5	0	9	240	..	29·31	168	119	
D Much Marcle (The Mount)	Miss A. M. Charles	5	1	0	240	25·8	29·98	168	129	
D Much Marcle (Hall Court)	Mrs. J. J. S. Powell	5	1	0	200	..	29·47	158	126	
D Ledbury (The Twerne)	L. J. C. Riley, Esq.	5	1	0	400	..	32·43	..	145	
D Colwall (The Downs)	F. M. Day, Esq.	5	1	0	500	..	30·57	175	128	
D Colwall (Boys' School)	The Headmaster	5	0	3	400	..	30·25	153	129	
SHROPSHIRE (Area, 1,343 sq. mi.).										
1.—MERSEY—Weaver. 27 sq. mi.										
2.—DEE. 30 sq. mi.										
D Adderley (Raven House)	Mrs. Edmond Browne	5	1	0	270	..	33·34	199	152	
D Ellesmere (Seven Sisters)	C. Adam, Esq.	5	0	10	300	..	33·34	213	147	
D Whitchurch (Fenns Bank)	M. W. Sowden, Esq., C.E.	8	1	0	271	27·1	33·37	187	138	
D Overton (Sodylt Hall)	W. H. Horsfall, Esq.	5	1	0	266	29·7	35·68	171	154	
3.—SEVERN.—Right Bank Tributaries. 722 sq. mi.										
D Bucknell Vicarage	Rev. W. A. Woodhouse	5	1	0	480	..	34·40	188	146	
D Ludlow (Hill Crest)	C. B. Marston, Esq.	5	1	3	350	..	29·60	170	126	
D Bromfield (Oakly Park)	The Head Gardener	5	1	5	300	29·7	28·55	184	129	
D Bromfield (Warwick House)	F. Brayshaw, Esq.	5	1	0	320	30·3	30·33	198	136	
D Bitterley Grammar School	The Headmaster	5	1	0	509	28·1	32·91	..	124	
D Stanton Lacy Vicarage	Miss I. Armitage	5	1	0	304	28·1	30·69	175	143	
D Culmington Manor	T. W. Shaw, Esq.	8	1	6	600	29·6	31·84	156	136	
D Burwarton (Dingleheys)	R. B. C. Edwards, Esq.	5	0	11	730	..	33·76	173	137	
D Burwarton Hall	Rt. Hon. Viscount Boyue	5	0	9	894	33·6	35·44	196	153	
D Craven Arms (Westhope Cottage)	Mrs. L. S. Swinnerton Dyer	5	0	11	610	..	29·63	181	136	
D Lydbury North	Erskine Edmonds, Esq.	5	1	0	500	..	37·42	220	154	
D Lydbury North (Totterton)	Major W. H. B. Whitaker	5	0	6	700	30·8	35·36	213	167	
D Bishops Castle (The Vicarage)	Rev. Canon H. J. Smith	5	1	7	596	32·8	34·96	199	150	
D Bishops Castle (The Mount)	F. Lavender, Esq.	5	1	0	735	..	31·29	200	149	
D Church Stretton (Sewage Works)	E. J. Marsh, Esq.	5	1	0	582	33·7	36·37	222	162	
D Church Stretton (St. Margaret's)	Rev. J. H. Kidson	5	0	11	672	..	(39·48)	(207)	(176)	

* Per River Wye Catchment Board.

DIVISION VI—WEST MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average		Rain-fall.	Day with .01 in. or more.	Day with .04 in. or more.
			Rim above Ground.	Ground above Sea Level.	Rain-fall.				
SHROPSHIRE—(con.).			in.	ft. in.	ft.	in.	in.		
3.—SEVERN—(con.).									
d Bridgnorth (Morville Hall)	Dr. W. J. S. Bythell	5	1	0	320	28-08			
d Bridgnorth (Cantreyn)	W. Bayliss, Esq.	5	1	0	290	30-94	187	134	
d Chirbury (Marrington Hall)	J. t. Col. S. D. Price-Davies ..	5	1	0	490	32-00	184	143	
d Church Stretton (Woolstaston) ...	A. M. Parry, Esq.	5	1	4	750	36-70	184	162	
d Broseley (Boys' School)	The Headmaster	5	0	8	485	29-10	181	128	
d Cressage (Harnage Grange)	Lt. Col. G. P. Pollitt	5	1	0	420	29-59	196	144	
d Worthen	Dr. D. M. Hunter	5	1	0	395	36-16	212	160	
d Shrewsbury (Wenlock Road)	L. W. Sharpe, Esq.	5	1	0	229	27-30	210	145	
d Meole Brace Hall	J. B. Hoare, Esq.	5	1	1	250	27-65	178	138	
d Shrewsbury (Beckbury House)	G. H. Horsfall, Esq.	5	0	9	220	29-65	184	149	
d Shrewsbury (Cophorne)	W. H. Purslow, Esq.	8	1	0	252	27-32	210	135	
d Shrewsbury (Longden Road)	Miss M. Deedes	5	1	6	250	28-52	185	140	
d SHREWSBURY (Monkmoor)	Medical Officer of Health ..	8	1	0	184	29-01	193	149	
4.—SEVERN.—Left Bank Tributaries. 564 sq. mi.									
Bridgnorth (Coton Hall)	Capt. W. Colville	5	1	6	460	30-43	178		
d Bridgnorth (Stanmore Hall)	The Hon. E. Hamilton-Russell. ..	5	1	0	297	28-86	194	131	
d Ackleton (The Folley)	H. J. Bath, Esq.	5	1	0	230	28-92	180	135	
d Shifnal (Ryton Rectory)	Rev. C. F. Ford	5	1	1	270	30-57			
d Shifnal (Hatton Grange)	Mr. C. Smith	5	1	6	262	28-18	195	136	
d Madeley (C. E. Schools)	The Headmaster	5	1	0	373	30-76	188	143	
d Shifnal (Cosford W.W.)	B. L. McMillan, Esq., C.E. ..	5	0	11	222	29-35	178	137	
d Wellington W.W. (Wrekin Res.) ..	W. Walker, Esq.	5	1	4	478	36-48	175	152	
d Wellington (Aliscott)	British Sugar Corp., Ltd. ..	5	0	9	200	27-78	171	135	
d Shrewsbury (Coton Hill)	Dr. M. Gepp	5	1	0	180	26-58	187	139	
d Newport (Aston Hall)	Col. R. Leeke	5	0	11	280	29-36	181	141	
d Pentreheylin Hall	H. P. Hall, Esq.	8	1	6	200	31-47			
d Newport (Harper Adams Ag. Coll.) ..	The Principal	5	1	0	211	29-53	185	139	
d Newport (Chetwynd Park)	Mrs. Burton Borough	5	1	0	240	34-61	211	138	
d Grinshill (Sansaw Hall Gardens) ...	Mrs. Brian Bibby	5	1	3	300	30-82	210	143	
d Cheswardine (Knighton Res.)	Canal Engineer, L.M.&S.R. ..	5	1	0	351	33-77	177	147	
d Wern (Senior Schools)	The Headmaster	5	0	9	260	28-42	193	156	
d Cheswardine Hall	Col. R. C. Donaldson Hudson ..	5	1	6	530	34-94	186	161	
d Oswestry (Mount Res.)	J. E. Taylor, Esq., C.E. ..	5	1	0	698	43-01	202	165	
d Oswestry (Cross Street)	A. R. Mackavoy, Esq.	5	1	0	398	41-87	198	154	
d Norton-in-Hales School	Chas. Chadwick, Esq.	5	1	3	350	37-43		154	
STAFFORDSHIRE. (Area, 1,166 sq. mi.).									
1.—MERSEY—Weaver. 50 sq. mi.									
d Madeley Vicarage	Rev. W. Garner*	5	1	0	350	34-65	183	149	
d Biddulph Grange	The Secretary	5	1	5	572	35-60	183	155	
2.—SEVERN—Left Bank Tributaries. 160 sq. mi.									
d Kinver (Prestwood)	F. J. Dixon, Esq., C.E.	5	1	0	179	30-31	184	140	
d Kingswinford (Ashwood P.S.)	F. J. Dixon, Esq., C.E.	5	1	0	207	29-59	175	138	
d Wolverhptn. (Dimmingsdale W.W.) ..	B. L. McMillan, Esq., C.E.	5	0	9	323	28-40	175	134	
d Wolverhampton (West Park)	Dr. R. H. H. Jolly	5	1	0	430	30-83	191	140	
d Tettenhall (The Hollies)	R. C. Sikes, Esq., C.E.	5	1	0	355	30-42	188	139	
d Tettenhall Waterworks	B. L. McMillan, Esq.	5	0	10	468	30-72	197	140	
d Shifnal (Weston Park)	Earl of Bradford	5	1	6	400	34-86	201	142	
d Norbury Junction	Canal Engineer, L.M.&S.R. ..	5	1	0	331	31-43	172	139	
d MARKET DRAYTON (Ches. J. San.) ..	The Medical Supt.	5	1	0	581	32-86	185	149	
d Maer Hall Gardens	Miss Harrison, M.B.E.	8	1	0	390	38-07	184	156	
3.—TRENT—Right Bank Tributaries. 513 sq. mi.									
d West Bromwich	(+A) The Borough Engineer ..	8	1	7	543	29-56	169	138	
d Wednesbury (Ocker Hill)	Birmingham Canal Navgtn. ..	5	1	0	476	31-76			
d Walsall (Beacot Sewage Farm)	M. E. Habershon, Esq.	5	0	11	376	31-03	190	138	
d Walsall (Pleck)	J. C. W. Day, Esq.	5	1	0	400	30-75	182	137	

* For Cheshire Rivers Catchment Board.

DIVISION VI—WEST MIDLAND COUNTIES—(con.).

		Rain-gauge				1939.		
STATIONS.	AUTHORITIES.	Diam.	Height of		Average Rain-fall.	Rain-fall.	Day with .01 in. or more.	Day with .04 in. or more.
			Rim above Ground.	Ground above Sea Level.				
STAFFORDSHIRE—(con.).		in.	ft.	in.	ft.	in.	in.	
3.—TRENT—Right Bank Tributaries—(con.).								
d Walsall (Gorway)	J. Cleland, Esq.	5	1	0	440	..	30.99	164 136
d Darlaston (Sewage Works)	S. E. Hammonds, Esq.	8	1	6	393	..	29.61	172 132
d Willenhall Sewage Works	The Engineer and Surveyor	5	0	9	390	..	(32.40)	(163) (131)
d Bilston (The Lunt Outfall)	A. F. B. Sidwick, Esq., C.E.	8	1	0	419	27.3	32.47	185 139
d Aldridge (Bourne Vale)	F. J. Dixon, Esq., C.E.	5	1	0	419	25.1	30.02	181 145
d Wolverhptn. (Short Heath Cl. Sch.)	The Headmaster	5	1	0	488	..	35.59	186 146
d Shenstone (Little Hay)	F. J. Dixon, Esq., C.E.	5	1	0	298	..	28.82	173 130
d Bloxwich (Sneyd Res.)	Birmingham Canal Navgtn.	5	1	0	507	25.5	32.57	.. ..
d Pelsall (Goscote Sew. Wks.)	M. Habershon, Esq.	5	1	0	435	..	34.12	189 149
d Tamworth (Sewage Pumping Stn.)	K. Price, Esq.	8	0	10	192	..	26.62	173 122
d Brownhills (Sandhills)	F. J. Dixon, Esq., C.E.	5	1	0	407	..	33.39	190 148
d Brownhills	S. Harrison, Esq., C.E.	5	1	8	492	26.8	31.12	187 138
d Chasetown	Cannock Chase Colliery Ltd.	5	1	0	508	..	33.84	172 137
d Brewood (Slade Heath P.S.)	F. J. Dixon, Esq., C.E.	5	1	0	340	24.9	32.09	169 143
d Hammerwich (Cannock Chase Res.)	Birmingham Canal Navgtn.	5	1	0	475	25.3	31.34	.. ..
d Whittington (Old Hall)	E. R. Corn, Esq., J.P.	5	1	0	221	..	29.07	167 125
d Cannock (Longford Lane Sew. Wks.)	(+A) Cannock U.D.C.	5	1	0	400	..	29.35	162 127
d Cannock (Heath Hayes Sew. Wks.)	Cannock U.D.C.	5	1	0	530	..	33.93	173 138
d Brewood (Belvide Reservoir)	Canal Engineer, L.M. & S.R.	5	1	0	367	..	32.43	217 145
d Elford	W. H. Haile, Esq., C.E.	5	1	0	178	..	28.54	196 152
d Hednesford (Scout House)	F. J. Dixon, Esq., C.E.	5	1	0	502	..	32.96	185 142
d Rugeley (Longdon Lodge)	F. J. Dixon, Esq., C.E.	5	1	0	413	26.1	24.91	158 136
d Hednesford (Pye Green)	F. J. Dixon, Esq., C.E.	5	1	0	768	..	36.34	190 152
d Lichfield (Hanch Reservoir)	F. J. Dixon, Esq., C.E.	5	1	0	259	26.9	28.93	186 131
d Alrewas (C.E. School)	The Headmaster	5	0	4	150	..	30.18	161 124
d Rugeley (Slitting Mill)	F. J. Dixon, Esq., C.E.	5	1	0	299	..	31.48	179 147
d Rugeley (Brindley Bank)	F. J. Dixon, Esq., C.E.	5	1	0	254	26.6	30.14	172 140
d Rugeley (Nethermoor)	G. H. Grunmitt, Esq.	5	1	0	300	29.6	30.86	167 139
d Milford Waterworks	W. Plant, Esq., C.E.	5	1	0	246	27.5	34.08	183 142
d Stafford (Victoria Pleasure Gnd.)	W. Plant, Esq., C.E.	5	1	6	245	27.2	34.89	176 145
d Eccleshall (Johnson Hall)	Major W. Moat	5	1	2	400	27.5	32.94	183 150
d Yarlet Hall	K. E. Tarling, Esq.	5	1	0	405	..	32.60	180 147
d Eccleshall (Sugnal Hall)	C. F. Lowe, Esq.	5	1	0	430	..	35.95	195 147
d Stone (Meece House)	The Head Gardener	5	1	0	750	28.3	32.94	.. ..
d Standon (Hatton W.W.)	P. Wilkinson, Esq., C.E.	5	1	0	355	29.0	35.67	177 153
d Whitmore Pumping Station	L.M. & S. Rly.	5	1	0	325	..	31.49	.. 131
4.—TRENT—Left Bank Tributaries. 193 sq. mi.								
d Hamstall Ridware (No. 1)	F. J. Dixon, Esq., C.E.	5	1	0	214	..	27.13	169 128
d Hamstall Ridware (No. 2)	F. J. Dixon, Esq., C.E.	5	1	0	240	..	28.39	172 128
d Burton Reservoir	F. J. Dixon, Esq., C.E.	5	1	0	369	25.1	26.44	154 117
d Burton (Shobnall)	Messrs. Bass & Co., Ltd.	5	1	0	157	24.6	27.58	198 125
d Burton-on-Trent (Outwoods)	F. J. Dixon, Esq., C.E.	5	1	0	310	..	28.53	182 124
d Burton (Borough Hospital)	Dr. J. M. Cowie	5	1	0	220	..	28.37	170 122
d Longton (The Meir)	P. Wilkinson, Esq., C.E.	5	1	0	617	31.7	34.63	190 146
d Hanley Sewage Works	W. H. Makepeace, Esq.	5	1	0	386	..	33.73	192 151
5.—TRENT—Dove. 250 sq. mi.								
d Uttoxeter	C. H. Elkes, Ltd.	5	1	0	295	..	(33.81)	(205) (144)
d Rocester (Dove Leys)	Sir Percival Heywood, Bt.	5	1	6	350	33.5	35.88	197 158
d Oakmoor (Lightoaks)	M. A. Bolton, Esq.	5	1	6	650	34.9	36.25	184 152
d MAYFIELD	(+A) Graham C. Lawson, Esq.	8	1	0	374	32.3	34.79	188 144
d Leek (Wall Grange P. Stn.)	P. Wilkinson, Esq., C.E.	5	1	0	456	34.7	34.02	180 148
d Leek (Moorhill)	A. Y. Worthington, Esq.	5	1	0	680	37.2	37.17	191 152
d Leek (Withens, Upper Hulme)	J. A. Gilchrist Esq.	5	1	1	1084	..	36.10	.. ..
WORCESTERSHIRE. (Area, 732 sq. mi.).								
1.—SEVERN—Right Bank Tributaries. 222 sq. mi.								
d Upton-on-Severn (The Eades)	Roger D. Tennant, Esq.	5	0	9	100	26.9	30.59	222 142
d Upton-on-Severn (Berryfield Ho.)	Miss R. V. Naish	5	1	0	50	..	28.28	.. 128
d Malvern (British Camp Res.)	W. Osborne Thorp, Esq., C.E.	5	1	0	677	28.5	28.65?	165 123
d Malvern Wells (White Lodge)	W. W. Boucher, Esq.	5	1	0	500	..	30.40	191 136

§ Gauge over exposed.

DIVISION VI—WEST MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Rim	Height of	Average	Rain-fall.	Day with	Days with
			above	Ground	fall.		·01 in. or more.	·04 in. or more.
			Ground.	Sea Level.				
WORCESTERSHIRE—(con.).			in.	ft.	in.	ft.	in.	
1.—SEVERN—Right Bank Tributaries—(con.).								
Malvern (Barnard's Green)	W. Osborne Thorp, Esq., C.E.	5	1 0	130	..	30·15	163	122
Malvern (Free Library)	W. Osborne Thorp, Esq., C.E.	5	1 0	380	27·6	29·84	170	123
Malvern (Alexandra Rd.)	C. Harington Cotton, Esq.	8	1 2	360	..	29·86	180	129
Malvern (St. James' Road)	Rev. F. H. Fowler	5	1 6	400	..	30·47	180	133
West Malvern	W. Osborne Thorp, Esq., C.E.	5	1 0	832	28·9	30·67	165	123
Malvern (Worcester Road)	Rev. Canon J. L. Bryans	5	0 8	280	..	30·11	159	126
Knightwick Sanatorium	Mrs. H. Gordon Smith	5	1 0	300	25·9	32·37	179	136
Worcester (Diglis Lock)	J. E. Bradley, Esq.	5	1 0	49	24·7	25·91	170	124
Martley Rectory	Rev. J. F. Hastings	5	1 0	220	26·7	30·79	181	133
Shelsley Beauchamp	W. Lionel Moore, Esq.	5	0 10	132	..	28·66	154	117
Ombersley (Holt Lock)	J. E. Bradley, Esq.	5	1 1	55	25·3	26·80	157	128
Stanford Rectory	Rev. J. B. Hewitt	5	1 0	350	28·4	28·72	161	130
Stourton-on-Teme (Eardiston)	Miss M. Wallace	5	1 0	200	26·7	29·69	177	145
Stourport (Astley Towne House)	F. J. Neale, Esq.	8	1 3	190	..	28·26	189	120
Stourport (Dunley Hall)	Sir Sidney Lea, Bt.	5	1 0	240	..	28·22	164	124
Bewdley (Winterdyne)	Miss K. M. Sturt	5	1 0	175	25·9	28·07	191	128
2.—SEVERN—Left Bank Tributaries. 200 sq. mi.								
Earl's Croome Court	The Lady Barbara Smith	5	1 3	55	..	28·92	171	128
Kempsey (Napleton Ho.)	Mrs. K. Berkeley Hill	5	1 3	100	26·9	27·43	..	128
Kempsey Vicarage	Rev. E. B. R. de Jersey	5	0 9	50	..	28·34	175	130
Worcester (Waterworks)	W. Ransom, Esq., C.E.	5	1 0	52	23·2	26·55	169	126
Worcester (Samuel Southall Sch.)	B. Brotherton, Esq.	5	1 0	120	..	(26·99)	(190)	(128)
Worcester (Perdiswell)	The Agricultural Organiser	5	1 0	94	..	27·17	172	128
Worcester (Bever Lock)	J. E. Bradley, Esq.	5	1 1	52	24·5	24·67	189	135
Droitwich (Sewage Works)	Borough Engineer & Surveyor	5	1 0	106	25·4	26·42	173	129
Bromsgrove (Tardebigge Res.)	A. J. Cullis, Esq., C.E.	5	1 0	455	27·5	32·76	197	145
Bromsgrove (Sewage Disp. Wks.)	Bromsgrove U.D.C.	5	1 0	280	..	29·40	158	137
Bromsgrove (Burcot P.S.)	F. H. Bullock, Esq.	5	1 0	432	..	31·21	175	139
Barnt Green (Upwood)	Miss M. Gibbins	5	1 0	650	..	33·95	193	143
Stourport (Lincombe Lock)	J. E. Bradley, Esq.	5	1 0	62	25·6	27·00	..	126
Bromsgrove (Washing Stocks P.S.)	F. H. Bullock, Esq.	5	1 0	366	..	30·75	181	138
Bewdley (C.E. School)	J. Bates, Esq.	8	1 0	70	26·4	27·03	179	128
Kidderminster (Pumping Station)	Sanitary Inspector	5	1 0	103	..	28·95	180	135
Kidderminster (Park Hall)	K. H. Wilson, Esq.	5	1 0	200	25·7	28·72	174	136
Bewdley (Elan Aqueduct)	J. W. Wilkinson, Esq., C.E.	5	1 0	91	26·7	31·48	167	135
Clent Hall	Miss H. M. Wilson	5	1 0	600	..	30·71	188	142
Wolverley (Hill Ho.)	J. Christopher Wilson, Esq.	5	0 9	250	..	29·11	152	127
Halesowen (Roimsley)	F. J. Dixon, Esq., C.E.	5	1 0	616	30·6	34·32	180	146
West Hagley (Glenthorne)	W. Nock, Esq.	5	1 0	400	28·1	29·95	189	142
Pedmore (The Dene)	T. Grazebrook, Esq.	5	0 9	340	26·5	26·43	178	143
Stourbridge (Pumping Station)	G. P. Deeley, Esq.	8	1 0	212	27·1	34·20	172	134
Netherton (Lodge Farm Res.)	Birmingham Canal Navgtn.	5	1 0	445	..	29·88	..	..
Dudley (Tipton Road)	F. H. Gibbons, Esq., C.E.	8	1 0	584	..	28·42	193	138
3.—SEVERN—Upper Avon. 251 sq. mi.								
Bredon (Bredon House)	Col. M. F. Grant	5	1 1	120	24·5	27·82	167	123
Broadway (Farncombe)	Capt. F. Burges, O.B.E.	5	0 5	850	..	33·82	..	151
Eckington (The Orchard)	Rev. C. Price	5	1 0	120	..	27·67	172	118
Evesham (Bengeforth)	Messrs. Ross Bros., Ltd.	5	1 0	128	22·9	28·06	185	131
Evesham (Bretforton Manor)	H. Ashwin, Esq.	5	0 11	130	..	30·69	..	131
Evesham (Sewage Works)	J. Abbott, Esq., C.E.	5	1 9	85	22·6	27·60	166	124
Evesham (High St.)	N. A. Field, Esq.	5	1 2	160	..	27·81	174	131
Pershore (Three Springs)	C. A. Mumford, Esq.	5	4 6	72	..	27·61	175	127
Evesham (Sheriff's Lench)	Dr. G. E. Harthan	5	1 0	350	..	26·83	172	123
Crowle (Manor House)	Miss C. Moore	5	1 0	116	..	27·58	153	123
Alcester (Cookhill)	T. Barber, Esq.	5	1 0	400	24·5	31·88	182	..
Redditch (Hewell Gardens)	Mr. F. Molyneux	5	1 0	469	27·7	34·00	182	147
Alvechurch (Fairfield)	D. McMichael, Esq., J.P.	5	1 0	400	29·4	33·22	169	147
Bromsgrove (Lr. Bittall Res.)	A. J. Cullis, Esq., C.E.	5	1 0	457	..	33·06	193	141

DIVISION VI—WEST MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939..		
			Height of		Average	Rain-	Days	Days
			Rim	Ground	Rain-	fall.	with	with
			above	above	fall.		.01 in.	.04 in.
			Ground.	Sea Level.			or	or
							more.	more.
WORCESTERSHIRE—(con.).			in.	ft. in.	ft.	in.	in.	
4.—THAMES—Windrush & c. 3 sq. mi.								
5.—TRENT—Right Bank Tributaries. 56 sq. mi.								
d Northfield (Frankley Lodge Rd.)	A. A. Barnes, Esq., C.E.	5	1 0	548	..	34.15	210	146
d Oldbury (Barnford Hill Pk.)	W. Greenwood, Esq., C.E.	5	0 9	607	..	34.38	178	142
d Dudley (Bluecoat Sen. Sch.)	S. Wright, Esq.	5	1 3	660	..	30.89	192	147
d Dudley (Shavers End) No. 1	F. J. Dixon, Esq., C.E.	5	1 0	745	..	32.20	190	149
WARWICKSHIRE. (Area, 944 sq. mi.).								
1.—SEVERN—Upper Avon. 640 sq. mi.								
d Long Compton (Weston Park)	Mrs. H. A. Warriner	8	1 0	510	26.5	31.01	..	135
d Tredington	Mrs. N. H. Walton	5	1 0	200	..	(28.61)	(159)	(115)
d Stratford-on-Avon (Crimscote)	Mrs. E. Canning	5	1 3	230	..	28.08	..	127
d Kineton (Kineton House)	J. Fielden, Esq., J.P.	5	1 6	280	..	28.41	184	135
d Stratford-on-Avon (Milcote)	P. C. Smart, Esq., C.E.	5	1 6	122	23.6	31.20	178	142
d Stratford-on-Avon (Thurlaston)	Miss M. A. Everard	5	1 0	131	24.2	29.06	183	132
d Bidford (Moor Hall)	E. H. Cubberley, Esq.	5	1 0	125	24.0	29.81	183	131
d Temple Grafton Court	L. Lonsdale, Esq.	8	1 3	270	24.8	26.07	..	120
d Alcester (Ragley Hall)	Mr. C. Harding	5	1 0	270	25.8	31.45	..	141
d Alcester (Bleachfield Street)	Alcester R.D.C.	5	7 0	127	..	29.70	..	131
d Ashborne (Victoria Cottage)	G. T. Osborn, Esq.	5	1 0	160	24.7	28.19	..	..
d Stratford-on-Avon (Snitterfield)	P. C. Smart, Esq., C.E.	5	1 6	274	25.2	29.21	177	133
d Southam (Stockton House)	G. B. Blyth, Esq.	5	1 0	334	23.1	31.69	175	123
d Studley College	The Headmistress	5	0 9	256	27.0	27.13	169	123
d Warwick Castle Gardens	Mr. H. F. Smale	5	1 0	197	25.3	32.73	184	126
d Warwick (St. Nicholas Pk.)	R. Wormell, Esq., C.E.	5	1 0	155	..	31.37	172	122
d LEAMINGTON SPA (Pump Rm. Gdns.)	Medical Officer of Health	8	1 0	163	24.0	30.02	172	122
d Leamington Spa (Campion Ter. P.S.)	The Borough Engineer	5	1 0	215	..	31.21	167	125
d Warwick (Hatton)	Grand Union Canal Co.	5	1 0	317	..	31.84	162	136
d Leamington Spa (Woodland Grange)	H. M. Blenkinsop, Esq.	8	1 0	200	..	31.49	168	131
d Leek Wootton (The Lodge)	W. F. Mitchell, Esq.	5	1 0	249	..	32.20	196	132
d Rugby (Frankton Manor)	Col. W. H. Biddulph	5	1 0	350	..	32.94	183	135
d Dunchurch Hall	C. H. Cooke, Esq.	5	1 1	400	..	32.69	174	135
d Dunchurch Lodge Gardens	Major H. S. Cayzer	5	1 0	380	24.4	33.52	170	133
d Kenilworth (U.D.C. Offices)	The Surveyor	5	1 6	286	..	32.66	178	123
d Stretton-on-Dunsmore (Manor Ho.)	Mrs. Lister-Kaye	5	1 0	280	..	33.46	182	127
d Rugby (Bilton Grange)	Mr. L. W. Bass	5	1 0	400	..	32.26	182	130
d Rugby (Caldecott)	Headmaster, Rugby School	5	1 0	390	25.6	32.29	182	123
d Rugby (Avon W.W.)	W. H. Spicer, Esq., C.E.	5	1 0	292	..	29.10	177	126
d Ryton-on-Dunsmore (Ryton Ho.)	Charles Browett, Esq.	5	1 2	260	26.0	33.39	157	135
d Coventry (Whitley P.S.)	City Engineer, Coventry	8	1 0	238	..	33.06	167	133
d Coventry (Stoke)	W. R. Griffiths, Esq.	5	1 0	267	..	33.07	159	112
d COVENTRY (City Hospital)	Medical Officer of Health	8	1 0	241	26.0	32.95	162	134
d Nuneaton (Bedworth Waterworks)	Waterworks Manager	5	1 1	337	..	33.90	176	134
d Astley Vicarage	Rev. I. F. H. Carr-Gregg	5	1 0	440	..	31.55	151	134
2.—THAMES—Windrush & c. 2 sq. mi.								
3.—THAMES—Cherwell. 15 sq. mi.								
4.—TRENT—Right Bank Tributaries. 287 sq. mi.								
d Coventry (Balsall St. C. Sch.)	The Headmaster	5	1 3	400	..	33.49	167	132
d Highters Heath Res.	J. W. Wilkinson, Esq., C.E.	5	1 0	517	..	30.58	186	146
d Halesowen (Frankley)	J. W. Wilkinson, Esq., C.E.	5	0 10	571	30.7	34.12	211	151
d Northfield (Bartley Res. No. 1)	A. A. Barnes, Esq., C.E.	5	1 0	600	..	33.42	196	146
d Moseley (Cotton Lane)	U. A. Baker, Esq.	5	1 0	500	..	31.06	179	135
d Bartley (Bromwich Wood)	J. W. Wilkinson, Esq., C.E.	5	1 0	611	..	32.93	196	146

DIVISION VI—WEST MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
				Height of	Average	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
				Rim above Ground. Sea Level.	Ground above Sea Level.			
WARWICKSHIRE—(con.).			in.	ft.	in.	ft.	in.	
4.—TRENT—Right Bank Tributaries—(con.).								
d Selly Oak (Frederick Rd.)	W. Garden, Esq.	5	1	0	540	29·2	32·22	198 150
d BIRMINGHAM (SPARKHILL)	D. H. Owen, Esq.	5	1	0	425	28·1	31·95	183 140
d BIRMINGHAM (EDGBASTON)	Midland Inst. (A. J. Kelley)	8	1	0	535	26·5	30·69	199 141
d Birmingham (Carpenter Road)	L. Ashby Bolton, Esq.	5	1	1	480	28·1	30·59	208 144
d Birmingham (Icknield Port)	Birmingham Canal Navgtn.	5	1	0	459	..	29·64	.. ..
d Birmingham (Stechford)	Birmingham Drainage Bd.	5	1	6	303	..	30·25	178 133
d Birmingham (Saltley S.W.)	Birmingham Drainage Bd.	5	1	0	292	..	31·09	172 143
d Nuneaton (The Quarry)	Miss K. E. Smith	5	1	0	321	..	32·16	181 131
d Ullesthorpe (High Cross)	J. Parker Toone, Esq.	5	1	0	..	..	35·79	192 141
d Birmingham (Handsworth Pk.) (+A)	The City Engineer	8	1	4	424	..	33·32	175 154
d Whitacre (Birmingham W.W.)	J. W. Wilkinson, Esq., C.E.	5	1	0	269	26·0	28·36	181 128
d Birmingham (Erdington)	J. W. Wilkinson, Esq., C.E.	5	1	0	442	..	31·82	179 140
d Birmnghm. (Erdington, Spring Ln.) (+A)	The City Engineer	8	1	0	386	..	33·32	174 138
d Minworth Greaves	Birmingham Drainage Bd.	5	1	6	276	24·3	30·82	182 136
d Birmingham P.S.	R. C. Moon, Esq., C.E.	5	1	3	269	..	28·64	167 119
d Nuneaton (Hartshill Sewage Wks.)	R. C. Moon, Esq., C.E.	5	1	2	288	..	29·63	163 126
d Sutton Coldfield (The Park)	Borough Surveyor	5	1	0	370	26·4	32·68	166 141
d Atherstone (Baddesley Collicry)	The Manager	5	1	6	388	..	27·51	166 119

DIVISION VII—NORTH MIDLAND COUNTIES.

LEICESTERSHIRE. (Area, 824 sq. mi.).

1.—SEVERN—Upper Avon. 41 sq. mi.								
d Welford (The Reservoir)	Grand Union Canal Co.	5	2	0	430	25·1	33·07	210 144
d North Kilworth W.W.	Market Harborough U.D.C.	5	1	0	490	..	32·93	149 124
d Lutterworth (Waterworks)	The Surveyor	8	1	9	414	21·8	32·00	.. 121
2.—WELLAND. 96 sq. mi.								
d Market Harboro' (Coventry Rd.)	G. C. Wooldridge, Esq.	5	1	0	270	..	30·84	197 137
d Market Harboro' (Shrewsbury Ave.)	P. J. Harris, Esq., B.Sc.	5	1	0	356	..	30·03	197 132
d Market Harboro' (Grammar Sch.)	P. J. Harris, Esq., B.Sc.	5	1	0	350	..	28·96	.. ..
d Kibworth Beauchamp	Dr. E. V. Phillips	5	1	0	400	25·7	34·52	217 152
d Rockingham (Caldecott)	A. R. Ellison, Esq.	8	1	3	180	..	31·31	185 141
d Horninghold Hall	W. R. Crabtree, Esq.	5	1	0	328	..	32·33	.. 137
d East Norton	Mrs. F. A. Wortley	5	1	0	460	..	31·42	179 135
3.—WITHAM. 7 sq. mi.								
4.—TRENT—Right Bank Tributaries. 680 sq. mi.								
d Frolesworth	W. P. Widdowson, Esq.	5	1	0	370	..	30·92	185 127
d Hinckley (Bowling Green Rd.)	S. Webster, Esq.	5	1	0	300	..	33·53	173 126
d Wistow Hall Gardens	The Lord Cottesloe, C.B.	5	1	0	301	23·6	28·96	193 132
d Countesthorpe (Wigston Sew. Fm.)	The Surveyor	8	0	9	257	22·8	28·12	207 139
d Kirby M. Ilory	The Hon. Maud Russell	5	1	0	346	..	32·27	171 133
d Leicester (London Rd.)	L. Herbert, Esq.	5	4	0	300	..	29·15	161 120
d Leicester (Stoughton Drive)	Theodore B. Ellis, Esq.	5	1	0	315	..	29·78	189 124
d LEICESTER (County Hospital)	Medical Officer of Health	5	1	0	325	..	28·48	158 122
d Leicester (Town Hall Square)	A. T. Gooseman, Esq., C.E.	5	1	0	212	..	27·58	173 121
d Leicester City Mental Hosp.	The Steward	8	1	0	266	24·2	30·47	185 129
d Leicester (Gillroes Cemetery)	A. T. Gooseman, Esq., C.E.	5	1	0	294	..	30·36	173 148
d Osbaston Hall	Sir Thomas Cope, Bart.	8	1	0	390	25·0	32·21	174 128
d Lowesby Hall Gdns.	J. Gilleran, Esq.	5	0	9	517	..	30·79	207 146
d Thornton Reservoir	G. T. Edwards, Esq., C.E.	8	1	2	370	26·2	32·54	166 145
d Cropston (Bradgate Res.)	G. T. Edwards, Esq., C.E.	8	1	0	245	27·2	31·75	186 146
d Barkby Hall	Victor R. Pochin Esq.	5	1	0	227	24·5	31·08	191 137
d Ulverscroft (Chitterman Ho.)	C. Booth, Esq.	5	0	11	650	..	31·95	177 139
d Netherseal (Chilcote)	F. J. Dixon, Esq., C.E.	5	1	0	240	..	27·28	160 119
d Swithland (The Brand)	G. T. Edwards, Esq., C.E.	8	1	0	171	26·0	31·18	186 141
d Ashby de-la-Zouch	Miss A. I. Bayford	5	0	10	450	..	29·87	171 124

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DIVISION VII—NORTH MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.			
			Height of Rim above Ground.	Ground above Sea Level.	Average Rain- fall.	Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.	
LEICESTERSHIRE—(con.).			in.	ft. in.	ft.	in.	in.		
4.—TRENT—Right Bank Tributaries.—(con.).									
d Charnwood Forest (Charley Hall)	Mrs. J. B. Martin	5	1	0	500	28.2	33.53	..	133
d Asfordby Hill (Ironworks)	Stanton Ironworks Co., Ltd..	5	1	1	324	23.0	28.53	204	140
d Melton Mowbray (White Lodge)	H. K. Barker, Esq.	8	1	6	237	22.9	30.82	195	145
d Charnwood For. (Blackbrook R.)	W. Granger, Esq., C.E.	5	1	0	379	26.4	31.58	..	..
d Loughborough (Park Road)	W. Llewellyn Mold, Esq.	5	1	0	190	23.7	28.01	175	120
d Loughborough (Nanpantan Res.) (+A)	W. Granger, Esq., C.E.	5	1	0	269	26.1	30.80	173	129
d Loughborough (Fairmount Drive)	B. N. Wale, Esq., B.Sc.	5	0	6	210	..	28.02	175	123
d Loughborough (The Widenings)	Mrs. A. Butler	5	1	0	197	24.5	28.46	192	132
d Loughborough (Sewage Farm)	W. Granger, Esq., C.E.	8	1	0	135	23.1	23.90	..	120
d Burton-on-Wolds (Burton Hall)	Earl of Huntingdon	5	1	0	270	24.2	27.66	..	133
d Prestwold Hall Gardens	Mr. W. I. Coe	8	1	0	209	24.7	26.40	178	124
d Scaford	Melton Mowbray, U.D.C.	8	0	10	343	..	31.23	..	..
d Waltham-on-the-Wolds	G. Higgins, Esq.	5	1	0	560	..	28.74	..	124
d Grantham (BELVOIR CAS. Gdns.)	The Duke of Rutland, K.G.	8	1	3	257	25.1	29.07	175	129
RUTLAND. (Area, 152 sq. mi.).									
1.—WELLAND. 125 sq. mi.									
d Uppingham (Ridlington)	D. J. J. Evans, Esq.*	5	1	0	534	25.3	34.38	177	142
d Ketton	C. F. Burroughes, Esq.	5	1	0	106	..	27.33	192	124
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 Crowland	F. Husband-Clutton, Esq., M.R.C.S.	5	1	0	10	21.9	25.24	141	119
d Sutton St. Edmunds (Ashtree Fm.)	G. T. Setchell, Esq.	5	1	0	5	..	24.38	143	121
d Tydd (North Level Sluice)	Mr. S. Watson	5	1	0	10	23.3	25.92	210	122
d Sutton Bridge	S. Holland Drainage Trust.	5	1	9	21	..	24.46	197	151
d Long Sutton (White House Fm.)	A. H. Cooke, Esq.	5	..	..	..	..	23.73	..	..
d Spalding (Weston St. Mary)	W. J. Atkinson, Esq.*	5	1	0	10	..	24.94	181	127
2.—WELLAND. 341 sq. mi.									
d Market Deeping (Wilthorpe)	F. J. Smith, Esq.	8	1	0	51	20.9	29.84	169	133
d Deeping St. Nicholas	T. A. Pick, Esq.	5	0	9	13	..	26.63	183	122
d Spalding (Pode Hole)	Deeping Fen Drainage Trust	8	1	3	12	23.5	28.14	210	139
d Spalding (Grammar School)	The Headmaster	5	1	4	10	..	25.08	153	106
d Spalding (Surveyors Depot)	The Surveyor	5	0	11	15	..	25.59	157	116
d Bourne (Guthram)	L. I. Clark, Esq., C.E.	8	1	6	19	21.1	28.05	194	129
d Holbeach (Manor Farm)	F. H. Bowser, Esq.	5	3	3	..	..	25.01	153	110
d Spalding (Spalding Marsh)	Messrs. Seymour Cobley, Ltd.	5	0	8	0	21.6	24.05	..	110
d Surfleet (Iceni Nurseries)	Capt. R. G. M. Wilson	5	0	10	12	..	22.66	..	114
d Holbeach (Bingham Lo.)	F. H. Bowser, Esq.	5	4	2	10	..	20.73	147	106
3.—WITHAM & C. 1085 sq. mi.									
d Denton Manor	O. C. E. Welby, Esq.	5	0	9	310	25.6	32.57	180	138
d Billingborough	N. Hodgkinson, Esq.	5	0	10	50	..	26.03	166	118
d Grantham (Saltersford P.S.)	The Manager	5	0	6	188	24.1	30.56	180	133
d Grantham (Central School)	The Headmaster	5	0	8	191	..	27.43	163	122
d Kirton	Messrs. W. Dennis & Sons, Ltd.	5	1	0	12	..	23.33	172	122
d Wyberton (Tyton Hall)	L. I. Clark, Esq., C.E.	5	1	0	10	..	24.57	171	112
d Fishtoft School	W. Rimington, Esq.	5	1	0	0	20.8	23.69	146	109

* Per R. Nene Catchment Board.

DIVISION VII—NORTH MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average	Rain-fall.	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
			Rim above Ground.	Ground above Sea Level.					
LINCOLNSHIRE—(con.).			in.	ft. in.	ft.	in.	in.		
3.—WITHAM & C.—(con.).									
d Boston (Black Sluice, Skirbeck) . . .	F. H. Tomes, Esq.	8	1 3	11	22·8	26·18	169	120	
d Boston (Church Road P.S.) . . .	Borough Surveyor	5	1 0	8	..	23·79	163	116	
d BOSTON (FREISTON ROAD)	N. H. Middlebrook, Esq.	5	1 0	16	..	24·77	181	116	
d BOSTON (North Sea Camp)	C. T. H. Sharp, Esq., M.A.	5	0 9	12	..	23·77	162	113	
d Boston (Haven Bank)	G. E. Clarke, Esq., C.E.	8	1 3	11	..	25·73	175	116	
d Boston (Grand Sluice)	F. H. Tomes, Esq.,	8	0 9	17	22·9	24·82	143	115	
d Boston (Sibsey Road)	A. O. Scrivener, Esq.	8	1 6	9	..	22·79	167	115	
d Boston (Cowbridge)	G. E. Buchner, Esq. C.E.	5	1 0	9	..	22·93	..	114	
d Old Leake (Levinton)	G. E. Buchner, Esq., C.E.	5	1 3	9	..	24·33	165	116	
d Leasingham Rectory	Rev. A. R. Tucker	5	1 6	100	..	26·14	157	120	
d CRANWELL (Aerodrome)	(+A) Meteorological Office	8	1 0	203	23·2	25·94	166	115	
d Sibsey (Ivydene)	J. T. Allewell, Esq.	5	1 3	20	..	26·67	..	114	
d Wildmore	G. E. Buchner, Esq., C.E.	5	1 0	12	..	25·26	165	111	
d New Leake (Lade Bank Engine)	G. E. Buchner, Esq., C.E.	5	1 0	10	22·6	25·29	..	112	
d Carrington Grange	T. J. Ward, Esq.	5	4 0	13	23·4	27·19	183	135	
d Carlton-le-Moorland	Mrs. J. Brocklebank	5	1 2	50	23·3	27·07	157	127	
d Blankney Hall Gardens	Mr. N. G. Cleaver	5	0 9	57	24·0	28·72	179	124	
d East Kirkby (E. Kirkby Manor)	Capt. R. S. Fieldsend	5	1 0	35	23·8	29·02	189	137	
d Revesby Reservoir	T. H. Tyson, Esq.	5	2 0	124	24·5	31·18	..	119	
d Woodhall Spa (Waterworks)	W. Jeffrey, Esq.	5	1 0	25	..	27·76	..	115	
d Horncastle	F. J. Harvey, Esq.	5	1 0	170	24·8	31·40	193	126	
d Lincoln (Swallowbeck)	W. R. Pennell, Esq.	8	1 0	34	22·9	26·56	167	115	
d Bardney (Sugar Factory)	British Sugar Corp'n. Ltd.	5	1 0	17	..	29·46	169	126	
d Lincoln (Skellingthorpe Hall)	A. H. Bergne-Coupland, Esq.	5	1 0	40	23·1	29·03	156	130	
d Lincoln (Burton Rd.)	G. W. Valley, Esq.	5	1 3	250	..	28·01	..	114	
d Sudbrooke (The Manor Ho.)	Miss A. M. Scooter	5	1 0	55	..	27·60	186	115	
d Hackthorn Hall	Maj. W. Cracroft-Amcotts, M.C., J.P.	5	4 8	102	23·2	28·38	184	120	
4.—GREAT OAU & C. 443 sq. mi.									
d Boston (Eastville)	G. E. Buchner, Esq., C.E.	5	1 0	10	..	26·57	182	122	
d Little Steeping	G. E. Buchner, Esq., C.E.	5	1 0	10	..	29·62	..	113	
d Firsby	G. E. Buchner, Esq., C.E.	5	1 0	26	..	28·23	183	126	
d SKEGNESS (Marine Gardens)	The Surveyor	8	1 0	15	23·3	26·52	165	139	
d East Keal Rectory	Rev. R. H. Simpson	5	1 0	180	25·2	29·93	184	127	
d Spilsby (Raithby Hall Gdns.)	Mr. E. Burgess	5	1 1	200	..	30·56	167	133	
d Hagworthingham (Manor House)	W. W. Clark, Esq.	5	1 0	200	27·2	31·25	167	126	
d Mablethorpe (Trusthorpe Hall)	I. N. Woodiwiss, Esq.	8	1 3	10	25·2	27·66	182	124	
d Louth (Westgate)	J. W. Fenwick, Esq.	5	0 9	120	28·0	31·27	202	128	
d Wold Newton Manor	W. Maurice Wright, Esq.	5	1 6	230	27·2	34·24	217	146	
d Grainsby Hall	Mr. J. Butters	5	1 0	75	27·2	30·68	199	141	
5.—HUMBER—Right Bank Tributaries. 428 sq. mi.									
d North Willingham House	Mrs. Charles Wright	5	3 0	125	28·6	36·64	220	161	
d Glentham (Bishopbridge)	A. R. Haynes, Esq.	5	1 1	20	..	32·94	179	125	
d Kirkby-cum-Osgodby (Cl. Sch.)	The Headmaster	5	1 0	50	..	28·43	..	..
d Brigg (Sugar Factory)	British Sugar Corp'n. Ltd.	5	1 0	8	..	30·09	158	122	
d Brigg (Thornholme)	E. I. Brown, Esq.	5	1 5	22	..	30·55	177	122	
d Brigg (Wrawby Road)	A. R. Haynes, Esq.	5	1 1	22	25·0	30·55	171	120	
d CLEETHORPES (Kings Parade)	The Engineer & Surveyor	5	1 0	23	24·0	27·08	172	124	
d Grimsby (Little Coates, P.S.)	The Engineer & Manager	5	1 0	14	..	29·72	191	132	
d Brocklesby Park	Mr. J. Johnson	5	1 6	105	27·0	29·67	162	129	
d Immingham (Compressor Stn.)	Grimsby R.D.C.	5	1 1	13	..	28·21	197	123	
d Ulceby (Wootton Lodge)	H. M. Webb, Esq.	5	1 0	100	27·1	32·98	168	130	
d Normanby	J. C. Atkinson-Clark, Esq.	5	1 0	185	..	26·55	185	128	
d Ferriby Sluice	F. Straw, Esq.	5	1 0	18	24·5	24·16	185	117	
6.—TRENT—Right Bank Tributaries. 172 sq. mi.									
d Woolthorpe	I. & N.E. Rly. Co.	5	1 3	182	23·4	27·94	..	115	
d Torksey	Miss M. Burtt	5	3 0	18	23·2	27·92	186	119	
d Gate Burton Hall	The Hon. Mrs. Sandars	5	4 0	97	23·1	28·40	..	113	
d Scunthorpe (Brumby Senior Sch.)	The Headmaster	5	1 6	100	..	32·49	172	130	

DIVISION VII—NORTH MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.			
			Height of Rim above Ground.	Ground above Sea Level.	Average Rain- fall.	Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.	
LINCOLNSHIRE—(con.).			in.	ft. in.	ft.	in.	in.		
7.—TRENT—Left Bank Tributaries. 77 sq. mi.									
d Wroot (S. Level Pump Station) ...	G. H. Simmonds, Esq., C.E.	10	1 6	8	21·7	27·79	160	112	
d West Butterwick (Croft House) ...	West Butterwick Drainage Bd.			20		29·57	196	135	
d Crowle (N. Level Pump Station) ...	G. H. Simmonds, Esq., C.E.	5	2 0	10	22·0	26·44		117	
d Crowle (Wharf Road)†	Crowle Drainage Board	5	1 0	17	..	27·06	161	120	
NOTTINGHAMSHIRE. (Area, 843 sq. mi.).									
1.—WITHAM. 10 sq. mi.									
2.—TRENT—Right Bank Tributaries. 218 sq. mi.									
d SUTTON BONINGTON (Agric. Coll.) (+A) ...	The Principal	5	1 0	157	21·7	25·48	159	120	
d Ruddington (Westlands) ...	J. D. Walker, Esq.	5	1 0	100	24·3	24·28	165	121	
d Nottingham (Wilford Hill Res.) ...	B. W. Davies, Esq., C.E.	8	1 0	295	23·1	24·34			
d East Bridgford ...	Mrs. Beaumont	5	1 0	150		30·24	161	122	
d Newark ...	J. H. Clarke, Esq., C.E.	5	0 9	43	23·4	25·27	148	113	
d Newark (Sewage Works) ...	J. H. Clarke, Esq., C.E.	5	1 0	33	..	24·23	154	105	
d Kelham (Sugar Factory) ...	British Sugar Corp'n. Ltd.	5	1 0	33	..	26·44	157	130	
3.—TRENT—Derwent. 2 sq. mi.									
4.—TRENT—Erewash. 42 sq. mi.									
d Nottingham (Strelley) ...	Miss Edge	8	1 0	396	26·2	30·08	194	132	
d Nottingham (STRELLEY Hall) ...	Miss Edge	5	1 0	378		30·06	181	133	
d Bulwell (Watnall Reservoir) ...	B. W. Davies, Esq., C.E.	8	1 0	468	29·0	30·27	168	131	
d Eastwood Waterworks ...	B. W. Davies, Esq., C.E.	8	1 3	243	25·9	33·61	202	146	
d Eastwood Hall ...	Messrs. Barber, Walker & Co., Ltd.	5	1 0	213		28·61	162	126	
d Eastwood (Moorgreen Res.) ...	L. & N.E. Rly. Co.	5	2 0	301	27·4	31·63	178	131	
5.—TRENT—Left Bank Tributaries. 569 sq. mi.									
d Beeston (Council Depot) ...	G. C. Hardy, Esq.	5	1 0	121	24·5	27·61	157	122	
d Bramcote Reservoir ...	B. W. Davies, Esq., C.E.	8	1 0	327	..	28·04	182	127	
d Nottingham (Sneinton P.S.) (+A) ...	R. M. Finch, Esq., C.E.	8	1 0	83	22·5	25·08	177	119	
d NOTTINGHAM (The Castle) ...	R. M. Finch, Esq., C.E.	8	1 0	192	23·6	25·00	163	119	
d Nottingham (Colwick Sugar Fact.) ...	British Sugar Corp'n. Ltd.	5	0 9	70	..	24·49			
d Nottingham (Colwick Hill Res.) ...	B. W. Davies, Esq., C.E.	8	1 0	314		25·37			
d Nottingham (Stoke Bardolph) ...	R. M. Finch, Esq., C.E.	8	1 0	66	22·6	26·08		119	
d Nottingham (Mapperley Hill) ...	The Medical Superintendent	8	1 0	400	24·9	27·27	172	128	
d Bagthorpe (Isolation Hospital) ...	Dr. Cyril Banks	8	2 0	190	24·7	29·07	182	132	
d Nottingham (Basford W.W.) ...	B. W. Davies, Esq., C.E.	8	1 0	168	24·0	28·35	178	130	
d Burton Joyce Waterworks ...	B. W. Davies, Esq., C.E.	8	1 0	65	25·2	28·79	171	129	
d Nottingham (Woodthorpe) ...	A. B. Tinn, Esq., F.R.Met.S.	5	1 0	225	24·0	29·88	183	130	
d Lowdham (Chilwell Nurseries) ...	A. J. Pearson, Esq.	5	1 0	90	21·4	26·44			
d Bulwell (Bestwood W.W.) ...	B. W. Davies, Esq., C.E.	8	1 0	312	25·7	27·14	192	128	
d Daybrook (Red Hill Reservoir) ...	B. W. Davies, Esq., C.E.	8	1 0	404	25·7	29·58	209	135	
d Daybrook (Ramdsale Hill Res.) ...	B. W. Davies, Esq., C.E.	8	1 0	504	28·1	29·65	207	139	
d Papplewick (Waterworks) ...	B. W. Davies, Esq., C.E.	8	1 0	317	26·5	30·25	190	140	
d Southwell (The Residence) ...	Ven. Archd. W. J. Conybeare	5	1 0	100	24·7	27·42		119	
d Southwell (The Nurseries) ...	H. Merryweather, Esq.	5	1 0	125	..	28·99	179	125	
d Sutton-in-Ashfield (Rushley P.S.) ...	Messrs. G. & F. W. Hodson	5	1 0	462	27·1	30·60			
d Sutton-in-Ashfield (Sewage Wks.) (+A) ...	F. J. Grierson, Esq.	5	1 0	453	28·9	31·23	179	134	
d Mansfield (Rainworth W.W.) ...	J. Gibson, Esq., C.E.	5	1 0	360	26·8	29·18		129	
d MANSFIELD (Carr Bank) ...	Borough Surveyor	8	0 10	357	27·0	29·87	175	131	
d Mansfield (Crow Hill) ...	W. Pickard, Esq.	8	1 0	405	27·6	32·04	191	130	
d Clipstone Waterworks ...	J. Gibson, Esq., C.E.	5	1 0	225	24·9	28·55	172	124	
d Warsop ...	The Surveyor	8	1 0	192	24·7	28·52	189	126	
d Ollerton (Boughton W.W.) ...	B. W. Davies, Esq., C.E.	8	1 0	141	24·0	28·14	179	129	
d Ollerton (Thoresby Gardens) ...	Mr. A. J. Simmonds	5	1 0	125	26·6	27·51	164	131	
d Welbeck Abbey ...	Mr. Chas. Harris	8	0 10	196		29·79	188	124	
d Clumber Gardens ...	The Agent	5	1 6	164	25·5	30·50	190	135	
d Elkesley Pumping Station ...	Lincoln W.W.	5	1 0	120	23·2	28·81		128	

† Station formerly called Crowle (Snowdrop Villa.).

|| Exposure unorthodox in certain directions.

DIVISION VII—NORTH MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average Rain- fall.	Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
			Rim above Ground.	Ground above Sea Level.				
NOTTINGHAMSHIRE—(con.).			in.	ft. in.	ft. in.	in.		
5.—TRENT—Left Bank Tributaries—(con.).								
d Worksoy (Bracebridge S.W.)	The Boro' Engineer	8	1 0	97	23·9	28·04	181	120
d Worksoy (Sunnyside W.W.)	The Borough Engineer	8	1 0	240	..	29·09	179	125
d Retford (Sewage Disposal Wks.)	R. E. Wilson, Esq.	5	1 0	74	..	29·03	..	137
d Worksoy (Carlton Avenue)	A. P. Ford, Esq.	5	1 0	170	..	27·12	183	114
d Retford (Babworth Hall)	Lt.-Col. J. A. C. Whitaker	5	1 3	98	22·9	27·63	205	132
d Worksoy (Wigthorpe Hill)	R. C. P. Ramsden, Esq.	5	1 0	100	23·3	28·65	177	118
d Harworth Colliery	Messrs. Barber, Walker & Co.	5	1 0	120	23·5	27·33	162	115
d Scrooby	J. Mallender, Esq., F.R.H.S.	5	1 0	44	22·9	24·50	175	122
d Bawtry Hall (The Gardens)	Mr. F. E. Hogbin	5	1 0	31	23·1	27·24	175	125
d Bawtry Council Sch.	J. Rushworth, Esq.	5	1 0	37	23·8	26·59	171	120
d Misterton (Soss P.S.) new gauge	G. H. Simmons, Esq.	5	1 0	21	..	27·96	184	114
6.—OUSE—Don. 2 sq. mi.								
DERBYSHIRE. (Area, 1,017 sq. mi.).								
1.—MERSEY, UPPER. 93 sq. mi.								
m Buxton (Goysy Moss)	Stockport Corporation W.W.	5	1 0	1410	..	52·80	..	..
§ Buxton (Cat and Fiddle Inn)	Stockport Corporation W.W.	5	1 0	1610	..	54·69	..	..
m Buxton (Berry Clough)	Stockport Corporation W.W.	5	1 0	1550	..	54·01	..	..
d Buxton (Goysyclough)	Stockport Corporation W.W.	5	1 0	1175	..	55·06	195	169
§ Castedge	Stockport Corporation W.W.	5	1 0	1205	..	52·54	..	..
d Buxton (Goysthead)	Stockport Corporation W.W.	5	1 0	925	..	50·85	195	166
m Buxton (Longhill)	Stockport Corporation W.W.	5	1 0	1390	..	50·82	..	..
§ Buxton (Embridge)	Stockport Corporation W.W.	5	1 0	1430	..	47·99	..	..
§ Fernilee (Wythen)	Stockport Corporation W.W.	5	1 0	1100	..	41·21	..	..
d Fernilee (Upr. Hall)	Stockport Corporation W.W.	5	1 0	940	..	45·92	196	165
d Taxal (Oldfield)	Stockport Corporation W.W.	5	1 0	820	..	44·54	194	158
m Taxal (Blackhillgate)	Stockport Corporation W.W.	5	1 0	1190	..	39·81	..	..
d Whaley Bridge (Taxal I.o.)	Mrs. Ramsden-Jodrell, C.B.E.	5	1 0	700	..	36·93	197	153
§ Hayfield (Dimpus Clough)	Stockport Corporation W.W.	5	1 0	1250	..	43·53	..	..
§ Hayfield (Upper Sett)	Stockport Corporation W.W.	5	1 0	1420	..	47·37	..	..
m Hayfield (Oaken Clough)	Stockport Corporation W.W.	5	1 0	1250	..	45·09	..	..
§ Hayfield (Tunstead Clough)	Stockport Corporation W.W.	5	1 0	1125	..	44·05	..	..
§ Hayfield (Cluthor Rocks)	Stockport Corporation W.W.	5	1 0	1700	..	52·69	..	..
§ Hayfield (Red Brook)	Stockport Corporation W.W.	5	1 0	1950	..	57·95	..	..
§ Hayfield (Kinder Source)	Stockport Corporation W.W.	5	1 0	2050	..	60·31	..	..
d Hayfield (Kinder Filters)	Stockport Corporation W.W.	5	1 0	800	..	47·01	215	170
§ Hayfield (Upper Moor)	Stockport Corporation W.W.	5	1 0	1280	..	49·34	..	..
d Hayfield (Hollin Head)	Stockport Corporation W.W.	5	1 0	950	..	52·08	218	171
§ Hayfield (Middle Moor)	Stockport Corporation W.W.	5	1 0	1170	..	48·03	..	..
§ Hayfield (Sandy Heys)	Stockport Corporation W.W.	5	1 0	2040	..	59·41	..	..
§ Hayfield (Leygateh'd Moor)	Stockport Corporation W.W.	5	1 0	1530	..	48·46	..	..
§ Hayfield (Mill Hill)†	Stockport Corporation W.W.	5	1 0	1625	..	43·68	..	..
d Glossop W.W. (Swineshaw)	Geo. Faulds, Esq., C.E.	12	1 0	733	43·2	45·49	197	160
§ Torside (Clough Edge)	Manchester Corp'n. W.W.	5	1 0	1452	..	54·34	..	..
§ Bleaklow Hill (Downstone Rocks)	Manchester Corp'n. W.W.	5	1 0	1718	..	61·18	..	..
§ Bleaklow Hill (Far Black Clough)	Manchester Corp'n. W.W.	5	1 0	1683	..	61·09	..	..
2.—MERSEY—Weaver. 2 sq. mi.								
d Buxton (Portobello Bar)	F. Langley, Esq., C.E.	8	1 0	1600	55·9	53·08	224	166
3.—TRENT—Right Bank Tributaries. 68 sq. mi.								
d Church Gresley (Maurice Lea Pk.)	E. F. Simpson, Esq.	5	1 0	400	..	29·61	185	131
d Stanton-by-Bridge W.W.	H. Raven, Esq., C.E.	8	1 2	144	24·2	27·69	189	128
4.—TRENT—Dove. 156 sq. mi.								
d Rodsley Pumping Station	The Engineer	5	1 0	415	..	31·91	175	137

† Station formerly called Upper Holingworth Clough.

§ Turf wall round gauge.

DIVISION VII—NORTH-MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.			
			Height of		Average Rain-fall.	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.		
			Rim above Ground.	Ground above Sea Level.						
DERBYSHIRE—(con.).			in.	ft. in.	ft.	in.	in.			
5.—TRENT—Left Bank Tributaries. 84 sq. mi.										
d Egginton	Miss W. Bromley	5	1	0	153	..	27.22	..	..	..
d Etwall (Blakeley Lodge)	C. H. Hawley, Esq.	5	1	4	189	24.1	26.99	153	129	..
d Etwall (Sewage Farm)	Borough Engineer & Surveyor	5	1	8	201	25.2	26.28	167	135	..
d Shardlow	M. R. Evans, Esq.	5	1	0	111	..	28.46	..	..	..
d Mickleover (C. Mental Hospital)	Medical Superintendent	5	0	9	320	24.4	28.08	151	134	..
d Littleover (Hilltop)	E. McInnes, Esq.	5	1	0	346	25.8	26.70	149	128	..
6.—TRENT—Derwent. 426 sq. mi.										
d Spondon (Derby Sewage Wks.)	E. H. Bennett, Esq., C.E.	5	1	3	135	25.5	24.65	143	117	..
d Derby (Park Grove)	Messrs. J. Davis & Son, Ltd.	5	1	0	198	..	29.65	175	134	..
d Derby (Royal Infirmary)	A. Taylor, Esq.	5	1	0	211	26.3	30.97	165	138	..
d Derby (The Arboretum)	E. H. Bennett, Esq., C.E.	6	1	6	196	26.2	28.17	169	123	..
d Derby (Heyworth Street)	Rev. Canon F. L. Shaw	5	1	10	240	..	30.29	175	135	..
d Derby (Markeaton Park)	(R) E. H. Bennett, Esq., C.E.	5	1	6	190	..	29.71	170	133	..
d Breadsall Priory	E. S. Haslam, Esq.	5	1	6	370	..	29.55	..	121	..
d Duffield (The Kirkstyles)	Messrs. J. Davis & Son, Ltd.	5	1	0	235	23.3	34.93	179	139	..
d Heanor (Denby)	J. R. Groom, Esq.	5	1	0	440	..	33.40	..	117	..
d BELPER (Herbert Strutt School)	The Principal	5	1	0	198	29.9	(33.06)	(172)	(138)	..
d Ambergate Reservoir, No. 61	Derwent Valley Water Bd.	5	1	0	680	28.9	36.13	165	147	..
d Wirksworth (Cumford Road)	The Surveyor, U.D.C.	5	1	0	550	..	42.20	177	151	..
d Whatstandwell (Meerbrk. Sough)	Messrs. G. & F. W. Hodson	5	1	0	246	33.6	33.73	174	138	..
d Brackenfield (Lindway Res.)	R. F. Ward, Esq., C.E.	5	1	6	595	31.9	35.74	166	133	..
d Matlock Bath (Lower Tower)	Miss E. Chadwick	5	1	1	500	33.7	37.33	193	151	..
d Matlock Rockside Hydro.)	J. H. Goodwin, Esq.	5	1	0	637	32.6	37.72	176	144	..
d Darley Dale (Whitworth Inst.)	Secretary to the Trustees	5	1	0	361	32.9	37.63	167	130	..
d Bakewell (Ashford Rd.)	Miss P. M. Rhodes	5	0	10	500	..	37.09	191	154	..
d Clay Cross (Press Reservoirs)	Gilbert Frith, Esq.	8	1	0	810	31.7	36.67	208	145	..
d Buxton (Hurdlow Top)	L.M. & S. Rly. Co.	8	1	10	1267	..	62.77	..	..	..
d Chatsworth Gardens	Mr. J. G. Weston	5	1	0	436	34.7	33.89	182	132	..
d Baslow (Titheacre)	Mrs. S. E. Milner, O.B.E.	5	1	6	500	..	39.50	205	162	..
d Buxton (Stanley Moor)	F. Langley, Esq., C.E.	8	1	0	1340	52.1	51.73	225	166	..
d Buxton (Burbage Edge)	F. Langley, Esq., C.E.	8	1	0	1400	52.8	49.87	224	160	..
d Buxton (Ashwood Dale S.W.)	V. Longbottom, Esq.	5	3	0	1010	..	49.57	203	175	..
d Buxton (Terrace Slopes)	The Town Clerk	8	1	0	1007	48.4	51.89	216	166	..
d† Buxton (Lightwood)	F. Langley, Esq., C.E.	8	0	11	1191	..	48.06	215	169	..
d Bamford (Engineer's Office) No. 60	Derwent Valley Water Bd.	8	1	0	509	37.8	43.23	231	164	..
d Bamford Filters	No. 70A Derwent Valley Water Bd.	8	1	0	660	39.1	45.01	219	170	..
w Froggat Edge (Stoke Flat)	J. G. Bown, Esq.	5	1	0	924	36.5	42.63	..	..	..
d Holmesfield (Barbrook Res.)	Gilbert Frith, Esq.	8	1	0	1080	35.6	40.74	235	163	..
d Holmesfield (White Edge)	Sheffield Corporation W.W.	5	1	0	1209	..	41.60	..	..	..
d Burbage (Lower Burbage)	(+A) Sheffield Corporation W.W.	8	1	0	924	36.2	42.00	225	158	..
d Hope (Cement Works)	Messrs. G. & T. Earle, Ltd.	5	1	0	580	..	41.94	189	152	..
d Hope (Killhill Bridge), No. 56	D. W. Chadwick, Esq.	5	1	0	565	40.4	42.85	194	160	..
d Stanedge (Redmires)	Sheffield Corporation W.W.	5	1	0	1395	..	47.35	..	..	..
d Bamford (Yorkshire Br. Weir) 59B	Derwent Valley Water Bd.	5	1	0	560	36.7	45.36	..	..	..
d Edale Mill	No. 84 Derwent Valley Water Bd.	5	1	0	725	..	45.51	..	..	..
d Upper Booth	No. 85 Derwent Valley Water Bd.	5	1	0	950	..	48.24	..	..	..
d Edale End	No. 83 Derwent Valley Water Bd.	5	1	0	632	..	45.17	..	..	..
d Ladybower	No. 73 Derwent Valley Water Bd.	5	1	0	985	..	49.82	..	..	..
w Grimbocar	No. 90 Derwent Valley Water Bd.	5	1	0	700	..	49.90	..	..	..
d Hagg Farm	No. 81 Derwent Valley Water Bd.	8	1	0	700	..	52.60	..	..	..
d Blackden Brook	No. 89 Derwent Valley Water Bd.	5	1	0	1070	..	61.78	..	..	..
d R. Ashop (Weir)	No. 80A Derwent Valley Water Bd.	5	1	0	795	..	59.26	233	184	..
d Fairholmes (Nursery)	No. 26A Derwent Valley Water Bd.	5	1	0	685	42.8	52.40	222	174	..
d Nether Seal Clough	No. 79B Derwent Valley Water Bd.	5	1	0	1320	..	63.64	..	..	..
d Nether Red Clough	No. 78 Derwent Valley Water Bd.	5	1	0	1370	..	62.31	..	..	..
d Ashop Head	No. 43A Derwent Valley Water Bd.	5	1	0	1670	..	58.35	..	..	..
d Ouzelden Clough	No. 75 Derwent Valley Water Bd.	5	1	0	885	..	55.74	..	..	..
d Urchin Clough	No. 88 Derwent Valley Water Bd.	5	1	0	1190	..	63.08	..	..	..
d Alport Moor (Alport Castles) No. 82	Derwent Valley Water Bd.	5	1	0	975	..	58.46	..	..	..
w Derwent Dale (Birchinlee) No. 23	Derwent Valley Water Bd.	8	1	0	890	50.3	57.10	..	..	..

† Exposure unorthodox.

DIVISION VII—NORTH MIDLAND COUNTIES—(con.)

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
				Height of	Aver-		Rain-	Days	Days
				Rim	age		fall.	with	with
				above	Ground	Rain-		or	or
				Ground.	Sea Level.	fall.		more.	more.
DERBYSHIRE—(con.).									
		in.	ft. in.	ft.	in.		in.		
6.—TRENT—Derwent—(con.).									
M Lady Clough Moor	No. 41B Derwent Valley Water Bd...	5	1 0	1720	50.3	63.56	..	..	..
M Featherbed Top	No. 77 Derwent Valley Water Bd...	5	1 0	1665	..	62.63	..	..	..
D Derwent Dale (Howden Dam)	17 Derwent Valley Water Bd...	8	1 0	845	47.7	56.45	241	176	..
W Derwent Dale (Ridge Farm)	16A Derwent Valley Water Bd...	5	1 0	883	52.4	58.16	..	..	..
M Westend Moor (Blacklow Cote)	15A Derwent Valley Water Bd...	5	1 0	970	51.3	59.05	..	..	..
M Alport Moor	No. 38B Derwent Valley Water Bd...	5	1 0	1790	54.4	69.62	..	..	..
M Deep Grain	No. 74 Derwent Valley Water Bd...	5	1 0	1360	..	64.80	..	..	..
W Derwent Dale (Slippery Stones)	62 Derwent Valley Water Bd...	5	1 0	908	49.4	58.99	..	..	..
M Ronsley Moor	No. 86 Derwent Valley Water Bd...	5	1 0	1660	..	62.72	..	..	..
M Bleaklow Hill	No. 87 Derwent Valley Water Bd...	5	1 0	2050	..	65.87	..	..	..
M Broadhead Clough	No. 63 Derwent Valley Water Bd...	5	1 0	1010	52.8	61.67	..	..	..
M Barrow Clough	No. 71 Derwent Valley Water Bd...	5	1 0	1330	..	64.72	..	..	..
7.—TRENT—Erewash. 50 sq. mi.									
D Long Eaton (Town Hall)	H. Raven, Esq., C.F.	8	0 10	105	23.4	27.96	169	119	..
D Ilkeston (Sewage Works)	The Borough Surveyor	5	1 11	132	..	25.97	195	114	..
D Codnor (Cross Hill)	A. F. Pine, Esq.	5	1 0	394	27.7	35.29	183	139	..
D Codnor Park	L. M. & S. Rly. Co.	5	1 0	243	..	33.81	200	135	..
8.—OUSE—Don. 138 sq. mi.									
D Chesterfield (Walton San.)	Dr. A. Niven Robertson	5	1 0	450	29.5	32.82	193	149	..
D Chesterfield (Linacre Res.)	C. Boldry, Esq.	8	1 0	430	30.4	36.34	210	156	..
D Chesterfield (Linacre Res.)	C. Boldry, Esq.	5	1 0	475	29.7	35.54	210	156	..
D Chesterfield (Sewage Works)	S. Thornhill, Esq.	5	1 0	223	24.9	29.73	160	122	..
D Chesterfield (Crowhole Res.)	Gilbert Frith, Esq.	5	1 0	605	..	34.83	187	153	..
D Horsley Gate	Miss E. Wilson	5	1 0	650	..	40.60	196	162	..
D Spinkhill (Mt. St. Mary's College)	Rev. C. Baillon, S.J.	5	1 0	340	..	34.52	205	146	..

DIVISION VIII—NORTH-WESTERN COUNTIES.

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

1.—MERSEY, UPPER. 187 sq. mi.

D Langley (Twelve Ashes)	F. Hamson, Esq., C.E.	6	0 9	903	..	40.75	189	161	..
D Langley (Trentabank Res.)	(+A) E. Hamson, Esq., C.E.	6	0 9	854	..	41.32	190	160	..
D Langley (Bottoms Res.)	E. Hamson, Esq., C.E.	5	1 3	664	38.5	37.10	176	156	..
D Macclesfield (Leadbeaters Res.)	E. Hamson, Esq., C.E.	5	1 0	608	33.1	32.33	185	152	..
D MACCLESFIELD (West Park)	E. Hamson, Esq., C.E.	5	1 0	500	34.1	34.28	202	154	..
D Macclesfield (Whirley)	L. H. Lomas, Esq.	5	1 1	495	..	33.94	180	145	..
d Rainow (The Clough)	Miss Anna Neave	5	1 3	815	34.4	36.31	196	150	..
d Prestbury (Hare Hill)	His Honour Judge Burgis	5	1 0	600	..	33.50	..	135	..
D Prestbury Sewage Wks.	(+A) F. T. Hambleton, Esq.*	5	1 0	320	..	32.86	182	136	..
D Knutsford (Hazelfield)	H. P. Ashworth, Esq.	5	1 0	213	30.3	32.62	172	138	..
D Whaley Bridge (Todds Brook)	Mr. F. Bowden	5	1 3	602	41.5	38.35	215	164	..
D Disley (Lyme Park)	(+A) Stockport Corporation W.W.	5	1 0	674	..	33.95	194	147	..
D Disley (Lyme Park)	(B) Stockport Corporation W.W.	5	1 0	720	..	33.16	194	146	..
D Disley (Higher Stoneridge)	Stockport Corporation W.W.	5	1 0	750	..	35.65	194	153	..
D Runcorn (Weston Point)	Weaver Navigation Trustees	8	1 3	17	31.3	31.75	175	140	..
D Appleton Reservoir (+A)	Warrington W.W.	5	1 0	120	..	34.79	187	143	..
D Moore (Uplands)	Lt.-Com. G. K. Rylands, R.N., J.P.	5	1 0	120	..	32.87	176	140	..
D High Lane (Lyme View)	S. Arrowsmith, Esq.	5	1 0	602	..	31.19	188	142	..
D Thelwall Lea	E. H. Rideout, Esq.	5	1 0	90	..	35.16	177	136	..
D Altrincham (Norman's Pl.)	Miss G. A. Griffiths	5	1 0	150	..	33.92	175	139	..
D Dunham Massey (Sewage Works)	(+A) Bucklow R.D.C.*	5	1 0	55	..	35.79	180	143	..
D Cheadle (Adswold)	R. W. Wright, Esq.	5	1 0	186	..	31.23	..	..	..
D Stockport (Isolation Hospital)	Medical Officer of Health	5	1 3	285	..	28.61	171	131	..
D Sale (Carrington Lane)	Mersey & Irwell Catchment Bd.	5	1 0	72	..	34.41	181	142	..
D Sale (Sewage Works)	The Manager	5	0 10	70	..	34.06	175	139	..
D Romiley (Greave)	F. Edwards, Esq.	5	1 0	510	..	37.16	196	147	..

* Per Cheshire Rivers Catchment Board.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
				Height of	Average		Rain-fall.	Days with	Days with
				Rim above Ground.	Ground above Sea Level.	Rain-fall.		·01 in. or more.	·04 in. or more.
CHESHIRE—(con.).			in.	ft. in.	ft. in.	in.			
1.—MERSEY, UPPER—(con.).									
Godley Reservoir	Manchester Corpn. W.W.	5	1 0	488	34·8	36·00	185	138	
d Dukinfield (Higher Reservoir)	M. T. B. Whitson, Esq., C.E.	5	1 0	435	..	38·22	178	146	
Arnfield Reservoir	Manchester Corpn. W.W.	5	1 0	512	39·1	42·52	200	147	
Rhodes Wood Reservoir	Manchester Corpn. W.W.	5	1 0	545	42·7	48·10	210	163	
§Hollingworth Hall Moor	Manchester Corpn. W.W.	5	1 0	1194	..	47·19	..	..
Terside Reservoir	Manchester Corpn. W.W.	5	1 0	669	..	48·18	211	160	
d Stalybridge (Market Ground Yd.)	M. T. B. Whitson, Esq., C.E.	5	1 0	373	..	40·74	192	152	
d Stalybridge (Brushes Filter Ho.)	M. T. B. Whitson, Esq., C.E.	5	1 6	615	39·2	45·57	210	155	
Swineshaw Moor (Lees Hill)	M. T. B. Whitson, Esq., C.E.	5	1 0	965	..	49·47	..	..
d Woodhead Reservoir	Manchester Corpn. W.W.	5	1 0	665	48·3	49·95	216	168	
§Arnfield Moor	Manchester Corpn. W.W.	5	1 0	1290	..	53·82	..	..
§Crowden (Span Gutter)	Manchester Corpn. W.W.	5	1 0	1530	..	58·06	..	..
§Pikenaze Moor (Audernshaw C.)	Manchester Corpn. W.W.	5	1 0	1148	..	64·70	..	..
§Woodhead (Pikenaze)	Manchester Corpn. W.W.	5	1 0	926	..	57·29	..	..
§Swineshaw Moor (Boar Flat)	Manchester Corpn. W.W.	5	1 0	1190	48·6	54·29	..	..
§Westend Moor (Stonefold)	Manchester Corpn. W.W.	5	1 0	1691	..	64·40	..	..
§Withens Moor (West Withens)	Manchester Corpn. W.W.	5	1 0	1382	..	66·78	..	..
§Crowden (Meadow Clough)	Manchester Corpn. W.W.	5	1 0	1425	..	65·41	..	..
§Long Ridge Moss (Near Broadslate)	Manchester Corpn. W.W.	5	1 0	1663	61·9	67·96	..	..
§Longside Moss	Manchester Corpn. W.W.	5	1 0	1418	59·8	62·30	..	..
§Upper Heyden	Manchester Corpn. W.W.	5	1 0	1708	..	66·07	..	..
§Grains Moss	Manchester Corpn. W.W.	5	1 0	1573	..	68·29	..	..
2.—MERSEY—Weaver. 489 sq. mi.									
d Audlem (Newholme)	C. Caffin, Esq.*	5	1 0	220	..	(35·64)	(202)	(156)	
d Wirswall Hall	F. H. Illingworth, Esq.	5	1 2	505	..	34·09	192	156	
d Cholmondeley Estate Office (+A)	A. H. Munro, Esq.*	5	1 0	300	..	34·24	188	157	
d Nantwich (Baddiley W.W.)	Nantwich U.D.C.	5	1 0	231	28·3	26·06	182	134	
d Nantwich (Dorfold Hall)	Weaver Navigation Trustees	8	1 0	190	28·8	29·21	203	148	
d Nantwich (Reaseheath Hall)	Weaver Navigation Trustees	8	1 0	130	29·1	28·06	178	139	
d Crewe (Sewage Wks.)	L. Reeves, Esq., C.E.	5	1 0	125	..	28·93	190	143	
d Crewe (Isolation Hospital)	L. Reeves, Esq., C.E.	5	1 4	181	27·6	29·18	175	142	
d Congleton (Sewage Works) (new g.) (+A)	The Borough Surveyor	5	1 0	248	30·1	30·51	190	150	
d Congleton (Buglawton Vic.)	Weaver Navigation Trustees	8	1 0	307	30·5	30·02	171	141	
d Tarporley (Tirley Garth Gdns.)	Mr. J. B. Allan	5	3 6	450	30·0	32·32	206	154	
d Bosley School	The Head Teacher*	5	1 0	500	..	32·12	172	142	
d Middlewich	I.C.I. (Alkali), Ltd.	5	1 0	138	..	28·00	199	140	
d Swettenham (Davenport Cottage)	Weaver Navigation Trustees	8	1 0	190	..	31·69	189	152	
d Middlewich (Bostock Hall)	Capt. W. H. France-Hayhurst	5	1 0	157	30·3	31·22	179	144	
d Cranage (Mental Institution)	The Clerk & Steward*	5	1 0	170	..	31·26	190	150	
d Delamere (Linnmere)	Forestry Commission	8	0 9	250	..	34·33	227	159	
d Hartford (Hollybank)	Giles Owen, Esq.	5	1 0	160	..	32·56	191	144	
d Siddington (Capesthorpe Hall)	Sir William Bromley Davenport*	5	1 0	300	..	29·16	161	135	
d Northwich (Sandiway, W.W.)	J. Birtwistle, Esq.	8	1 0	163	..	34·43	195	148	
d Northwich (Hunts Lock)	Weaver Navigation Trustees	8	1 5	47	30·0	31·47	184	143	
d Northwich (Winnington)	I.C.I. (Alkali) Ltd.	5	1 0	64	29·2	29·73	181	142	
d Chelford (Snelson House)	R. C. Walsh, Esq.	5	0 9	250	..	29·20	177	135	
d Northwich (Lostock Gralam)	I.C.I. (Alkali) Ltd.	5	1 0	75	..	31·17	181	139	
d Northwich (Marbury Rd.)	Alan Cooper, Esq.	5	1 0	96	..	29·92	165	142	
d Frodsham (Castle Park)	Engineer & Surveyor	8	1 0	45	..	31·86	174	135	
d Knutsford (High Legh House)	L. C. Legh, Esq.	5	1 5	235	..	34·36	170	143	
3.—MERSEY LOWER & C. 142 sq. mi.									
d Mouldsworth	W. Cheshire Water Bd.	5	1 0	145	..	30·51	192	145	
d Manley (Ravelstone)	A. Haworth, B.A., J.P.	5	1 0	360	..	33·44	191	151	
d Hooton Waterworks	W. Cheshire Water Bd.	5	1 0	97	30·3	32·23	181	151	
d Crosshill Reservoir, old g.	R. F. Baker, Esq.	5	1 0	237	..	33·15	187	144	
d Crosshill Reservoir, new g.	R. F. Baker, Esq.	5	1 0	212	..	33·45	186	144	
d Prenton Waterworks	W. Cheshire Water Bd.	5	1 3	91	28·1	35·09	178	150	

* For Cheshire Rivers Catchment Board.

§ Turf wall round gauge.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average		Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
			Rim above Ground.	Ground. Sea Level.	age above Rain-fall.				
CHESHIRE—(con.).			in.	ft. in.	ft. in.	in.			
3.—MERSEY, LOWER & C.—(con.).									
▷ Birkenhead (Birdston Obs'y.)(+A)	The Director.....	8	1 0	198	27·9	32·19	180	138	
▷ HOYLAKK (Recreation Gd.)	The Surveyor	5	1 0	23	28·1	32·75	181	143	
▷ Wallasey (Caithness Drive)	H. Procter, Esq.....	5	1 1	75	..	31·79	182	135	
▷ WALLASEY (New Brighton)	Medical Officer of Health ...	5	1 0	57	29·7	30·84	180	141	
4.—DEE. 127 sq. mi.									
▷ Eaton Hall Gardens	Mr. N. F. Barnes	5	1 2	72	26·9	35·08	209	156	
▷ Rowton (Holly Bank)	J. H. Salmon, Esq.	5	1 5	213	27·3	34·75	168	136	
▷ Chester (Sewage Disposal Wks.)	C. Greenwood, Esq., C.E....	5	0 6	16	26·1	30·11	165	136	
▷ Chester (Waterworks)	The Engineer	5	0 10	85	26·4	30·18	178	132	
▷ Burton	R. A. L. Billson, Esq.	5	1 0	210	..	28·59	..	..
▷ Neston (Vine House)	D. P. Russell, Esq.	5	1 0	111	27·4	29·63	184	153	
▷ West Kirby (Caldy Manor)	Mr. E. L. Barker	5	6 0	131	27·9	31·64	..	..
▷ West Kirby (Hilbre House)	Egerton Macdona, Esq.	5	0 9	25	27·8	32·80	..	..
▷ West Kirby (Monk's Way)	Miss G. S. Kirkby	5	1 0	113	28·9	33·42	183	145	
▷ WEST KIRBY (St. Andrew's Vic.)	The Rev. E. F. Robson	5	1 0	25	27·9	33·56	182	151	
SOUTH LANCASHIRE. (Area, 700 sq. mi.).									
1.—ALT & C. 103 sq. mi.									
▷ Kirkby (Estate Works)	Lancashire County Council‡	5	1 0	48	..	35·50	..	..
▷ Formby (Ince Blundell)	Lancashire County Council‡	5	1 0	..	..	34·91	199	145	
▷ Ormskirk (Bickerstaffe P. Stn.)	C. Burton Ede, Esq., C.E....	5	0 9	128	33·2	37·80	189	154	
▷ Ormskirk (Springfield P. Stn.)	C. Burton Ede, Esq., C.E....	5	0 11	70	33·1	37·41	181	157	
▷ Formby (Hightown)	Lancashire County Council‡	5	1 0	..	..	34·98	191	142	
2.—MERSEY, LOWER. 244 sq. mi.									
▷ Garston	Liverpool Corporation	5	1 0	81	30·7	31·46	181	149	
▷ Garston (Grassendale Park)	A. G. Isaacson, Esq.	5	1 0	30	30·1	32·85	192	147	
▷ Widnes (Gas and Water Works)	C. E. Dickinson, Esq.	5	1 0	34	..	34·01	185	138	
▷ Liverpool (Lark Lane)	Liverpool Corporation	5	9 1	90	..	33·16	183	159	
▷ Liverpool (Smithdown Road)	Liverpool Corporation	5	1 0	135	31·7	32·55	188	154	
▷ Croton (Pex Hill, Old Res.)	C. E. Dickinson, Esq.	5	1 0	228	..	35·75	181	143	
▷ Liverpool (Monument Pl.)	(+A) Liverpool Corporation	5	1 3	124	..	33·62	181	147	
▷ Liverpool (Rathbone Road)	Liverpool Corporation	5	1 0	198	34·3	34·37	182	154	
▷ Liverpool (Breckside Park)	Liverpool Corporation	5	0 9	132	33·2	34·61	186	151	
▷ Liverpool (Queens Drive)	Liverpool Corporation	5	1 0	119	33·3	34·88	187	153	
▷ Warrington (Howley Yard)	The Borough Surveyor	8	5 1	26	..	35·18	175	143	
▷ Irlam (Sewage Works)	The Engineer	5	1 0	42	..	35·46	..	..
▷ Winwick P. Stn.	Warrington W.W.	5	1 0	115	..	36·65	174	141	
▷ St. Helens (Eccleston Hill)	A. P. Statham, Esq., C.E.	12	1 0	265	33·6	34·93	178	138	
▷ St. Helens (Victoria Park)	Dr. F. Hauxwell	8	1 5	160	33·9	33·91	177	135	
▷ Earlstown (Newton Cemetery)	Joseph Anderson, Esq.	5	1 0	75	33·6	35·80	..	..
▷ Kenyon (Newchurch Homes)	The Clerk and Steward‡	5	1 0	97	..	(38·88)	168	142	
▷ Lowton (Newton Road)	G. H. Coe, Esq.	5	2 0	121	..	38·68	..	132	
▷ St. Helens (Windle Hall)	W. H. Pilkington, Esq.	5	1 0	160	..	36·23	184	142	
▷ Litherland (Hatton Hill Pk.)	G. W. Ponsford, Esq., C.E.	5	1 0	59	..	32·74	184	143	
▷ Leigh (Sewage Works)	T. N. Cockroft, Esq., B.Sc.	5	1 0	67	32·6	37·34	170	142	
▷ Rainford (Rookery Sewage Wks.)	Lancashire County Council‡	5	1 0	107	..	34·94	173	140	
▷ Atherton Cemetery	Lancashire County Council‡	5	1 0	165	..	40·32	175	144	
3.—MERSEY—Irwell. 299 sq. mi.									
▷ Stretford (Longford Yard)	Stretford U.D.C.	8	1 1	87	..	34·23	176	139	
▷ Manchester (Hullard Park)	Stretford U.D.C.	8	1 1	100	32·4	35·20	181	139	
▷ Manchester (Old Trafford)	Stretford U.D.C.	8	1 1	107	..	34·98	181	127	
▷ Urmston (Sew. Wks., Davyhulme)	Manchester Cor., Rivers Dpt.	8	1 0	72	30·9	35·10	163	141	

‡ Per Land Drainage Engineer.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain-fall.	1939.		
			Height of Rim above Ground.	Ground above Sea Level.			Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
SOUTH LANCASHIRE—(con.).			in.	ft. in.	ft.	in.	in.		
3.—MERSEY, Irwell—(con.).									
MANCHESTER (BARTON Airport) . . .	(+A) Meteorological Office . . .	8	1	0	70	..	35·67	178	136
Patricroft (Eccles Sewage Wks.) . . .	C. J. Girling, Esq.	5	1	0	72	30·3	35·57	192	141
MANCHESTER (WHITWORTH PARK) . . .	Manchester University . . .	8	1	0	125	31·7	35·29	183	140
Ashton-und.-Lyne (Knott H. Res.) . .	M. T. B. Whitson, Esq., C.E. . .	8	1	0	605	..	44·38	213	156
Prestwich Sewage Works	H. T. Ainsworth, Esq., C.E. . .	8	0	10	150	36·6	39·20	183	147
Prestwich Res.	Manchester Corpn. W.W. . .	5	1	0	357	..	41·09	190	141
Prestwich (Heaton Park)	Manchester Corporation . . .	8	1	0	312	36·8	40·39	177	151
Prestwich (Heaton Park Res.) . . .	Manchester Corpn. W.W. . .	5	1	0	355	37·1	40·51	187	143
Oldham Gas Works	Ernest Parry, Esq., C.E. . .	5	5	9	602	39·0	46·88	205	157
Oldham (Brushes Clough) No. 3 . . .	C. Busfield, Esq.	5	1	0	921	46·7	52·07	213	169
Royton (Public Park)	The Engineer and Surveyor . .	5	1	0	502	..	44·86	214	166
BOLTON (Queen's Park)	(+A) The Corpn. (E. Hendy) . . .	5	1	0	342	43·1	44·41	194	146
Bolton (L.M.S.R.)	No. 1 L.M. & S. Rly. Co.	5	1	0	299	..	45·15	190	140
Bolton (Heaton Reservoir)	Bolton Corporation W.W. . .	5	1	0	500	43·5	46·93	206	168
Bolton W.W. (Harpers Farm) . . .	Bolton Corporation W.W. . .	5	1	0	872	..	47·48	..	..
Bolton (Bloomfield, Heaton) . . .	Mrs. F. Taylor, J.P.	5	1	0	530	43·1	45·32	191	160
Bury (L.M.S.R.)	No. 5 L.M. & S. Rly. Co.	5	1	0	294	..	43·00	224	156
Bury (Greenhill Road)	R. Moore, Esq.	5	2	7	399	..	43·07	167	145
Bury (Parsons Lane)	Irwell Valley Water Bd. . .	5	9	6	316	42·4	40·71	182	155
Bury (Bridge Hall)	Miss C. Wrigley	8	1	0	..	42·2	43·53	190	151
New Hey (Sewage Works)	Mr. J. B. Ogden	8	1	0	513	41·6	46·48	191	154
Milnrow (Butterworth Hall)	C. Busfield, Esq.	5	1	0	512	43·8	50·61	209	170
Milnrow (Piethorne, Kitcliffe) . . .	C. Busfield, Esq.	5	1	0	766	..	50·43	211	162
Milnrow (Piethorne, Coldgreave) . .	C. Busfield, Esq.	5	1	0	832	46·3	52·40	212	166
Rochdale (Roch Mills Sew. Wks.) . .	S. H. Morgan, Esq., C.E. . .	8	1	1	363	44·5	46·43	199	156
Rochdale (Broadfield Pk. Obsy.) . .	Medical Officer of Health . .	8	0	8	472	43·9	42·27	195	153
Rochdale (Fieldhead Yard)	S. H. Morgan, Esq., C.E. . .	8	1	0	473	44·8	47·15	189	156
Rochdale (Ashworth Moor Res.) . .	Heywood Water Board . . .	5	1	2	956	..	44·51	214	153
Bolton (Egerton House) old g . . .	E. H. Ashworth, Esq.	5	1	0	633	49·6	49·56	..	..
Bolton (Egerton House) new g . . .	E. H. Ashworth, Esq.	5	1	0	633	48·8	49·07	..	..
Bury (Gin Hall)	No. 1 Irwell Valley Water Bd. . .	5	1	0	475	43·7	48·80	193	153
Bury (Gin Hall)	No. 2 Irwell Valley Water Bd. . .	5	1	0	475	44·5	47·60	193	155
Bolton W.W. (Springs)	Bolton Corporation W.W. . .	5	1	0	810	54·5	56·18	208	161
Bolton W.W. (Eagley)	Bolton Corporation W.W. . .	5	1	0	546	52·3	55·74	..	..
Turton (Turton Tower)	Turton U.D.C.	5	1	0	584	..	52·38	200	158
Bolton W.W. (Hordern)	Bolton Corporation W.W. . .	5	1	0	1160	53·6	56·58	..	..
Bolton W.W. (Delph)	Bolton Corporation W.W. . .	5	1	0	710	53·6	55·91	204	164
Bolton W.W. (Longworth)	Bolton Corporation W.W. . .	5	1	0	770	52·4	54·48	..	..
Bolton W.W. (Wayoh)	Bolton Corporation W.W. . .	5	1	0	608	51·6	54·38	206	157
Bolton W.W. (Holden's Farm) . . .	Bolton Corporation W.W. . .	5	1	0	955	53·0	55·29	..	..
Bolton W.W. (Top-o'-th-Brow) . . .	Bolton Corporation W.W. . .	5	1	0	935	56·5	57·05	..	..
Bolton W.W. (Entwistle)	Bolton Corporation W.W. . .	5	1	0	692	53·8	57·46	210	153
Bolton W.W. (Bromiley Heys) . . .	Bolton Corporation W.W. . .	5	1	0	925	51·5	55·40	..	..
Bolton W.W. (Hulton Pasture) . . .	Bolton Corporation W.W. . .	5	1	0	1130	49·7	52·95	..	..
Bolton W.W. (Moorside)	Bolton Corporation W.W. . .	5	1	0	850	50·2	51·29	..	..
Bolton W.W. (Clough)	Bolton Corporation W.W. . .	5	1	0	1150	55·4	57·51	..	..
Bolton W.W. (Cranberry Moss) . . .	Bolton Corporation W.W. . .	5	1	0	982	53·7	(54·75)	..	..
Bolton W.W. (Slaters Lane)	Bolton Corporation W.W. . .	5	1	0	985	51·8	52·67	..	..
Bolton W.W. (Brown Lowe)	Bolton Corporation W.W. . .	5	1	0	1200	53·8	57·09	..	..
Bolton W.W. (Longshoot)	Bolton Corporation W.W. . .	5	1	0	930	..	56·64	..	..
Bolton W.W. (Uglof)	Bolton Corporation W.W. . .	5	1	0	1090	51·1	52·00	..	..
Rochdale (Hamer Pasture Res.) . .	Rochdale Corporation W.W. .	5	1	0	760	48·6	49·27	209	158
Rochdale (Naden Filters)	Heywood Water Board . . .	5	1	0	761	..	49·84	188	157
Norden (Higher Red Lumb)	Heywood Water Board . . .	5	1	3	1125	..	50·23	..	..
Norden (Far Knowl Farm)	Heywood Water Board . . .	5	1	3	..	47·2	53·07	..	..
Rochdale (Naden Dean) old g . . .	Heywood Water Board . . .	5	1	4	948	..	45·30	..	..
Rochdale (Naden Dean) new g . . .	Heywood Water Board . . .	5	1	4	948	..	47·67	..	..
Littleborough (Longden End) . . .	C. Busfield, Esq.	5	1	0	751	47·4	52·00	207	162
Littleborough (Hollingworth L'ke) .	C. Busfield, Esq.	8	1	0	610	40·6	44·40	201	154
Littleborough (Broadhead)	C. Busfield, Esq.	8	1	0	1337	..	46·45	220	164

‡ Turf wall round gauge.

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

		Rain-gauge			1939.			
STATIONS.	AUTHORITIES.	Diam.	Height of		Average Rain-fall.	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
			Rim above Ground.	Sea Level.				
SOUTH LANCASHIRE—(con.).								
3.—MERSEY, Irwell—(con.).								
d Littleborough (Blackstone Edge)	C. Busfield, Esq.	8	1	0	1268	45.0	51.01	225 164
d Littleborough (Uppr. Chelburn)	C. Busfield, Esq.	8	1	0	725	47.5	49.76	212 154
d Littleborough (Chelburn)	C. Busfield Esq.	8	1	0	700	..	42.06?	212 149
m Ramsbottom (Killgate Brook)	Heywood Water Board	5	1	0	978	..	49.84	.. ..
d Ramsbottom (L.M.S.R.)	No. 3 L. M. & S. Rly. Co.	5	1	0	418	47.7	46.01	(205) (156)
m Ramsbottom (Cheesden Barn)	Heywood Water Board	5	1	0	997	..	48.69	.. ..
d Edenfield (New Hall Nurseries)	Irwell Valley Water Bd.	5	1	0	800	..	51.52	205 162
d Edenfield (Scout Moor Res.) . No. 2	Irwell Valley Water Bd.	5	1	0	1275	..	59.83	205 159
d Waterfoot (Cragg Reservoir)	Bacup Boro' Council	5	1	0	1325	..	59.83	250 165
d Waterfoot (Cowpe Reservoir)	Bacup Boro' Council	5	1	0	925	..	61.84	250 167
d Rochdale (Spring Mill Whitworth)	Rochdale Corporation W.W.	5	1	0	720	51.5	54.49	192 166
d Wardle (Watergrove Mill)	Rochdale Corporation W.W.	5	1	0	775	..	46.86	208 156
d Rochdale (Cowm, Wh tworth)	Rochdale Corporation W.W.	5	1	0	762	51.5	57.79	194 169
d Helmshore (Clough House)	A. C. Cullen, Esq.	5	1	0	650	50.3	52.78	183 154
d Haslingden (Holden Wood) No. 1	Irwell Valley Water Bd.	5	1	0	670	52.1	56.79	186 161
d Haslingden (Holden Wood) No. 2	Irwell Valley Water Bd.	5	1	0	670	51.4	55.49	187 158
d Haslingden (Calf Hey)	No. 1 Irwell Valley Water Bd.	5	1	0	800	50.9	57.70	186 159
d Haslingden (Ogden)	No. 1 Irwell Valley Water Bd.	5	1	0	740	..	56.34	186 160
d Haslingden (Ogden)	No. 2 Irwell Valley Water Bd.	5	1	0	740	..	56.42	186 163
d Bacup (Sheephouse Res.)	Bacup Boro' Council	5	1	0	975	..	59.72	201 160
d Bacup (L.M.S.R.)	No. 4 L. M. & S. Rly. Co.	5	1	0	875	47.1	54.52	213 161
d Rawtenstall Cemetery	J. Johnson, Esq.	8	1	1	572	49.6	50.17	.. 154
d Haslingden (L.M.S.R.)	No. 2 L. M. & S. Rly. Co.	5	1	0	715	..	46.66	.. 175
d Rawtenstall (Cloughbottom) No. 1	Irwell Valley Water Bd.	5	1	0	1025	47.4	50.25	189 175
d Rawtenstall (Clowbridge Res.) No. 1	Irwell Valley Water Bd.	5	1	0	930	47.6	49.65	199 171
d Rawtenstall (Clowbridge Res.) No. 2	Irwell Valley Water Bd.	5	1	0	930	51.6	52.64	199 171
4.—MERSEY, UPPER. 54 sq. mi.								
d Didsbury (Linden Road)	L. G. King, Esq.	8	1	6	110	31.0	31.93	173 137
d Northenden Sewage Wks.	Manchester Cor., Rivers Dpt.	8	1	0	81	..	30.80	172 131
d Chorlton-cum-Hardy Sew. Works.	Manchester Cor., Rivers Dpt.	8	1	0	95	30.5	31.97	187 135
d Stretford (Sewage Farm)	Stretford U.D.C.	8	1	1	65	..	33.00	178 139
d Fallowfield (Platt Field Park)	Manchester Corporation	8	1	0	118	30.6	33.50	180 138
d Denton Reservoir	Manchester Corp'n. W.W.	5	1	0	306	..	39.67	196 149
d Gorton Reservoir	Manchester Corp'n. W.W.	5	1	0	263	..	37.47	187 151
d Ashton-u-Lyne (Henrietta St. Yd.)	M. T. B. Whitson, Esq., C.E.	7	1	0	394	37.2	39.28	176 149
d Lower Swineshaw Reservoir	M. T. B. Whitson, Esq., C.E.	8	1	0	886	43.6	47.17	202 157
d Swineshaw Moor	M. T. B. Whitson, Esq., C.E.	5	1	0	1340	..	52.70	.. ..
d Mossley (Manor House Yard)	M. T. B. Whitson, Esq., C.E.	5	1	0	636	41.5	46.95	195 153
CENTRAL LANCASHIRE. (Area, 536 sq. mi.).								
1.—RIBBLE & C. 326 sq. mi.								
Darwen (Spring Bank)	T. Anderton, Esq.	5	1	0	710	..	56.97	.. ..
w Roddlesworth	Lt. Col. F. Hibbert, C.E.	5	1	0	725	..	45.80	.. ..
d Darwen (Sunnyhurst Hey Res.)	E. Marsden, Esq., C.E.	8	1	5	915	49.5	51.22	201 160
d Darwen (Earnsdale Reservoir)	E. Marsden, Esq., C.E.	8	1	0	705	47.4	51.49	200 160
d DARWEN (Bold Venture Park)	Medical Officer of Health	8	1	1	724	50.1	56.14	208 164
d Darwen (Hoddlesden)	No. 1 G. McKay, Esq., C.E.	8	1	6	680	49.1	50.23	211 162
d Darwen (Daisy Green)	No. 1 G. McKay, Esq., C.E.	8	1	6	969	..	51.74	211 168
d Darwen (Pickup Bank)	No. 2 G. McKay, Esq., C.E.	8	1	6	727	..	53.51	210 163
d Whithnell	No. 2 L. C. King-Wilkinson, Esq.	5	1	3	535	..	40.69	195 152
d Brindle (Whiteholme)	Mrs. Victor H. Gatty	5	1	8	315	39.3	38.84	173 136
d Haslingden (Mitchell's Ho. Res.)	A. J. Harrison, Esq.	5	1	6	950	45.0	47.36	199 156
d Haslingden (Mitchell's Ho. Res.) No. 2	A. J. Harrison, Esq.	5	1	6	984	..	46.14	203 157
d Blackburn (Guide Reservoir)	G. McKay, Esq., C.E.	8	1	6	610	44.9	46.68	177 159
d Blackburn (Witton)	G. McKay, Esq., C.E.	8	1	6	315	42.0	36.31	181 145
d Blackburn (Fever Hosp.)	G. McKay, Esq., C.E.	8	1	6	570	..	41.63	178 141
d HURRON (Lancs. C.C. Hort. Stat.)	The Director of Education	5	1	0	82	..	35.16	175 145
d St. Anne's-on-Sea (South Side)	Dr. J. P. Litt	5	1	0	25	31.4	32.71	188 135

‡Turf wall round gauge.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Average Rain- fall.	1939.			
			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—(con.).					in.	ft. in.	ft.	in.	in.
1.—RIBBLE & C.—(con.).									
d Accrington (Oak Hill Park.)	(+ A) The Borough Engineer	5	1	0	645	..	46·56	202	153
d Preston (Moor Park)	Preston Corporation	8	1	0	110	35·3	37·21	214	144
d Samlesbury Sewage Works	G. McKay, Esq., C.E.	8	1	6	240	36·9	38·13	182	150
d Blackburn (Queens Road)	J. Brennand, Esq.	5	1	1	515	..	44·80	206	143
w Causeway Side (Burnley W.W.)	J. Shepherd, Esq., C.E.	8	1	0	1116	41·7	42·36	..	..
w Causeway Side (Burnley W.W.) new g.	J. Shepherd, Esq., C.E. . . . .	..	..	..	1110	..	51·31	..	..
w Sheddin (Burnley W.W.)	J. Shepherd, Esq., C.E.	8	1	0	960	41·9	42·76	..	..
w Sheddin (Burnley W.W.) new g.	J. Shepherd, Esq., C.E. . . . .	..	..	..	960	..	51·26	..	..
d Cant Clough S. Side (Burnley W.W.)	J. Shepherd, Esq., C.E.	8	1	0	900	42·3	41·70	211	151
d Cant Clough S. Side (Burnley W.W.) new g.	J. Shepherd, C.E. . . . .	..	..	..	903	..	52·05	214	167
d Cant Clough N. Side (Burnley W.W.)	J. Shepherd Esq., C.E.	8	1	0	900	41·5	40·39	211	160
d Cant Clough N. Side (Burnley W.W.) new g.	J. Shepherd, C.E. . . . .	..	..	..	846	..	50·65	214	164
w Rams Clough Head (Burnley W.W.) new g.	J. Shepherd, Esq., C.E.	5	1	0	1236	..	48·02	..	..
d Huncoat (Burnley Road Res.)	A. J. Harrison, Esq.	5	1	10	620	43·0	42·28	177	135
d Great Harwood (Parsonage Res.)	G. McKay, Esq., C.E.	8	1	0	631	40·7	38·60	192	145
d Great Harwood (Dean Clough)	A. J. Harrison, Esq.	12	1	6	540	45·6	44·99	192	156
d BURNLEY (Queen's Park)	Medical Officer of Health	8	1	0	458	..	39·83	190	141
d Burnley (Swinden) upper g.	J. Shepherd, Esq., C.E.	5	1	0	811	43·6	46·66	225	156
d Burnley (Swinden) lower g.	J. Shepherd, Esq., C.E.	5	1	0	745	44·3	44·92	224	156
w Extwistle Moor Top (Burnley W.W.) new g.	J. Shepherd, Esq., C.E.	5	1	0	1308	..	47·36	..	..
d Padiham (Gawthorpe Hall)	The late Lord Shuttleworth	8	1	0	282	40·7	37·01	(177)	(147)
d Padiham (Huntroyde)	E. G. Howsin, Esq.	5	1	0	423	41·1	39·75	192	150
d Alston Reservoir	E. C. Oakes, Esq., C.E.	8	1	2	332	41·0	36·96	197	145
Nelson (Red Spa Moor)	Nelson Corporation W.W.	5	1	2	1285	..	44·78	..	..
d Nelson (Coldwell Res.) S. No. 2	Nelson Corporation W.W.	5	1	0	960	46·3	44·25	216	169
d Whalley (Calderstones Institution)	Lancashire County Council‡	5	1	0	198	..	41·47	191	137
d Nelson (Victoria Park)	Nelson Corporation W.W.	5	1	0	375	41·8	40·04	172	138
d Nelson (Walton Lane)	(+ A) Medical Officer of Health	5	1	0	540	40·6	40·12	188	140
d Ribchester Institution	Lancashire County Council‡	5	1	0	279	..	43·67	185	148
d SROUVERST (College)	The Director	8	1	10	377	46·5	43·88	206	148
d Cowley Brook (Preston W.W.)	E. C. Oakes, Esq., C.E.	8	1	2	616	..	47·77	205	151
d Spade Mill (Preston W.W.)	E. C. Oakes, Esq., C.E.	8	1	2	374	41·7	42·33	200	152
d Jeffery Hill (Preston W.W.)	E. C. Oakes, Esq., C.E.	8	1	2	900	47·3	48·01	..	..
d Sabden (Churn Clough Res.)	W. R. C. Houston, Esq.,	5	1	0	790	41·2	45·04	239	163
w Sabden (Craggs Dole)	W. R. C. Houston, Esq.,	8	1	0	1050	46·0	45·84	..	..
w Newchurch (Cock Dole)	W. R. C. Houston, Esq.,	5	1	0	1090	47·0	43·83	..	..
d Barley (Ogden Reservoir)	Nelson Corporation W.W.	8	1	6	950	46·0	49·46	209	162
d Pendle Hill (Buttock)	Nelson Corporation W.W.	5	1	0	1175	49·9	52·63	207	162
d Colne (Swinden Sew. Works)	H. W. T. Perkins, Esq., C.E.	5	1	0	423	42·0	41·21	192	143
Colne (Cemetery)	H. W. T. Perkins, Esq., C.E.	5	3	0	525	..	36·33	..	..
Barrowford Reservoir	Leeds & Liverpool Canal Co.	8	1	0	473	41·0	42·86	..	..
Nelson (Blackmoss Reservoir)	Nelson Corpn W.W.	5	1	0	830	..	49·87	..	..
Foulridge (Upper Reservoir)	Leeds & Liverpool Canal Co.	8	1	0	582	40·5	40·74	..	..
Foulridge (Reedy Moor)	Leeds & Liverpool Canal Co.	5	1	0	553	..	39·17	..	..
d Chatburn School	E. P. Aldersley, Esq.	5	0	11	322	43·0	42·11	182	155
Clitheroe (Downham Hall)	R. C. Assheton, Esq.	5	1	6	464	..	42·26	..	..
2.—RIBBLE—Douglas. 156 sq. mi.									
d Wigan W.W. (Billings Higher End)	The Borough Engineer	5	1	0	374	..	41·98	178	142
d Orrell (Upholland Gram. Sch.)	The Headmaster	5	1	0	325	35·5	38·98	176	147
d Upholland College	The Procurator	5	1	0	346	..	40·02	..	149
d Wigan (Gidlow Sen. Sch.)	The Headmistress	8	0	11	150	..	38·54	177	146
d Wigan W.W. (Worthington)	The Borough Engineer	5	1	0	225	35·4	39·76	177	143
d Horwich (Lower Rivington)	Lt.-Col. F. Hibbert, C.E.	5	1	0	440	38·7	34·79	201	140
w Horwich (Lower Knoll)	Lt.-Col. F. Hibbert, C.E.	8	1	6	742	41·2	41·77	..	..
w Rivington (Brown Hill)	Lt.-Col. F. Hibbert, C.E.	8	1	6	844	..	42·63	..	..
w Rivington (Brown Hill) new g.	Lt.-Col. F. Hibbert, C.E.	5	1	0	727	..	45·04	..	..
d Rivington (Stoneshouse)	No. 1 Lt.-Col. F. Hibbert, C.E.	10	1	4	629	..	44·26	204	156
d Rivington (Stoneshouse) new g. No. 2	Lt.-Col. F. Hibbert, C.E.	5	1	0	607	..	43·24	204	154
w Rivington (Stoneshouse)	No. 3 Lt.-Col. F. Hibbert, C.E.	8	1	3	629	..	41·70	..	..

‡ Gauge over exposed on Moor.

‡ Per Land Drainage Engineer.

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

		Rain-gauge				1939.		
STATIONS.	AUTHORITIES.	Diam.	Height of		Average Rain-fall.	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
			Rim above Ground.	Ground above Sea Level.				
CENTRAL LANCASHIRE—(con.).								
		in.	ft. in.	ft.	in.	in.		
2.—RIBBLE—Douglas—(con.).								
w||Rivington (Hurst Hill)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1029	..	47·82	..	..
w||Rivington (Great Hill)	Lt.-Col. F. Hibbert, C.E.	8	1 0	1240	..	48·75	..	..
w||Rivington (Coppice Stile)	Lt.-Col. F. Hibbert, C.E.	8	1 0	879	..	39·92	..	..
w Rivington (Gamekeeper's)	Lt.-Col. F. Hibbert, C.E.	8	1 1	850	45·4	44·88	..	..
d Chorley (Com. Bk. Sew. Wks.) (+A) J. Slater, Esq.		5	1 0	179	..	34·38	186	148
d Chorley (Cowling Sew. Wks.)	The Borough Engineer	5	1 0	262	..	41·09	199	152
d Chorley (Bengal St. Store Yard) ..	The Borough Engineer	5	1 0	283	..	37·73	181	129
d Chorley (Botany Sew. Wks.)	The Borough Engineer	5	1 0	296	..	39·98	177	132
p Bretherton (Bank Hall)	Lancashire County Council†	5	1 0	20	..	(36·23)	(175)	(142)
b LEYLAND (Worden Hall)	(+A) H. Nowell Farrington, Esq. ...	5	1 0	125	34·9	35·03	194	152
d Bamber Bridge (Cuerden Hall)	J. Alleyne Robinson, Esq. ...	5	1 0	230	35·7	37·63	177	143
3.—COAST STREAMS. 52 sq. mi.								
p Formby (The Dunes)	J. Harold Coney, Esq.	5	0 9	30	29·8	33·32	176	146
d SOUTHPORT (BEDFORD RD. PARK) ..	The Town Clerk	5	1 0	35	32·0	32·73	184	142
d Rufford (Pulmonary Hospital)	Lancashire County Council†	5	1 0	38	..	34·50	174	138
d Southport (Hesketh Park)	(+A) The Town Clerk	8	1 0	37	32·0	33·91	186	142
d Crossens Pumping Stn.	A. E. Jackson, Esq., C.E.	5	1 0	15	..	32·42	161	130
4.—OUSE—Aire. 2 sq. mi.								
d||Watersheddes Reservoir	A. Boothman, Esq., C.E.	5	1 0	1115	48·4	57·57	223	173
d Watersheddes Res. No. 2	A. Boothman, Esq., C.E.	5	1 0	1115	..	59·23	222	173
Foulridge (Canal Office)	Leeds & Liverpool Canal Co. ...	8	1 0	497	43·5	39·58	..	..
NORTH LANCASHIRE. (Area, 609 sq. mi.).								
1.—DUDDON & C. 77 sq. mi.								
d Barrow-in-Furness (Gas Works) ...	Claude Diamond, Esq.	5	1 0	17	37·6	34·43	..	137
d Barrow-in-Furness (Sew. Wks.) (+A) F. L. Wooldridge, Esq., C.E. ...		5	1 0	20	39·3	35·62	200	143
d Barrow-in-Furness (Risedale C. Sch.) ..	The Headmaster	5	1 0	55	..	34·79	180	136
d Little Urswick (North View)	Miss I. Dobson	5	1 6	130	44·4	44·37	203	150
d Ulverston (Poaka Beck)	Claude Diamond, Esq.	5	1 0	512	52·1	43·06	188	151
d Broughton-in-Furness (Hesketh Hall) C. E. Shawfield, Esq.		5	1 4	130	..	54·47	185	157
w||Duddon Val. (Seathwaite Tarn) ...	Claude Diamond, Esq.	5	1 0	1221	92·7	96·55	..	..
2.—LEVEN & C. 135 sq. mi.								
d Cartmel (Holker Hall)	Lord Richard Cavendish	5	0 9	85	44·5	42·33	197	163
d Grange-over-sands (Yewbarrow Lo.) C. Bateman, Esq.		5	0 8	50	..	41·49	172	141
d Ulverston (Pengwerne)	C. J. Chapman, Esq.	5	1 2	124	50·1	44·60	200	155
d||Ulverston (Pengwerne) Paddock ..	C. J. Chapman, Esq.	8	1 2	128	..	44·68	202	155
d Haverthwaite (Outwood)	Sir Bryan Fell, K.C.M.G.	5	1 0	65	..	49·26	182	156
d Newby Bridge (Swan Hotel)	Freshwater Biological Assoc.*	5	1 0	133	..	51·64	180	152
d Cartmel Fell (Ghyll Head Res.) 4. J. N. Leckie, Esq.		8	1 0	425	63·1	58·23	..	..
d Torver (Greystones)	J. C. Appleyard, Esq.	5	1 0	350	..	64·08	212	173
d Coniston (School Garden)	The Headmaster	5	1 0	180	80·3	89·42	195	175
d Coniston (Thwaite Cottage)	Mrs. J. B. Cohen	5	1 0	150	..	83·14	198	175
d Coniston (Holywath)	Mrs. Hext	8	0 9	250	..	90·66	202	179
d Hawkshead (Low House, Sawrey) ..	Mrs. W. H. Baines	5	1 0	342	65·3	67·79	194	185
d Hawkshead (Foundation Sch.)	The Headmaster	5	1 0	214	71·1	74·56	..	..
d Hawkshead Hill	Miss R. E. Sugden	5	1 0	600	..	82·63	202	169
d Highway (Wray Castle)	Freshwater Biological Assoc. ...	5	1 0	195	..	71·32	188	165
d Ambleside (Skelwith Fold)	Miss C. Marshall	5	1 0	333	81·0	76·16	175	167
d Heysham Harbour	L. M. & S. Rly. Co.	5	1 10	36	34·7	33·35	170	131
3.—KENT & C. 45 sq. mi.								
d MORECAMBE	The Chief Sanitary Inspector ...	8	1 0	24	37·0	32·31	162	125
d Morecambe (Stuart Ave.)	H. W. Apperley, Esq.	5	1 0	18	..	(33·60)	(169)	(133)
d Morecambe (98, Bare Lane)	K. M. Wolstencroft, Esq.	5	..	20	..	32·58	..	..
d Morecambe (139, Bare Lane)	M. E. Burton, Esq., F.R.Met.S. ...	5	1 0	15	..	34·21	173	136
d Hest Bank (Greendale)	W. Watson, Esq.	5	1 6	97	..	34·09	166	135
d Bolton-le-Sands (Hill Close)	Miss F. M. Horner	5	1 0	80	..	34·04	179	140

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

† New Measure.

‡ Per Land Drainage Engineer.

§ Turf wall round gauge.

|| Gauge over exposed on Moor.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.				
			Height of Rim above Ground.	Ground above Sea Level.	Average Rain- fall.	Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.		
NORTH LANCASHIRE—(con.).			in.	ft. in.	ft.	in.	in.			
3.—KENT & C.—(con.).										
d Silverdale (Hawthorn Bank)	Mrs. Robson	8	1	0	50	..	39·46	180	136	
d Lindale (Ellerhow)	Lady Tomlinson	5	1	5	300	51·4	46·07	173	135	
4.—LUNE. 135 sq. mi.										
d Pilling Vicarage	Lancashire County Council†	5	1	0	19	..	30·73	161	136	
d Hampson-in-Ellel	John Welch, Esq.	5	1	0	145	38·3	34·22	187	137	
d Bowland Forest (High Salter)	Vernon P. Royle, Esq.	5	1	0	1014	..	(52·28)	..	..
d Bowland Forest (Whitray)	Vernon P. Royle, Esq.	5	1	0	1139	57·5	49·68	..	..
d Bowland Forest (Lower Salter)	Vernon P. Royle, Esq.	5	1	0	572	52·8	(47·92)	..	..
d Lancaster (Blea Tarn Res.)	F. Hill, Esq., C.E.	5	1	0	330	..	35·16	166	136	
d Lancaster (Lune Aqueduct)	L. M. & S. Rly. Co.	8	1	0	74	38·4	34·01	152	130	
d Wray (Wray House)	Baldwin Bent, Esq., C.E.	5	1	0	170	..	37·50	172	140	
5.—WYRE & C. 213 sq. mi.										
d Weeton Reservoir	No. 1 Fylde Water Board	5	1	0	133	36·6	34·80	174	140	
d Fulwood W.W. (Haighton Res.)	The Engineer and Surveyor†	5	1	0	264	..	(37·27)	(181)	(141)	
d BLACKPOOL (Stanley Park)	Medical Officer of Health	5	1	0	65	33·4	31·79	179	139	
d Broughton (Newsham House)	W. B. S. Smith, Esq.	5	1	0	104	38·2	37·19	188	154	
d Kirkham (Elswick Lodge)	L. G. King, Esq.	5	1	0	52	35·0	33·75	164	135	
d Blackpool (Gosforth Road)	K. Rowson, Esq.	5	1	0	65	..	33·68	172	137	
d St. Michael's-on-Wyre (Fairway)	E. W. Hornby, Esq.	5	1	0	26	36·0	33·29	189	141	
d Fulwood W.W. (Barnsfold Res.)	The Engineer and Surveyor†	5	1	0	508	..	(45·75)	(194)	(153)	
d Fleetwood	Engineer and Surveyor	8	1	0	25	33·4	31·04	164	136	
d FLEETWOOD (Memorial Park)	The Town Clerk	5	1	0	21	..	31·37	158	137	
d Garstang (Barnacre Reservoir)	Fylde Water Board	5	1	0	616	45·7	40·28	183	141	
d Garstang (Grizedale Reservoir)	Fylde Water Board	5	1	0	517	43·6	36·94	178	137	
d Garstang (Calder Intake)	Fylde Water Board	5	1	0	632	46·6	42·66	..	..
d Garstang (Grizedale Intake)	Fylde Water Board	5	1	0	644	46·6	41·83	..	..
d Wyresdale (Abbeystead Res.)	F. Hill, Esq., C.E.	5	1	0	366	47·9	45·43	181	155	
d Abbeystead Gardens	Mr. Geo. Penk	5	1	0	420	50·1	46·63	224	168	
d Damas Ghyll Reservoir	F. Hill, Esq., C.E.	5	1	0	590	..	40·22	184	143	
d Quernmore (Old Gauge Basin)	F. Hill, Esq., C.E.	8	1	0	963	46·1	50·92	..	..
d Quernmore (Hare Syke)	F. Hill, Esq., C.E.	5	1	0	1610	..	58·49	..	..
6.—INSULAR. 4 sq. mi.										

DIVISION IX—YORKSHIRE.

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

1.—LUNE. 178 sq. mi.

d Austwick (Cross House)†	W. Todd, Esq.	5	1 0	500	42·4	38·11	195	143
d Austwick (Beck House)	Rev. J. Turner	5	1 1	475	44·3	40·14	189	140
d High Bentham (Inglefield)	Geoffrey Holmes, Esq.	5	1 0	412	..	38·36	193	147
d Sedbergh (Brigflatts)	The Misses Wilson	5	1 0	305	53·0	51·85	194	156
d Sedbergh (Havera Bank)	A. Mountain, Esq.	5	1 0	450	56·1	51·15	193	162

2.—RIBBLE. 225 sq. mi.

d Colne (Lower Coppy)	J. F. Bedford, Esq., C.E.	5	1 7	975	..	44·41	202	161
d Colne (Laneshaw Res.)	J. F. Bedford, Esq., C.E.	5	1 9	795	..	42·58	203	158
d Barnoldswick (Rainhall Road)	R. H. J. Mills, Esq.	5	1 0	549	38·1	42·70	203	148
d Barnoldswick (Greenberfield L.)	Leeds & L'pool Canal Co.	8	1 0	488	41·5	43·62	..	..
d Slaidburn (Hareden Fell)	E. C. Oakes, Esq., C.E.	8	1 2	1300	..	68·90	..	..
d Slaidburn (Hareden Valley)	E. C. Oakes, Esq., C.E.	8	1 2	563	68·3	66·59	231	166
d Slaidburn (Langden Brook)	E. C. Oakes, Esq., C.E.	8	1 2	556	68·6	68·89	227	173
d Slaidburn (Holdron Moss)	E. C. Oakes, Esq., C.E.	8	1 2	1300	..	63·86	..	..
d Slaidburn (Dunsop Houses)	G. McKay, Esq., C.E.	8	1 6	450	62·9	61·83	183	172

† Station formerly called Austwick (Town Head).

† Per Land Drainage Engineer.

DIVISION IX—YORKSHIRE—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge.		Average Rain-fall	1939.			
			Height of Rim above Ground.	Ground above Sea Level.		Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.	
WEST RIDING—(con.).						in.			
2.—RIBBLE—(con.).									
D Slaiburn (Footholme)	G. McKay, Esq., C.E.	8	1	6	565	62.2	60.86	180	163
M Slaiburn (Middle Knoll)	G. McKay, Esq., C.E.	5	1	0	1288	67.5	64.05	..	..
D Slaiburn (Brennand)	G. McKay, Esq., C.E.	8	1	6	820	68.3	58.20	179	167
D Slaiburn (Croasdale House)	G. McKay, Esq., C.E.	8	1	6	600	51.0	51.79	177	156
D Slaiburn (Stocks) No. 10	Fylde Water Board	5	1	0	658	..	51.68	198	164
D Slaiburn (Croasdale Valley)	G. McKay, Esq., C.E.	8	1	6	720	..	57.32	177	164
D Slaiburn (Whitendale)	G. McKay, Esq., C.E.	8	1	6	830	70.0	61.68	181	170
Slaiburn (Dalehead)	Fylde Water Board	5	1	0	610	..	53.76	..	..
M Slaiburn (Cabin Hill)	G. McKay, Esq., C.E.	5	1	0	1559	68.5	60.00	..	..
M Slaiburn (Baxton Fell)	G. McKay, Esq., C.E.	5	1	0	1525	75.8	73.90	..	..
Settle (Cappleside)	Mrs. Geldard	5	0	10	500	49.9	48.43	186	150
Settle (Catlow)	Fylde Water Board	5	1	0	827	..	61.41	..	..
Settle (Lamb Hill)	Fylde Water Board	5	1	0	1328	..	67.39	..	..
D Settle (Gas Works)	J. W. Shepherd, Esq.	8	2	6	450	43.9	46.29	184	148
D Settle (Giggleswick School)	The Headmaster	8	1	0	575	..	39.94	178	149
3.—MERSEY—Irwell. 2 sq. mi.									
D Oldham (Strinesdale)	C. Busfield, Esq.	5	1	0	791	44.7	49.06	210	156
4.—MERSEY, UPPER. 35 sq. mi.									
Greenfield (Chew, Blindstones)	M. T. B. Whitson, Esq., C.E.	5	..	..	1745	..	61.16	..	..
D Greenfield (Chew Mount)	M. T. B. Whitson, Esq., C.E.	5	1	0	1578	50.7	58.09	246	182
Greenfield (Chew Reservoir)	M. T. B. Whitson, Esq., C.E.	5	1	0	1648	..	63.58	..	..
D Greenfield (Lower Chew)	M. T. B. Whitson, Esq., C.E.	5	..	..	825	..	59.14	217	168
Greenfield (Chew Sluice)	M. T. B. Whitson, Esq., C.E.	5	..	..	1670	..	60.42	..	..
D Greenfield (Sewage Disp. Wks.)	The Manager	5	1	1	499	..	47.05	204	162
D Greenfield (Yeoman Hey)	M. T. B. Whitson, Esq., C.E.	5	1	0	784	49.1	57.03	221	171
Greenfield (Ashway Moss)	M. T. B. Whitson, Esq., C.E.	5	1	0	1581	..	57.15	..	..
Greenfield (Birchen Clough)	M. T. B. Whitson, Esq., C.E.	5	1	0	1018	51.4	59.78	..	..
Greenfield (Upperwood Moor)	M. T. B. Whitson, Esq., C.E.	5	1	0	1518	..	59.13	..	..
Saddleworth Station	L. M. & S. Rly. Co.	5	1	0	563	..	51.10	..	..
D Standedge (Cas. Shaw Broadhead)	C. Busfield, Esq.	8	1	0	957	51.5	56.60	230	190
D Denshaw C.E. School	The Head Teacher	8	1	1	870	..	54.95	205	177
D Denshaw (Ox Hey)	C. Busfield, Esq.	8	1	0	1031	48.9	54.72	225	180
D Denshaw (Crawshaw Hey)	C. Busfield, Esq.	8	1	0	956	48.5	54.26	225	183
D Denshaw (New Year's Br.)	C. Busfield, Esq.	8	1	0	986	..	51.86	225	185
5.—TRENT—Derwent. 9 sq. mi.									
D Burbage (Parsons House)	Sheffield Corporation W.W.	8	1	0	1309	36.1	42.51	201	160
Burbage (Higger Lodge)	Sheffield Corporation W.W.	5	1	0	1225	36.8	43.46	..	..
Burbage (Upper Burbage)	Sheffield Corporation W.W.	5	1	0	1364	38.1	46.80	..	..
M Howden Dean	No. 72 Derwent Valley Water Bd.	5	1	0	960	..	58.16	..	..
M Derwent Dale (Howden Cl'gh) No. 64A	Derwent Valley Water Bd.	5	1	0	1010	44.4	59.83	..	..
M Derwent Dale (Sandy Lee) No. 7A	Derwent Valley Water Bd.	5	1	0	1320	..	61.11	..	..
6.—TRENT—Left Bank Tributaries. 143 sq. mi.									
D Austerfield P.S.	Doncaster & Tickhill Joint Water Bd.	8	1	0	32	..	25.94	177	111
D Rossington Main Colliery	Rossington Colliery Co., Ltd.	5	1	0	22	..	26.61	159	112
D Balby (Sewage Works)	F. O. Kirby, Esq., C.E.	5	1	0	29	..	25.13	165	110
D Doncaster (Low Pasture P.S.)	F. O. Kirby, Esq., C.E.	5	1	0	24	..	24.76	171	106
D DONCASTER (Airport)	The Corporation	8	1	0	26	..	25.42	161	110
7.—OUSE—Don. 574 sq. mi.									
Burbage (Badger Ho.)	Sheffield Corporation W.W.	5	1	0	1138	..	44.59	..	..
D Sheffield W.W. (Redmires R.) (R.)	Sheffield Corporation W.W.	10	5	0	1110	40.3	47.85	222	165
D Sheffield W.W. (Redmires Res.)	Sheffield Corporation W.W.	8	4	0	1110	39.9	47.39	220	168
D Sheffield W.W. (Redmires R.) new g.	Sheffield Corporation W.W.	5	1	0	1110	41.3	48.89	221	176
Rivelin (Oaking Clough)	Sheffield Corporation W.W.	8	1	0	1160	39.8	49.82	..	..
Rivelin (Oaking Clough) .. No. 2	Sheffield Corporation W.W.	5	1	0	1185	..	50.84	..	..
Rivelin (Middle Moss)	Sheffield Corporation W.W.	5	1	0	1168	41.0	51.21	..	..
D Sheffield W.W. (Rivelin)	(+A) Sheffield Corporation W.W.	8	1	6	564	35.2	43.52	205	160
Sheffield W.W. (Black Clough)	Sheffield Corporation W.W.	5	1	0	1175	40.3	50.20	..	..
D Sheffield W.W. (Crookes)	Sheffield Corporation W.W.	5	1	0	629	..	37.49	197	150

DIVISION IX—YORKSHIRE—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Rim	Height of	Average	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.	
			Ground.	Ground	above	fall.			
			Sea Level.	Sea Level.	Sea Level.				
WEST RIDING—(con.).			in.	ft. in.	ft.	in.	in.		
7.—OUSE—Don—(con.).									
d Sheffield W.W. (Crookes)	Sheffield Corporation W.W.	8	2 0	629	..	35.96	199	150	
d SHEFFIELD (Weston Pk.)	The Corporation	5	1 0	429	30.4	36.83	195	146	
Loxley Valley (Crawshaw Wood)	Sheffield Corporation W.W.	5	1 0	1175	..	49.00	..	..
Loxley Valley (Broadcar)	Sheffield Corporation W.W.	5	1 0	1004	44.4	52.18	..	..
Loxley V. (Oaks Fm. Damflask)	Sheffield Corporation W.W.	5	1 0	650	36.1	45.19	..	..
Loxley V. (Loftshaw, Strines)	Sheffield Corporation W.W.	5	1 0	1011	43.2	50.04	..	..
d Loxley Valley (Bradfield Filters)	Sheffield Corporation W.W.	8	1 0	551	..	47.36	206	166	
d Loxley V. (Dale Dike Res.)	Sheffield Corporation W.W.	8	1 0	715	41.9	49.75	217	174	
Loxley Valley (Brogging Moss)	Sheffield Corporation W.W.	5	1 0	1360	..	57.43	..	..
Loxley V. (Thornseat)	Sheffield Corporation W.W.	5	1 0	1326	42.6	51.35	..	..
Loxley V. (Rocher Flat)	Sheffield Corporation W.W.	5	1 0	1106	37.1	46.07	..	..
Loxley V. (Emlin Moor)	Sheffield Corporation W.W.	5	1 0	998	41.3	52.68	..	..
Loxley Valley (White Lee Moor)	Sheffield Corporation W.W.	5	1 0	1170	..	49.80	..	..
Loxley Valley (Hobson Moss)	Sheffield Corporation W.W.	5	1 0	1530	..	56.33	..	..
d Rotherham (Ulley Res.)	No. 2. Vincent Turner, Esq., C.E.	5	1 0	184	23.4	28.50	107	131	
d Rotherham (Ulley Res.)	No. 3. Vincent Turner, Esq., C.E.	5	1 0	132	23.2	29.92	167	132	
d Wincobank (Sewage Works)	J. H. Edmondson, Esq.	5	1 6	110	23.0	29.64	208	122	
d Rotherham (Sitwell Vale)	G. Howard, Esq., F.R.Met.S.	5	1 0	300	26.0	33.79	193	136	
d ROTHERHAM (Broom Lane)	L. Atkinson, Esq.	5	1 0	284	..	31.78	194	122	
d Rotherham (Kimberworth Sch.)	Vincent Turner, Esq., C.E.	5	1 0	258	24.7	28.79	192	131	
d Rotherham (Thrybergh)	F. O. Kirby, Esq., C.E.	8	1 0	184	23.8	32.72	182	129	
d Ecclesfield (Sewage Works)	J. Gregory, Esq., C.E.	5	0 7	172	25.6	33.44	194	142	
d Conisborough (Firsby Res.)	F. O. Kirby, Esq., C.E.	8	1 4	189	26.1	34.81	188	139	
§Ewden (Middle Moss)	Sheffield Corporation W.W.	5	1 0	1600	51.0	57.14	..	..
Ewden (Broomhead Moor)	Sheffield Corporation W.W.	5	1 0	1370	47.8	54.71	..	..
d Ewden (Canyard Brook)	Sheffield Corporation W.W.	5	1 0	585	..	46.85	213	166	
Ewden (Candle Rush)	Sheffield Corporation W.W.	5	1 0	1400	..	56.99	..	..
Ewden (Wightwizzle)	Sheffield Corporation W.W.	5	1 0	860	41.5	48.06	..	..
Ewden (Broomhead Hall)	Sheffield Corporation W.W.	5	1 0	905	42.1	44.98	..	..
d Ewden (More Hall Reservoir)	Sheffield Corporation W.W.	8	1 0	408	33.9	40.68	210	155	
d Ewden (Broomhead Reservoir)	Sheffield Corporation W.W.	8	1 0	585	35.6	45.12	211	166	
d Ewden (Broomhead Res.) Check	Sheffield Corporation W.W.	5	1 0	484	..	43.30	206	162	
Ewden (Margery Hill)	No. 2. Sheffield Corporation W.W.	5	1 0	1784	52.3	59.91	..	..
Ewden (Waldershaigh)	Sheffield Corporation W.W.	5	1 0	875	35.3	40.14	..	..
Ewden (Brown Edge)	Sheffield Corporation W.W.	5	1 0	1325	50.5	54.07	..	..
d Wentworth Woodhouse	Mr. A. Third	5	0 10	360	27.2	29.26	167	125	
d Mexborough	G. Fenwick Carter, Esq., C.E.	5	1 6	77	22.4	29.73	174	123	
Wortley (Service Reservoir)	W. G. Lees, Esq., C.E.	5	1 0	700	30.0	39.18	222	156	
d Midhope Moor (Barnside)	W. G. Lees, Esq., C.E.	5	1 0	1000	43.4	51.41	245	183	
Little Don Val. (Laund Clough)	Sheffield Corporation W.W.	5	1 0	1515	..	61.12	..	..
d Little Don Val. (Underbank Res.)	Sheffield Corporation W.W.	8	1 6	604	36.8	43.36	212	171	
Little Don Val. (Brockholes)	Sheffield Corporation W.W.	5	1 0	902	37.6	44.27	..	..
Little Don Val. (Sheep House)	Sheffield Corporation W.W.	5	1 6	945	34.6	41.18	..	..
d Langsett Moor (Midhope)	W. G. Lees, Esq., C.E.	5	1 0	823	..	50.76	217	168	
d Langsett Moor (Up. Midhope)	Sheffield Corporation W.W.	8	1 6	925	41.6	45.89	232	163	
§Langsett Moor (Mickleden)	Sheffield Corporation W.W.	5	1 0	1217	48.0	59.69	..	..
Langsett Moor (Mickleden) Check	Sheffield Corporation W.W.	5	1 0	1110	50.3	61.42	..	..
Langsett Moor (Cathclough)	Sheffield Corporation W.W.	8	1 0	1516	47.8	55.51	..	..
§Langsett Moor (Fiddlers Green)	Sheffield Corporation W.W.	8	1 6	1493	48.7	57.51	..	..
Langsett Moor (Fiddler's G.) Check	Sheffield Corporation W.W.	5	1 0	1480	49.1	57.40	..	..
§Dunford Bdge. (Woodld. Clough) No. 11 G. E. V. Boldry, Esq., C.E.		5	1 0	1440	..	63.45	..	..
§Dunford Bdge. (Brown's Clough) No. 10 G. E. V. Boldry, Esq., C.E.		5	1 0	1405	..	66.75	..	..
Langsett Moor (Border Hill)	Sheffield Corporation W.W.	5	1 0	1148	46.9	52.40	..	..
d Langsett Moor (Swinden Lodge) (+ A) Sheffield Corporation W.W.		8	1 0	1032	44.0	49.38	239	164	
d Langsett Moor (Flouch Road)	Sheffield Corporation W.W.	8	1 0	960	42.2	48.07	227	166	
d Wath-upon-Deane (Chapel St.)	Dr. T. Crowley	8	1 3	188	24.8	28.61	163	122	
w§Hazelehead (Town Brook Intake)	W. G. Lees, Esq., C.E.	5	1 0	1037	..	52.96	..	..
w§Dunford Bridge (Long Grain)	W. G. Lees, Esq., C.E.	5	1 0	1125	..	55.88	..	..
d§Wogden Foot (Cat Clough)	W. G. Lees, Esq., C.E.	5	1 0	889	..	52.65	..	..
d Doncaster (Pumping Station)	F. O. Kirby, Esq., C.E.	5	1 0	31	..	25.12	161	111	

§ Turf wall round gauge

DIVISION IX—YORKSHIRE—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
			Rim above Ground.	Ground above Sea Level.	Rain-fall.			
WEST RIDING—(con.).			in.	ft. in.	ft. in.	in.		
7.—OUSE—Don—(con.).								
■ Bolton-on-Dearne (Goldthorpe) ...	E. Washington, Esq.	5	1	0	93	24·3	31·48	175 125
■ Dunford Bridge (Windledon) ...	G. E. V. Boldry, Esq., C.E. ...	5	2	2	1161	49·3	53·84	.. ..
§ Dunford Bridge (Dearden Moss) ...	G. E. V. Boldry, Esq., C.E. ...	5	1	0	1500	..	66·80	.. ..
■ Dunford Bridge (Stoney Gate) ...	G. E. V. Boldry, Esq., C.E. ...	5	1	0	1086	..	60·06	219 172
§ Dunford Bridge (End Springs) ...	G. E. V. Boldry, Esq., C.E. ...	5	1	0	1450	..	67·35	.. ..
■ Dunford Bridge Res. <i>new g.</i> ...	G. E. V. Boldry, Esq., C.E. ...	5	1	0	1081	..	61·87	221 180
■ Dunford Bridge Res. ...	G. E. V. Boldry, Esq., C.E. ...	5	2	0	1111	49·2	56·76	219 180
■ Dunford Bridge (Dearden) ...	G. E. V. Boldry, Esq., C.E. ...	5	1	6	1244	49·3	54·35	.. ..
■ Dunford Bridge (Grains Plantations)	G. E. V. Boldry, Esq., C.E. ...	5	1	0	1150	..	57·35	.. ..
§ Dunford Bridge (Swiner Clough Moss)	G. E. V. Boldry, Esq., C.E. ...	5	1	0	1503	..	65·40	.. ..
■ Dunford Bridge (Harden) ...	G. E. V. Boldry, Esq., C.E. ...	5	2	0	1300	50·9	53·13	.. ..
■ Dunford Bridge (Harden) <i>new g.</i> ...	G. E. V. Boldry, Esq., C.E. ...	5	1	0	1204	..	59·30	225 175
■ Dunford Bridge (Reaps Slack) ...	G. E. V. Boldry, Esq., C.E. ...	5	1	0	1490	..	65·45	.. ..
■ Dunford Bridge (Snailsden) ...	G. E. V. Boldry, Esq., C.E. ...	5	2	0	1379	50·8	53·47	.. ..
■ Darfield (Sewage Wks.) ...	The Surveyor ...	5	1	0	83	..	30·34	174 126
■ Penistone (Royd Moor) ...	W. G. Lees, Esq., C.E. ...	5	1	0	835	..	42·40	217 158
■ Penistone (Scout Dike Res.) ...	W. G. Lees, Esq., C.E. ...	5	1	0	730	32·8	38·14	218 154
■ Penistone (Gringley Carr) ...	W. G. Lees, Esq., C.E. ...	5	1	0	1090	..	46·40	.. ..
■ Penistone (Ingbirchworth Res.) ...	W. G. Lees, Esq., C.E. ...	5	1	6	853	38·0	39·84	203 153
■ Penistone (Spicer House) ...	W. G. Lees, Esq., C.E. ...	5	1	0	985	..	43·80	.. ..
■ Penistone (Broadstone Res.) ...	W. G. Lees, Esq., C.E. ...	5	1	0	..	36·8	43·79	213 164
■ Penistone (Broadstone Res.) <i>new g.</i> ...	W. G. Lees, Esq., C.E. ...	5	1	0	1030	..	47·37	213 168
■ Hepworth (Pottersgate Ho.) ...	W. G. Lees, Esq., C.E. ...	5	1	0	1165	..	46·60	.. ..
■ Barnsley (Jordan Hill) ...	W. G. Lees, Esq., C.E. ...	5	1	0	460	26·2	31·16	190 138
■ Doncaster (Sandall Works) ...	F. O. Kirby, Esq., C.E. ...	5	1	0	41	..	24·89	175 108
■ Bentley Colliery ...	Messrs. Barber, Walker & Co., Ltd. ...	5	1	0	23	..	24·91	175 113
■ Cawthorne (Cannon Hall) ...	J. M. Spencer Stanhope, Esq. ...	5	0	11	418	29·1	32·13	177 136
■ Barnsley (Burntwood Hall) ...	J. Dymond, Esq. ...	5	1	0	378	25·9	31·20	191 133
■ Kirk Bramwith ...	C. E. Farran, Esq., C.E. ...	5	2	6	22	23·2	23·25	160 111
■ Rawcliffe (Black Drain P.S.) ...	G. H. Simmons, Esq. ...	5	0	10	12	..	24·70	154 113
■ Goole ...	Aire & Calder Navigation ...	5	1	0	18	22·9	24·83	174 126
8.—OUSE—Aire—Calder. 361 sq. mi.								
■ Holmbridge (Yateholme Res.) ...	H. P. Joyce, Esq. ...	5	1	0	1009	59·2	70·60	217 179
■ Holmbridge (Yateholme Farm) ...	H. P. Joyce, Esq. ...	5	1	0	861	56·4	68·43	217 178
■ Holmbridge (Bilberry Res.) ...	J. P. Beveridge, Esq., C.E. ...	5	1	0	970	52·4	54·87	.. ..
■ Holmfirth (Boshaw Whams R.) ...	J. P. Beveridge, Esq., C.E. ...	5	1	0	930	49·7	49·10	.. ..
§ Hepworth (Spring Head) <i>new g.</i> ...	W. G. Lees, Esq., C.E. ...	5	1	0	1165	..	45·70	.. ..
§ Hepworth (Spring Head) ... (a)	W. G. Lees, Esq., C.E. ...	5	1	0	1180	..	(46·70)	.. ..
■ Meltham (Harden Moss) ...	J. P. Beveridge, Esq., C.E. ...	8	1	0	1212	..	53·45	.. ..
■ Wessenden Head ...	J. P. Beveridge, Esq., C.E. ...	8	1	0	1270	..	57·16	.. ..
■ Wessenden (Holly Bank Moss) ...	J. P. Beveridge, Esq., C.E. ...	8	1	0	1280	..	58·39	.. ..
■ Wessenden (Old Reservoir) ...	J. P. Beveridge, Esq., C.E. ...	8	1	0	1270	..	56·13	.. ..
■ Stanedge (Redbrook Res.) ...	L.M. & S. Rly. Co. ...	5	1	0	1150	..	56·28	.. ..
■ Wessenden (Butterley Moss) ...	J. P. Beveridge, Esq., C.E. ...	8	1	0	1110	..	51·34	.. ..
§ Wessenden (Bobus) ...	J. P. Beveridge, Esq., C.E. ...	8	1	0	1200	..	53·23	.. ..
■ Meltham (Brow Grains) ...	J. P. Beveridge, Esq., C.E. ...	8	1	0	900	45·0	54·58	.. ..
■ Meltham (Royd Edge) ...	United Thread Mills, Ltd. ...	8	1	0	585	48·3	53·30	217 166
■ MELTHAM (Harewood Lodge) ...	The late C. L. Brook, Esq. ...	8	1	0	514	44·5	(49·15)	(228) (170)
■ Meltham Grange ...	J. P. Beveridge, Esq., C.E. ...	8	1	0	850	42·9	48·12	.. ..
■ Marsden Reservoir ...	L.M. & S. Rly. Co. ...	5	1	0	657	50·5	58·96	.. ..
■ Marsden (Deer Hill) ...	J. P. Beveridge, Esq., C.E. ...	8	1	0	1149	42·8	51·14	.. ..
■ Marsden (Deer Hill) <i>new g.</i> ...	J. P. Beveridge, Esq., C.E. ...	8	1	0	1149	45·0	48·88	.. ..
■ Slaithwaite (Blackmoorfoot) ...	J. P. Beveridge, Esq., C.E. ...	8	1	0	800	43·1	40·62?	223 153
■ Slaithwaite (Inglewood) ...	J. Woodhead, Esq. ...	5	1	0	546	43·5	50·36	231 164
■ HUDDERSFIELD (RAVENSKNOLLE) ...	The Corporation ...	8	0	11	325	30·1	33·23	195 147
■ HUDDERSFIELD (OAKES) ...	S. Morris Bower, Esq. ...	5	1	0	761	34·3	40·70	222 160
■ Moss Moor (Linsgreave) ...	Wakefield Corp'n. W.W. ...	5	1	0	1264	52·3	52·81	.. ..
■ Rishworth (G. Walden Edge) <i>old g.</i> ...	Wakefield Corp'n. W.W. ...	8	1	2	1135	49·3	53·07	246 178
■ Rishworth (G. Walden Edge) <i>check</i> ...	Wakefield Corp'n. W.W. ...	5	1	0	1135	49·3	53·10	246 178

§ Turf wall round gauge.

† Gauge on a steep bank.

DIVISION IX—YORKSHIRE—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Aver- age Rain- fall.	Ground above Sea Level.	Rain- fall.	Days with or more.	Days with or more.
			Rim above Ground.	Ground above Sea Level.					
WEST RIDING—(con.).			in.	ft. in.	ft.	in.	in.		
8.—OUSE—Aire—Calder—(con.).									
w Rishworth (Long Clough)	Wakefield Corpn. W.W.	5	1 0	1000	52.8		54.59	..	..
w Rishworth (Stott Hall)	Wakefield Corpn. W.W.	5	1 0	935	46.8		50.42	..	..
d Rishworth Lodge	Wakefield Corpn. W.W.	5	0 11	950			47.29	215	166
w Rishworth (Green Withens Res.)	Wakefield Corpn. W.W.	5	1 0	1205	48.2		47.41	234	172
w Rishworth (Pike End)	Wakefield Corpn. W.W.	5	1 0	1225	48.3		49.69	..	..
d Rishworth (Ringstone Res.) (lower)	Wakefield Corpn. W.W.	5	1 0	962	46.9		50.78	218	162
w Soyland Moor (Greystones)	Wakefield Corpn. W.W.	5	1 4	1192	52.6		55.30	..	..
d Soyland Moor (Rishworth Drain)	C. Busfield, Esq.	8	1 0	1290	52.9		60.16	223	180
w Soyland Moor (Summit) (East)	Wakefield Corpn. W.W.	5	0 11	1218	52.9		54.86	..	..
d Soyland Moor (Stansfield Hey)	Wakefield Corpn. W.W.	5	1 0	700	43.3		44.91	203	158
w Soyland Moor (Baitings)	Wakefield Corpn. W.W.	5	1 0	943	51.4		53.30	..	..
d Soyland Moor (Byron Edge)	C. Busfield, Esq.	8	1 0	1251	48.3		49.60	220	160
w Soyland Moor (Manshead)	Wakefield Corpn. W.W.	5	1 0	1225	51.6		52.48	..	..
d Walsden (White Holme)	C. Busfield, Esq.	8	1 0	1240	..		46.60	220	163
d Walsden (Calf Lee)	Rochdale Corporation	8	1 0	960	..		48.78	222	154
d Walsden (Warland Res.)	Rochdale Corporation	8	1 0	1245	48.6		48.33	223	154
d Walsden (Warland Drain)	Rochdale Corporation	8	1 0	1250	51.9		57.53	223	163
d Horbury (Addingford Hos.)	J. H. Horsfall, Esq.	8	1 0	169	23.3		29.37	199	139
d Mirfield (Cote Wall)	F. P. Mitchell, Esq.	8	1 0	200	30.2		31.89	157	134
d Wakefield (Sewage Works)	J. H. Garner, Esq., B.Sc.	5	1 0	71	..		26.34	152	115
d WAKEFIELD (Clarence Park)	The Corporation	5	1 0	124	25.4		29.11	206	134
d Normanton (Haw Hill Park)	The Surveyor, U.D.C.	8	1 1	136	23.3		28.23	182	132
w Walsden (Ramsden Hill)	Rochdale Corporation	5	1 0	1326	52.0		45.92	..	..
d Walsden (Ramsden Reservoir)	Rochdale Corporation	5	1 0	993	52.7		47.10	202	159
d Todmorden (Gorpley Res.)	The Borough Engineer	5	1 3	900	..		59.74	216	163
d Todmorden (Fielden Hospital)	L. A. Crabtree, Esq.	5	1 0	650	..		52.59	272	168
d Todmorden (Lower Laith)	D. A. Lord, Esq.	5	1 0	500	..		52.47	253	167
d Todmorden (Sourhall Hospital)	L. A. Crabtree, Esq.	5	1 0	1020	53.8		55.68	232	173
d Halifax (Public Library)	E. Green, Esq.	8	1 0	625	34.3		36.75	205	149
d Dewsbury (Mitchell Laithes Sew. Wks.)	The Manager	5	1 0	115	..		27.77	187	124
d Dewsbury (Municipal Offices) (+A)	The Borough Engineer	5	1 6	225	..		27.38	169	127
d Dewsbury (Crow Nest Park)	Superintendent of Parks	8	1 0	300	..		29.75	188	135
d Heckmondwike (The Bottoms)	Spenborough U.D.C.	5	1 0	164	..		27.64	184	133
d Batley (Staincliffe Reservoir)	H. P. Joyce, Esq.	5	1 0	492	24.1		29.74	193	142
d Ardsley (Jaw Hill Filters)	Wakefield Corpn. W.W.	5	1 0	315	22.4		28.39	183	135
d Ardsley Reservoir Upper	Wakefield Corpn. W.W.	5	1 2	395	23.9		26.09	173	135
d Halifax W.W. (Albert Res.)	J. Noel Wood, Esq., C.E.	5	1 0	795	35.3		39.55	200	155
d Halifax W.W. (Gibbet Res.)	J. Noel Wood, Esq., C.E.	5	1 0	565	34.6		38.85	194	150
d Mytholmroyd (Midgley Road)	Mrs. R. Redman	5	1 0	475	..		47.97	230	171
d Halifax W.W. (Ramsden Wood)	J. Noel Wood, Esq., C.E.	5	1 0	815	38.3		44.96	197	165
d Halifax W.W. (Castle Carr Lo.)	J. Noel Wood, Esq., C.E.	5	1 0	1060	42.6		49.16	224	170
w Halifax W.W. (Gorple Res.) No. 2	J. Noel Wood, Esq., C.E.	5	..	1275	..		60.38	..	..
w Halifax W.W. (Midgley Moor)	J. Noel Wood, Esq., C.E.	8	1 0	1350	44.3		50.10	..	..
w Halifax W.W. (Gorple Res.) No. 3	J. Noel Wood, Esq., C.E.	5	..	1160	..		55.13	..	..
w Halifax W.W. (Warley Moor)	J. Noel Wood, Esq., C.E.	8	1 0	1325	43.0		48.80	..	..
d Halifax W.W. (Ogden)	J. Noel Wood, Esq., C.E.	5	1 0	990	43.5		45.40	214	166
w Halifax W.W. (Ovenden Moor)	J. Noel Wood, Esq., C.E.	8	1 0	1375	41.8		50.90	..	..
d Halifax W.W. (Gorple Res.)	J. Noel Wood, Esq., C.E.	5	1 0	1028	..		61.28	230	178
w Halifax W.W. (Widdop Res. No. 4)	J. Noel Wood, Esq., C.E.	5	..	1060	..		54.53	..	..
d Halifax W.W. (Widdop Res.) No. 2	J. Noel Wood, Esq., C.E.	5	..	1065	..		55.02	217	177
w Halifax W.W. (Widdop Res.) No. 3	J. Noel Wood, Esq., C.E.	5	..	1060	..		53.32	..	..
d Halifax W.W. (Walshaw Dean L.)	J. Noel Wood, Esq., C.E.	5	1 0	1040	48.1		49.17	218	168
w Halifax W.W. (Walshaw Dean) No. 3	J. Noel Wood, Esq., C.E.	..	..	1180	..		56.91	..	..
w Halifax W.W. (Widdop Res.) No. 5	J. Noel Wood, Esq., C.E.	5	..	1280	..		55.66	..	..
w Halifax W.W. (Walshaw Dean) No. 4	J. Noel Wood, Esq., C.E.	..	..	1425	..		55.33	..	..
9.—OUSE—Aire. 504 sq. mi.									
d PONTEFRAC (The King's School)	The Headmaster	5	1 0	255	23.3		28.36	172	120
d Pontefract (Roall W.W.)	W. H. Newton, Esq., C.E.	8	1 0	42	23.0		26.83	175	120
d Rothwell (Lemonroyd Sew. Wks.)	Rothwell U.D.C.	5	1 0	64	..		25.96	177	125
Bradford (Brayshaw Reservoir)	Bradford W.W.	5	1 0	982	36.5		38.28	..	..
d BRADFORD (Lister Park)	The Corporation	8	1 0	439	33.9		34.63	191	136

|| Exposure unorthodox.

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average		Rain-fall.	Days with or more.	Days with or more.
			Rim	Ground	above	Rain-fall.			
			above	above	fall.				
			Ground.	Sea Level.					
WEST RIDING—(con.).									
		in.	ft.	in.	ft.	in.	in.		
9.—OUSE—Aire—(con.).									
Bradford (Thornton Moor Filters) ..	Bradford W.W.	5	1	0	1190	44.3	47.98	228	171
Bradford (Stubden Res.) .. No. 8	Bradford W.W.	5	1	0	1071	44.9	45.91	206	161
Bradford (Nan Scar, Oxenhope) ..	Bradford W.W.	5	1	0	1101	47.6	51.04	..	..
Bradford (Stairs Top, Oxenhope) ..	Bradford W.W.	5	1	0	1360	52.4	59.01	..	..
Bradford (Leeming Reservoir) ..	Bradford W.W.	5	1	0	850	41.0	49.25	219	169
Bradford (Doe Park Reservoir) ..	Bradford W.W.	5	1	0	756	..	44.05	210	157
Bradford (Leeshaw Res.) ..	Bradford W.W.	5	1	0	875	47.3	54.21	213	175
Bradford (Chellow Dean Res.) ..	Bradford W.W.	5	1	0	645	34.5	37.07	177	148
Bradford (Chellow Heights Res.) ..	Bradford W.W.	5	1	0	848	36.6	38.36	178	152
Bradford (Hewenden Res.) ..	Bradford W.W.	5	1	0	677	..	41.10	201	157
Bradford (Heaton Reservoir) ..	Bradford W.W.	5	1	0	531	32.6	35.01	187	137
Leeds (Wortley Reservoir) ..	K. L. Forster, Esq., C.E.	8	0	9	307	28.1	26.82	187	120
Leeds (Knostrop) ..	K. L. Forster, Esq., C.E.	8	0	9	72	24.0	25.29	170	124
Leeds (Woodhouse Moor) ..	K. L. Forster, Esq., C.E.	8	0	9	307	26.7	28.81	199	139
Seacroft (Leeds City Hospital) ..	The Medical Superintendent.	8	1	0	235	29.3	29.66	164	133
Aberford (Lotherton Hall) ..	Col. R. T. T. Gascoigne, D.S.O.	5	1	0	208	24.5	31.17	171	133
Leeds (Chandos Gdns.) ..	E. J. Tibbs, Esq.	5	1	0	400	..	(28.48)	..	..
Leeds (Weetwood Res.) ..	K. L. Forster, Esq., C.E.	8	0	9	328	27.5	29.78	207	136
Leeds (Weetwood Garth) ..	Mrs. F. Gott, J.P.	5	1	0	300	27.7	31.35	..	124
Haworth (Harbour Lodge) ..	A. Boothman, Esq., C.E.	8	1	0	1165	52.5	53.73	209	169
Haworth (Lr. Laithe Res.) .. (+A)	A. Boothman, Esq., C.E.	6	1	0	772	48.1	50.25	208	160
Oakworth (Oldfield Filters) ..	A. Boothman, Esq., C.E.	5	1	0	1008	44.6	51.80	216	169
Oakworth (Oldfield Filters) No. 2	A. Boothman, Esq., C.E.	5	1	0	978	..	52.69	216	169
Oakworth (Keighley Moor) ..	A. Boothman, Esq., C.E.	5	1	0	1300	..	54.19	..	..
Oakworth (Clough Hey) ..	A. Boothman, Esq., C.E.	5	1	0	1075	..	50.35	..	..
Oakworth (Newhome Dean) ..	A. Boothman, Esq., C.E.	5	1	0	675	..	43.28	199	157
Oakworth (Heaton's Farm) ..	A. Boothman, Esq., C.E.	5	1	0	975	..	47.87	..	..
Bingley (St. Ives Res. Stn.) ..	The Director ..	8	1	0	610	..	35.54	197	138
Bingley (Gilstead Filters) ..	Bradford W.W.	5	1	0	572	..	38.06	190	156
Keighley (The Knowle) ..	P. Clough, Esq.	5	1	0	390	38.0	39.18	194	152
Keighley (Hard Ings Lane) ..	Medical Officer of Heath	5	0	10	304	35.7	39.26	200	159
Bingley (Sunnydale Reservoir) ..	Bradford W.W.	5	1	0	825	33.1	36.09	..	..
Salterforth (Barnoldswick W.W.)	Barnoldswick U.D.C.	8	1	4	832	46.6	48.07	..	..
Earby (Sewage Works) .. (+A)	The Surveyor ..	5	1	9	426	39.3	41.71	199	144
Silsden (Gill Grange) ..	Bradford W.W.	5	1	0	883	30.8	33.74	..	..
Silsden Reservoir ..	Bradford W.W.	5	1	0	560	31.2	37.52	188	156
Silsden (Cringles Res. Site) ..	Bradford W.W.	5	1	0	715	31.3	29.44	..	..
Elslack (Stories Farm) ..	Barnoldswick U.D.C.	8	0	7	675	..	42.22	202	161
Skipton (Brougham St. School) ..	The Headmaster ..	5	1	2	375	..	33.73	181	135
Skipton (Town Hall) .. (+A)	K. R. Robinson, Esq.	6	1	6	367	33.5	35.91	199	148
Gargrave (Banks Hill Banknewton)	Leeds & Liv'pool Canal Co.	8	1	0	545	35.5	37.81	..	..
Gargrave (Ray Bridge Hill) ..	Leeds & Liv'pool Canal Co.	8	0	10	459	34.2	40.87	..	..
Winterburn (Long Hill) ..	Leeds & Liv'pool Canal Co.	8	1	0	705	37.8	40.44	..	..
10.—OUSE—Wharfe. 408 sq. mi.									
Adel (Eccup, East) ..	K. L. Forster, Esq., C.E.	8	0	9	375	29.3	28.09	190	144
Harewood (Arthington) ..	K. L. Forster, Esq., C.E.	8	0	9	139	32.0	32.99	188	141
Harewood House ..	Dowager Countess of Harewood.	5	0	10	300	29.7	34.92	183	146
Ilkley (Silverwell Cottage) ..	The Engineer & Surveyor ..	5	1	0	900	38.2	39.72	205	159
Ilkley (Spence's Garden) ..	The Engineer & Surveyor ..	5	1	0	315	35.1	38.88	193	153
ASKHAM BRYAN (Exptl. Farm) ..	University of Leeds	5	1	0	90	..	22.50	165	114
Leathley (Lindley Wood S.) ..	K. L. Forster, Esq., C.E.	8	0	9	312	31.6	33.69	200	154
Ilkley (March Gill Reservoir) ..	C. F. Hodgson, Esq., C.E.	5	1	0	655	34.0	35.49	194	150
York (Middlethorpe Hall) ..	Mr. J. Fletcher	5	1	0	48	..	24.92	180	127
York (Chalfonts) ..	Arnold S. Rowntree, Esq.	5	1	0	57	..	25.86	156	124
York (Bishopthorpe Road) ..	J. Terry & Sons Ltd.	5	1	0	54	..	23.94	163	122
York (Acomb Landing) ..	York W.W. Co.	5	1	0	40	22.6	24.95	175	125
Skipton (Counter Hill) ..	Bradford W.W.	5	1	0	951	30.2	31.21	..	..
Skipton (Chelker Reservoir) ..	Bradford W.W.	5	1	0	730	32.9	32.25	193	152
Beamsley (Boyle & Petyt Sch.) ..	The Head Mistress ..	5	1	0	410	..	33.83	..	141
Fewston (Timble Ings) ..	K. L. Forster, Esq., C.E.	8	0	9	912	35.5	44.28	192	154
Fewston (Swinsty, East) ..	K. L. Forster, Esq., C.E.	8	0	9	460	34.4	37.24	198	150
Fewston, North ..	K. L. Forster, Esq., C.E.	8	0	9	525	..	36.55	198	156

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average 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.			
WEST RIDING—(con.).									
10.—OUSE—Wharfe—(con.).									
Fewston (Blubberhouses)	K. L. Forster, Esq., C.E.	8	0	9	575	37.1	40.49	207	164
d Bolton Abbey Estate Office	E. E. Hey, Esq.	5	1	2	368	36.3	32.37	194	153
n§ Barden Reservoir	Bradford W.W.	5	1	0	746	41.8	45.03	221	166
m Upper Barden Reservoir	Bradford W.W.	5	1	0	1164	..	48.75	..	..
Thruscross (Lane Head)	K. L. Forster, Esq., C.E.	8	0	9	950	..	43.73	225	165
m§ Burnsall (Thorpe Fell)	Bradford W.W.	5	1	0	1649	..	49.06	..	..
m Burnsall (Sandbed Beck)	Bradford W.W.	5	1	0	676	41.0	42.52	..	..
d Grassington (Greenways)	Mrs. D. Sampson	5	1	0	650	..	46.53	..	..
d Grimwith Reservoir	Bradford W.W.	5	1	0	884	43.9	41.67	213	164
m Grimwith (Trunla Hill)	Bradford W.W.	5	1	0	1201	..	46.95	..	..
d Oughtershaw Hall	Miss G. J. Woodd.	5	1	6	1175	..	64.70	239	180
11.—OUSE—Nidd. 254 sq. mi.									
d Wetherby (Stockeld Park)	C. E. Johanson, Esq.	5	1	2	200	25.8	29.16	..	..
Spofforth (Sewage Works)	Borough Corporation	5	1	0	184	27.0	31.37	195	147
d Poppleton (Sugar Factory)	British Sugar Corp'n., Ltd.	8	0	10	45	..	24.83	176	131
d Wetherby (Ribston Gardens)	P. Hornby, Esq.	5	1	2	130	26.5	(31.26)	..	..
m Harrogate W.W. (Ling Cottage)	A. S. West, Esq., C.E.	5	1	0	740	33.4	39.08	..	..
m Harrogate W.W. (Broad Dubb)	A. S. West, Esq., C.E.	5	1	0	725	34.1	40.71	..	..
m Harrogate W.W. (Cobblers Cott.)	A. S. West, Esq., C.E.	5	1	0	730	33.5	38.04	..	..
d Harrogate W.W. (Ten Acres Res.)	A. S. West, Esq., C.E.	8	1	6	620	34.9	36.40	204	154
d Harrogate W.W. (Scargill Res.)	A. S. West, Esq., C.E.	8	1	0	646	34.8	35.31	203	153
d Harrogate W.W. (Beaver Dyke R.)	A. S. West, Esq., C.E.	8	0	11	575	34.1	35.50	203	159
m Harrogate W.W. (John o' Gaunts)	A. S. West, Esq., C.E.	5	1	0	600	33.8	39.08	..	..
m§ Harrogate W.W. (Long Stoop)	A. S. West, Esq., C.E.	5	1	0	700	33.8	38.76	..	..
m Harrogate W.W. (Knab's Moor)	A. S. West, Esq., C.E.	5	1	0	700	32.5	38.11	..	..
d HARROGATE (Harlow Moor Obsy.)	Borough Corporation	5	1	0	478	30.6	31.64	192	144
d Harrogate (Harlow Hill Res.)	A. S. West, Esq., C.E.	8	1	0	589	..	33.17	188	155
d Harrogate (Harlow Hill Res.) <i>new</i> g A. S. West, Esq., C.E.	A. S. West, Esq., C.E.	8	1	0	561	..	33.36	188	155
d Harrogate (Irongate Bridge Res.)	A. S. West, Esq., C.E.	8	1	6	455	29.3	35.99	194	157
d Knaresborough (Goldsb'ro' Hall Gdns) Mr. R. Wilson . . . . .	.. . . .	5	1	0	112	25.8	29.34	175	127
d Knaresborough (Water Tower)	A. S. West, Esq., C.E.	5	1	0	240	27.1	29.74	168	130
Harrogate (Bilton Sewage Works)	Borough Corporation	5	1	0	208	28.5	30.07	202	153
d Birstwith Hall	Sir F. A. Aykroyd, Bt.	5	1	0	375	34.4	38.69	224	156
d Birstwith (Swarcliffe)	Capt. C. S. Greenwood	5	1	0	510	33.9	34.63	193	156
Ramsgill (Holme Ho. Gouthwaite)	Bradford W.W.	5	1	0	464	39.9	42.34	..	..
d Ramsgill (Raygill House)	Bradford W.W.	5	1	0	925	46.7	46.35	188	161
d Ramsgill	Bradford W.W.	5	1	0	450	42.1	44.34	195	156
d Middlesmoor (Stean Moor)	Sir F. A. Aykroyd, Bt.	5	1	0	1000	49.6	40.53?	195	172
m Nidderdale (East Gill Head)	Bradford W.W.	5	1	0	1710	57.6	63.39	..	..
m Nidderdale (Rain Stang)	Bradford W.W.	5	1	0	1470	47.4	47.88	..	..
d Nidderdale (New Houses)	Bradford W.W.	5	1	0	755	45.8	45.94	195	169
d Nidderdale (West Houses)	Bradford W.W.	5	1	0	1165	52.5	59.53	223	170
12.—OUSE—Ure. 110 sq. mi.									
d Burton Leonard	B. Coore, Esq.	5	1	0	290	..	28.05	184	135
Dallow Moor (Harper Hill)	K. L. Forster, Esq., C.E.	8	0	9	819	..	36.21	..	165
d Ripon (Studley Royal Gdns.)	F. M. Sutherland, Esq.	5	1	6	330	29.1	33.24	..	..
d† Ripon (Knaresborough Rd.)	J. H. Abbott, Esq.	5	1	0	100	..	26.08	198	123
d Ripon (Grammar School)	The Headmaster	5	1	0	150	..	31.28	186	136
Kirby Malzeard (Drovers' Inn)	K. L. Forster, Esq., C.E.	8	0	9	576	36.0	37.35	224	162
Kirby Malzeard (Hawstt)	K. L. Forster, Esq., C.E.	5	0	9	820	37.1	35.97	210	150
w Kirby Malzeard (Hambleton Hill)	K. L. Forster, Esq., C.E.	8	0	9	1106	39.7	42.60	..	..
d Kirby Malzeard (Arunds)	F. Scrivener, Esq.	5	1	0	450	..	33.55	184	146
Kirby Malzeard (Bagwith Brae)	K. L. Forster, Esq., C.E.	5	0	9	703	32.9	35.74	225	158
w Kirby M. (Stone & Ears Wham)	K. L. Forster, Esq., C.E.	8	0	9	1118	39.7	40.98	..	..
EAST RIDING. (Area, 1,176 sq. mi.).									
1.—OUSE—Left Bank Tributaries. 82 sq. mi.									
d York (Dunnington Hall)	Miss E. C. Hildyard	8	1	2	110	24.6	29.25	212	148
2.—OUSE—Derwent. 248 sq. mi.									
d Birdsall Gardens	Mr. J. Anderson	5	1	2	308	29.2	31.71	173	132
d Killington (Scampston Hall)	W. H. St. Quintin, Esq.	5	1	6	102	27.1	27.69	190	118

† Gauge over-sheltered.

§ Turf wall round gauge.

DIVISION IX—YORKSHIRE—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average Rain- fall.	Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.	
			Rim above Ground.	Ground above Sea Level.					
EAST RIDING—(con.).			in.	ft. in.	ft.	in.	in.		
2.—OUSE—Derwent—(con.).									
D Ganton (Golf Club)	The Secretary	5	1	2	100	..	30·53	196	136
D Ganton (Ganton Hall)	H. Wrigley, Esq.	5	1	0	250	27·5	30·53	197	126
3.—HUMBER—Left Bank Tributaries. 675 sq. mi.									
D SPURN HEAD (Lighthouse)	Lightkeeper (M.O.)	8	1	0	29	22·7	29·20	175	123
D Patrington (Rose Cottage)	Miss S. A. Kirman, for M.O.	5	1	3	46	23·3	31·44	171	126
D Patrington Rectory	Rev. P. R. Frost	5	1	0	50	..	33·00	186	130
D Hesse Sandford)	C. S. Sherwood, Esq.	5	1	0	90	..	29·80	..	..
D HULL (Pearson Park)	The Gen. Superintendent	5	0	10	8	25·4	28·85	180	128
D Hull (Springhead)	T. H. Jones, Esq., C.E.	5	1	0	16	25·5	27·72	180	123
D Cottingham (Dunsell P.S.)	T. H. Jones, Esq., C.E.	5	1	0	6	..	27·13	184	129
D Holme-on-Spalding Moor	C. J. Pybus, Esq.	8	1	0	30	25·9	31·12	180	133
D Beverley (E. Riding Mental Hosp.)	Medical Superintendent	5	1	0	175	26·5	28·65	176	123
D Beverley (New Walk)	F. J. Affleck, Esq.	5	3	0	38	26·9	30·62	..	130
D Beverley (Gas Works)	The Engineer	5	1	0	21	..	28·57	176	127
D Beverley (Hull Bridge)	F. J. Affleck, Esq.	5	2	6	11	24·9	28·20	..	135
D Rise Park	R. Hollis, Esq.	8	1	0	65	..	29·45	..	125
D Market Weighton (Dalton Holme)	D. F. Cullen, Esq.	8	6	0	120	27·3	31·05	206	136
D Brandesburton Hall	The Matron	5	1	0	27	..	28·36	189	132
D Brandesburton (Herr pholm Lk.)	F. J. Affleck, Esq.	5	2	7	11	24·6	30·75	..	135
D Driffield (Council School)	The Headmaster	5	1	9	69	27·2	31·98	218	137
D Lowthorpe (The Elms)	F. K. Hawes, Esq.	5	1	0	63	26·5	29·24	201	131
4.—EAST COAST STREAMS. 171 sq. mi.									
D WITHERNSEA (Municipal Gdns.)	The Surveyor	5	1	0	31	..	29·27	174	120
D Bridlington (Corpn. Nurseries)	Parks Superintendent	5	1	0	60	25·6	34·19	225	142
D BRIDLINGTON (School)	The Headmaster	5	1	0	76	..	30·51	186	125
M Ganton (Willerby Wold)	Major W. F. Wormald	5	1	2	565	..	31·76	..	..
NORTH RIDING. (Area, 2,155 sq. mi.).									
1.—OUSE—Ure. 273 sq. mi.									
Masham Moor (Arnagill Beck, W.)	A. S. West, Esq., C.E.	5	1	0	1210	41·6	41·57	..	..
Masham Moor (Arnagill Beck, E.)	A. S. West, Esq., C.E.	5	1	0	1150	39·5	42·37	..	..
Masham Moor (Grey Ridge)	A. S. West, Esq., C.E.	5	1	0	1330	44·3	47·58	..	..
Masham Moor (Low Ash Head)	A. S. West, Esq., C.E.	5	1	0	845	40·7	42·04	..	..
Masham Moor (Agill Head)	A. S. West, Esq., C.E.	5	1	0	1380	43·4	46·78	..	..
D West Tanfield Rectory	Mr. H. H. Milman	5	1	0	150	28·7	31·44	184	133
D Masham Moor (Roundhill Res.)	A. S. West, Esq., C.E.	8	1	0	743	37·6	37·18	242	160
D Masham Moor (Somerside)	K. L. Forster, Esq., C.E.	5	0	9	928	38·8	40·76	228	175
w Masham Moor (High Sour Mire)	K. L. Forster, Esq., C.E.	5	0	9	884	..	35·03	..	..
Masham Moor (Leighton Res.)	K. L. Forster, Esq., C.E.	5	0	9	634	35·9	35·44	200	161
Masham Moor (Towler Hill)	K. L. Forster, Esq., C.E.	8	0	9	820	36·7	36·23	207	163
Masham Moor (Breary Bank)	K. L. Forster, Esq., C.E.	5	0	9	600	36·8	36·94	213	163
Masham Moor (Healey Pasture)	K. L. Forster, Esq., C.E.	5	0	9	620	36·1	35·64	211	163
Masham Moor (Low Houses)	K. L. Forster, Esq., C.E.	5	0	9	693	37·9	40·01	255	172
D Clifton Castle Gardens	The Hon. Lady Curzon-Howe	5	0	10	380	29·9	33·57	201	151
D West Burton (Flanders Hall)	G. T. Whitehead, Esq.	5	2	0	450	..	40·23	212	169
D Leyburn (Spennithorne)	F. M. Curtis, Esq., F.R.Met.S.	5	1	0	358	..	33·10	214	146
D Leyburn (Folton Hall)	The Head Gardener	5	1	0	420	32·6	33·87	192	149
Leyburn (Overdale)	A. Rowntree, Esq.	5	1	0	550	..	32·66	..	141
D Askrigg (Yorebrdge Gram. Sch.)	F. E. Chevins, Esq.	5	1	0	670	..	39·69	205	168
D Hawes Junction (Moorland Cottage)	W. Garnett, Esq.	5	1	6	1125	..	79·46	..	..
2.—OUSE—Swale. 569 sq. mi.									
D Dalton Parsonage	Rev. G. H. Chilman	5	1	0	79	23·0	27·53	183	116
D Coxwold (The Old Hall)	H. Geipel, Esq.	4	1	6	260	26·1	31·37	..	143
D Thirsk (Sowerby)	Mrs. M. Brown	5	1	0	110	24·7	30·28	178	127
D Thirsk (South Villa)	B. Foggitt, Esq.	5	1	0	115	24·7	30·99	177	122
M Felixkirk (Thirby)	A. J. Walker, Esq.	5	1	0	338	27·1	29·50	..	..
D Felixkirk (Mount St. John)	A. J. Walker, Esq.	5	1	0	540	..	30·43	198	141
D Felixkirk (Mount St. John) .No. 1	A. J. Walker, Esq.	5	1	0	540	26·5	30·43	199	142
D Bedale (Snape School)	The Headmaster	5	1	6	145	..	32·10	181	133

DIVISION IX—YORKSHIRE—(con.).

STATIONS	AUTHORITIES.	Diam.	Rain-gauge			Average Rain- fall.	1939.		
			Height of Rim above Ground.	Ground above Sea Level.	Age		Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
NORTH RIDING—(con.).			in.	ft. in.	ft.	in.	in.		
2.—OUSE—Swale—(con.).									
B Boltby (Ravensthorpe Manor)	F. E. Walker, Esq.	5	1 7	661	27·4	32·78	200	156	
M Boltby, East	A. J. Walker, Esq.	5	1 0	459	26·2	33·88	..	..
M Boltby (High Paradise)	A. J. Walker, Esq.	5	1 3	1144	32·8	38·72	..	..
B Bedale (The Hermitage)	C. Clarke, Esq., F.S.I.	5	0 10	465	26·3	29·69	175	131	
d Maunby Hall	Major A. Hill-Walker, V.C.	5	1 0	90	23·9	26·77	..	130	
B Scruton Hall	A. Coore, Esq.	5	1 6	100	23·8	25·30	180	121	
M Swaledale (Gunnerside Lodge)	Rt. Hon. Lord Rochdale	5	1 0	900	47·8	48·52	..	..
B Northallerton (Brompton)	J. P. Yeoman, Esq.	5	1 0	150	23·7	26·69	173	130	
Osmotherly (Oakdale W.W.)	Northallerton U.D.C.	5	1 0	600	..	31·04	..	..
B CATERICK (Aerodrome)	(+A) Meteorological Office	8	1 0	175	..	28·89	187	124	
d East Harlsey (Harlsey Hall)	Mrs. Constantine	5	1 0	370	..	27·87	..	..
d Richmond (C.E. School)	R. Hornby, Esq.	5	1 0	430	..	31·82	(160)	(120)	
B Reeth (Arkengarthdale)	Miss D. Lee	5	1 0	940	41·0	48·97	194	161	
w Middleton Tyas	Mrs. Baker-Baker	5	0 10	380	25·7	30·87	..	..
3.—OUSE—Left Bank Tributaries. 153 sq. mi.									
B YORK (MUSEUM)	Yorks. Phil. Soc. (Dr. W. L. Collinge)	5	1 0	57	24·3	25·43	185	118	
d Stockton-on-Forest (Stockton Hall)	Mrs. Lloyd	5	1 0	30	21·5	21·96	..	112	
Harby (Moorlands)	E. G. Tew, Esq.	6	1 6	59	24·1	(24·76)	..	..
4.—OUSE—Derwent. 509 sq. mi.									
B Welburn	R. Child, Esq.	5	1 0	200	26·1	29·44	217	136	
B Malton (Broughton Road)	C. C. Laverack, Esq.	5	1 0	161	25·5	26·01	177	134	
B Hovingham Hall	Capt. Sir W. A. Worsley, Bt.	5	0 9	119	29·0	27·80	181	135	
B AMPLFORTH College	Rev. J. B. Boyan, O.S.B.	5	1 0	313	..	29·50	196	127	
B Oswaldkirk (Leyesthorpe Hall)	Major G. B. Foster	5	1 0	231	..	26·53	187	125	
d Nunnington Hall Gdns.	The Head Gardener	5	1 0	110	..	25·62	..	121	
B Wykeham (Gallows Hill)	Capt. G. A. Maxwell	5	1 4	150	..	32·50	197	148	
B Helmsley (Boys' School)	E. W. Williams, Esq.	5	1 0	225	..	31·95	232	154	
B Seamer (Irton Pump Station)	H. V. Overfield, Esq., C.E.	5	1 0	94	28·7	31·91	208	146	
B Scarborough (Osgodby)	H. V. Overfield, Esq., C.E.	5	1 0	166	26·1	28·71	213	137	
B East Ayton (Derwent House)	A. H. Robinson, Esq.	5	1 4	110	27·0	32·22	194	143	
B Kirkby Moorside (Ravenswyke)	Capt. V. H. Holt, M.C., J.P.	5	1 0	270	27·2	31·44	177	150	
B Thornton Dale (High Dalby Ho.)	J. A. Coulson, Esq.	5	1 0	325	..	34·46	174	150	
Bransdale 5	Hull Water Works	5	1 0	652	..	43·22	..	..
Bransdale 6	Hull Water Works	5	1 0	1065	..	46·02?	..	..
Bransdale 7	Hull Water Works	5	1 0	1021	..	46·90	..	..
Bransdale 4A	Hull Water Works	5	1 0	800	..	42·97?	..	..
B Farndale (The Vicarage)	W. J. E. Binnie, Esq., M.A., C.E.	8	1 0	475	..	44·11	206	161	
Rosedale 16	Hull Water Works	5	1 0	587	..	50·04	..	..
Rosedale 19	Hull Water Works	5	1 0	599	..	50·57	..	..
Rosedale 17	Hull Water Works	5	1 0	974	..	50·06	..	..
Rosedale 17A	Hull Water Works	5	1 0	986	..	51·37	..	..
Bransdale 2	Hull Water Works	5	1 0	1260	..	46·67?	..	..
Bransdale 3	Hull Water Works	5	1 0	739	..	46·87	..	..
Bransdale 4	Hull Water Works	5	1 0	1172	..	45·34?	..	..
Bransdale 4B	Hull Water Works	5	1 0	1184	..	46·03?	..	..
Farndale 9	Hull Water Works	5	1 0	1015	..	44·43?	..	..
Farndale 10	Hull Water Works	5	1 0	574	..	49·95	..	..
Farndale 11	Hull Water Works	5	1 0	1037	..	47·73?	..	..
Farndale 13	Hull Water Works	5	1 0	1055	..	49·39	..	..
Rosedale 15	Hull Water Works	5	1 0	959	..	50·89	..	..
Rosedale 18	Hull Water Works	5	1 0	1337	..	49·67?	..	..
Rosedale 14A	Hull Water Works	5	1 0	1329	..	49·87	..	..
Bransdale 1	Hull Water Works	5	1 0	1345	..	49·25?	..	..
Farndale 8	Hull Water Works	5	1 0	1346	..	51·63	..	..
5.—ESK & C. 278 sq. mi.									
B SCARBOROUGH	Medical Officer of Health	5	1 1	118	25·8	27·99	188	138	
B Scarborough (Scalby)	Capt. Sir W. H. L. Wordsworth	5	1 0	210	..	33·03	203	151	
B Danby (Botton Hall)	W. E. F. Macmillan, Esq.	5	1 0	720	..	46·42	258	161	
B Egton Bridge (Bridgeholme)	Lt.-Col. R. Astley Smith	5	1 0	130	33·3	40·86	190	159	
B Glaisdale (The Gables Gardens)	Mr. G. Horton	5	0 9	400	35·6	45·13	201	161	
B Sleights (The Hall)	P. M. Horsfall, Esq.	5	1 0	220	30·7	35·43	189	147	

DIVISION IX—YORKSHIRE—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
			Rim above Ground.	Ground above Sea Level.	Rain-fall.			
NORTH RIDING—(con.).			in.	ft. in.	ft.	in.		
5.—ESK & C.—(con.).								
D CASTLETON	Miss M. H. Punch	5	1 0	450	..	39.64	199	160
D Danby Lodge	The Head Gardener	5	1 0	500	35.6	44.70	186	167
D Whitby (Park Hall, Aislaby)	Rev. J. H. Richardson	5	1 0	500	30.7	35.43	198	150
D WHITBY (Pannett Park)	The Park Superintendent	8	1 0	148	..	29.62	194	127
D Whitby (Westthorpe)	Rev. M. A. C. Horsfall	6	1 6	150	..	28.46	178	131
D Whitby (Mulgrave Castle)	The Head Gardener	5	1 0	410	29.1	34.45	204	151
D Guisborough (Lockwood Res.)	Cleveland Water Co.	8	1 0	632	33.0	36.15	218	158
D Guisborough (Waterworks)	Guisborough Water Co., Ltd.	5	1 0	600	..	32.23	..	..
D Saltburn (Skelton Castle)	Col. W. H. A. Wharton	5	0 9	272	28.1	30.82	193	150
D REDCAR	The Town Clerk	5	1 0	25	..	25.19	169	128
6.—TEES. 373 sq. mi.								
D Ingleby Manor	Lord DeL'Isle & Dudley	5	1 0	460	33.9	34.50	206	115
D Kildale Hall	Mrs. R. B. Turton	5	1 2	600	35.5	40.93	217	156
D Crathorne Hall Gardens	J. L. Dugdale, Esq.	5	1 3	185	25.0	26.39	182	131
D Barningham Park	Sir F. Millbank, Bart.	8	1 0	750	32.6	36.64	248	163
D Yarm (Wersall Hall)	Major H. K. D. Evans	5	1 0	60	..	24.73	171	128
D Nunthorpe (The Box)	G. D. Cochrane, Esq.	5	1 3	287	25.2	30.07	178	132
D Marton-in-Cleveland (Gartheen)	G. R. Collinson, Esq., C.E.	5	1 0	160	23.5	26.57	193	119
D Middlesbrough (Albert Park)	R. Sutcliffe, Esq.	5	1 0	30	23.7	24.96	172	117
M Baldersdale (Aygill)	G. R. Collinson, Esq., C.E.	5	1 0	1250	45.0	(47.50)	..	..
D Lartington Filters	G. R. Collinson, Esq., C.E.	5	1 0	725	30.2	35.93	217	154
M Baldersdale (Blackton Res.)	G. R. Collinson, Esq., C.E.	5	1 0	937	40.5	47.30	..	..
M Baldersdale (Balderhead)	G. R. Collinson, Esq., C.E.	5	1 0	1320	45.7	47.40	..	..
D Baldersdale (Hury R.) <i>old g site</i>	G. R. Collinson, Esq., C.E.	5	1 0	866	36.0	41.26	203	160
D Baldersdale (Hury R.) <i>new g site</i>	G. R. Collinson, Esq., C.E.	5	1 0	862	37.3	41.83	203	160
M Lunedale (Dow Crag)	G. R. Collinson, Esq., C.E.	5	1 0	1720	56.0	58.20	..	..
M Lunedale (Lunehead)	G. R. Collinson, Esq., C.E.	5	1 0	1450	55.6	59.60	..	..
M Lunedale (Selset)	G. R. Collinson, Esq., C.E.	5	1 0	924	40.8	44.90	..	..
D Lunedale (Grassholme Res.)	G. R. Collinson, Esq., C.E.	5	1 0	936	39.7	42.93	203	162
M Lunedale (Keekham)	G. R. Collinson, Esq., C.E.	5	1 0	1660	59.5	67.70	..	..
M Lunedale (Hargill)	G. R. Collinson, Esq., C.E.	5	1 0	1320	53.4	48.40	..	..

DIVISION X—NORTHERN COUNTIES.

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

1.—TEES & C. 396 sq. mi.

D Darlington (South Park)	T. J. Morrison, Esq.	5	1 0	150	27.1	29.20	206	135
D Darlington	(+A) The Borough Surveyor	5	1 0	161	..	28.17	189	129
D Darlington (Broken Scar)	G. R. Collinson, Esq., C.E.	5	1 0	158	26.2	28.43	190	131
D Darlington (Fighting Cocks Res.)	G. R. Collinson, Esq., C.E.	5	1 0	150	25.2	27.64	182	124
D Egglecliffe	Walter Jones, Esq.	8	1 2	100	24.0	27.05	..	121
D Whorlton Vicarage	Rev. C. C. Lambert	5	1 0	400	25.7	31.40	185	132
D Barnard Castle (Bowes Museum)	S. E. Harrison, Esq.	6	1 0	500	30.4	35.52	217	150
D Barnard Castle (County School)	The Bursar	5	1 5	540	29.1	34.43	212	144
D Long Newton Reservoir	G. R. Collinson, Esq., C.E.	5	1 0	184	25.5	26.78	190	133
D Stockton-on-Tees (Hartburn)	Col. H. E. Kitching	5	1 0	80	24.4	28.51	186	140
D Stockton-on-Tees (Billingham) (+A)	I.C.I. (Fert. & Syn. Prod.) Ltd.	5	1 6	35	23.3	(24.68)	(171)	(118)
D Staindrop (Raby Castle)	Lord Barnard	5	1 0	450	27.6	34.84	199	147
D Stillington Park	Messrs. Dorman, Long & Co., Ltd.	5	1 0	140	27.1	28.92	..	113
D Eggleston (Wood Hill)	F. A. Smith, Esq.	5	1 0	1000	..	37.85	192	158
D Middleton-in-Teesdale School	The Headmaster	5	1 0	740	35.9	48.61	..	..
D Middleton-in-Teesdale (Newbiggin)	R. Coggins, Esq.	5	1 0	900	40.8	49.05	211	163
D Hurworth Burn (Crookfoot Res.)	J. R. Bradshaw, Esq.	10	1 6	293	25.4	25.83	209	124
D West Hartlepool (Waterworks)	J. R. Bradshaw, Esq.	10	1 0	35	24.7	23.17	199	121
D Hurworth Burn Reservoir	J. R. Bradshaw, Esq.	10	1 0	357	26.5	27.83	224	129
D Hartlepool (Hart Reservoir)	J. R. Bradshaw, Esq.	10	1 0	172	..	21.95	..	117
D Shotton (New Winning P.S.)	A. B. E. Blackburn, Esq., C.E.	8	1 0	402	29.4	31.44	205	139
D Easington (Mill Hill Res.)	A. B. E. Blackburn, Esq., C.E.	8	1 0	521	..	28.50	198	132
D Seaham (Dalton Pumping Sta.)	A. B. E. Blackburn, Esq., C.E.	8	1 0	345	27.0	27.05	198	139

DIVISION X—NORTHERN COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average	Rain-fall.	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
			Rim above Ground.	Ground above Sea Level.					
DURHAM—(con.).			in.	ft. in.	ft.	in.	in.		
2.—WEAR. 464 sq. mi.									
Wolsingham (Shull)	Mrs. W. A. Mounsey	5	1	0	600	..	38·77	201	146
Spennymoor (T.St.Charles'School)	C. K. Hanratty, Esq.	5	1	0	344	..	32·20	172	127
Stanhope (Parson Byers Qy.)	Messrs. Dorman, Long & Co., Ltd.	5	1	0	860	31·7	41·93	..	..
Burnhope (Grass Meres)	J. A. Rodwell, Esq., C.E.	5	1	3	1850	59·1	60·80	..	..
Burnhope (Lodgegill Mine)	J. A. Rodwell, Esq., C.E.	5	1	3	1950	61·4	65·20	..	..
Burnhope Bridge	J. A. Rodwell, Esq., C.E.	8	1	0	1160	..	55·65	239	182
Corvhill (Wellheads Hush)	J. A. Rodwell, Esq., C.E.	5	1	6	1690	52·7	58·75	..	..
Durham (HOUGHALL Hort. Sta.)	Director of Agriculture	5	1	0	160	27·9	34·23	180	133
DURHAM	(+A) Univ. Obsy. (F. Sargent)	8	1	0	336	24·6	31·47	197	136
Weardale W.W. (Tunstall Res.)	J. A. Rodwell, Esq., C.E.	8	1	2	724	32·4	41·27	221	175
USHAU COLLEGE	The Principal	5	1	0	594	28·2	31·33	181	128
Weardale W.W. (Waskerley 6)	J. A. Rodwell, Esq., C.E.	8	1	0	1229	..	39·66	..	..
Weardale W.W. (Waskerley 3)	J. A. Rodwell, Esq., C.E.	8	1	0	1433	..	40·96	..	..
Weardale W.W. (Waskerley)	J. A. Rodwell, Esq., C.E.	8	1	0	1179	33·1	38·59	235	170
Weardale W.W. (Waskerley 1)	J. A. Rodwell, Esq., C.E.	8	1	0	1317	..	43·82	..	..
Consett (Crookhall)	Mrs. J. Shackleton	5	1	0	642	..	35·85	196	142
Ryhope Pumping Station	A. B. E. Blackburn, Esq., C.E.	8	1	1	228	25·4	24·33	184	125
Pelton Council School	The Headmaster	5	1	0	240	..	31·70	214	151
Washington (Glebe Sen. School)	A. Robson, Esq.	5	1	2	160	..	31·30	..	..
Sunderland (W.Hendon H.) No. 5	Mrs. W. A. Mounsey	5	1	0	130	25·6	26·01	195	130
3.—TYNE, LOWER. 151 sq. mi.									
Weardale W.W. (Hisehope Res.)	J. A. Rodwell, Esq., C.E.	5	1	0	1450	..	43·77	220	169
Weardale W.W. (Smiddy Shaw)	J. A. Rodwell, Esq., C.E.	8	1	3	1128	34·1	44·31	231	180
Hunstanworth (School House)	A. P. Clegg, Esq.	5	1	0	1200	..	42·33	244	168
Consett Park Farm	T. Hutton, Esq., C.E.	8	1	0	630	..	34·27	217	165
Rowlands Gill (CHOPWELLWOOD)	Forestry Commission	8	1	0	446	28·7	31·74	200	145
Sunderland (Cleadow Pump. Stn.)	A. B. E. Blackburn, Esq., C.E.	8	1	0	216	24·4	23·62	189	109
South Shields (Bent's Park)	Dr. W. Campbell Lyons	5	1	0	36	24·2	27·44	212	137
South Shields (South Pier Wks.)	R. F. Hindmarsh, Esq., C.E.	5	1	0	17	..	24·59	191	119
NORTHUMBERLAND. (Area, 2,015 sq. mi.).									
1.—EDEN. 20 sq. mi.									
2.—SOUTH TYNE. 232 sq. mi.									
Haydon Bridge (Shaftoe Trust Sch.)	The Headmaster	5	0	8	240	..	32·20	207	146
3.—TYNE, LOWER. 227 sq. mi.									
Corbridge (Howden Dene)	T. D. Straker-Smith, Esq.	5	1	0	200	27·3	29·66	195	135
Newcastle (Leazes Park)	W. J. Steele, Esq., C.E.	5	1	0	255	26·4	27·61	182	131
Newcastle (King's College)	University of Durham	5	1	0	183	..	29·20	190	132
Newcastle (Deaf & Dumb Inst.)	The Secretary	5	1	0	201	24·7	27·11	194	129
Hexham Reservoir	Hexham U.D.C.	5	1	0	335	..	29·79	192	138
Hexham (Widehaugh Nursery)	Forestry Commission	5	0	11	120	..	28·97	..	120
Wallsend (Carville School)	E. L. Strong, Esq.	5	1	3	100	..	(26·23)	(188)	(130)
Tynemouth (Tyne Pier Works)	R. F. Hindmarsh, Esq., C.E.	5	1	0	54	25·1	24·80	175	119
TYNEMOUTH (C.G. Sta.)	Station Officer (M.O.)	8	1	0	108	24·5	27·91	194	123
Whittle Dene Filters	Newcastle & Gatesh'd W. Co.	5	1	1	353	26·6	31·75	224	144
Whittle Dene Res.	Newcastle & Gatesh'd W. Co.	5	0	6	380	25·3	30·69	212	148
4.—NORTH TYNE. 433 sq. mi.									
Ryal Cottage	Newcastle & Gatesh'd W. Co. 10	0	9	463	29·1	32·10	..	..	..
Hallington Vill.	Newcastle & Gatesh'd W. Co.	5	1	0	467	29·9	33·06	..	..
Hallington Res.	Newcastle & Gatesh'd W. Co.	5	1	0	470	29·3	31·25	204	150
Hallington (Fawcett)	Newcastle & Gatesh'd W. Co.	5	1	2	537	28·2	33·40	..	..
Hallington (Cheviott)	Newcastle & Gatesh'd W. Co.	5	1	2	577	27·8	32·59	..	..
Camphill	Newcastle & Gatesh'd W. Co.	5	1	0	650	29·4	34·57	..	..
Colt Crag Res.	Newcastle & Gatesh'd W. Co.	5	1	0	654	29·3	32·96	206	143
Green Crag	Newcastle & Gatesh'd W. Co.	5	1	0	900	30·4	35·73	..	..
BELLINGHAM (Highgreen)	Sir C. Morrison-Bell, Bt.	5	1	0	849	35·4	36·03	217	156
Falstone (Kielder)	Forestry Commission	5	1	6	657	..	51·24	208	175

DIVISION X—NORTHERN COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain- fall.	1939.				
			Height of Rim above Ground.	Ground above Sea Level.	in.		in.	Days with ·01 in. or more.	Days with ·04 in. or more.		
NORTHUMBERLAND—(con.).			in.	ft.	in.	ft.	in.	in.			
4.—NORTH TYNE—(con.).											
M Redewater (Countess Crag)	Newcastle & Gatesh'd W. Co.	5	1	0	1600	..	54·39	..	..
Redewater (Chattlehope)	Newcastle & Gatesh'd W. Co.	5	1	0	900	..	47·07	..	..
D Redewater (Catcleugh)	Newcastle & Gatesh'd W. Co.	5	1	0	819	40·2	50·50	250	180		
Redewater (Whitelee)	Newcastle & Gatesh'd W. Co.	5	1	0	1000	..	46·18	..	..
5.—COQUET & C. 840 sq. mi.											
M Whittington	Newcastle & Gatesh'd W. Co.	8	0	9	528	28·1	30·14	..	..
M Burnside	Newcastle & Gatesh'd W. Co.	5	0	9	419	27·2	30·22	..	..
D Kirkwhelpington	J. Wardle, Esq.	5	1	3	581	..	36·95	211	138		
D Ashington (Bothal School)	J. Gray, Esq.	5	8	0	110	25·3	24·07	184	119		
D Morpeth (COCKLE PARK)	Northumberland Co. Council	8	1	0	325	29·3	28·27	209	140		
D Font Res. (Tynemouth W.W.)	J. W. McKerrrow, Esq.	10	1	2	620	31·1	33·66	231	169		
d Acklington (Broomhill Colliery)	A. M. Morison, Esq.	5	1	4	92	24·9	24·48	..	125		
D Rothbury (Well Close)	Miss J. L. Livingston	5	1	0	350	..	35·20	213	171		
d Amble	Amble U.D.C.	5	1	0	12	..	(24·00)	(182)	(122)		
d Callaly Castle Gardens	E. J. Farmer, Esq.	5	1	0	300	..	33·38	..	142		
D Howick Hall Gardens	The Rt. Hon. Earl Grey	8	1	0	110	28·2	26·50	212	140		
D Stamford	W. Robertson, Esq.	5	1	0	175	..	25·22	199	124		
D Doxford Hall	Rt. Hon. Walter Runciman, P.C.	5	1	0	150	..	27·05	203	127		
D Chathill (Preston Tower)	G. G. Baker Cresswell, Esq.	8	1	0	140	28·3	26·12	207	136		
D Belford (Newlands)	C. H. Sanderson, Esq.	5	4	8	160	..	23·36	205	132		
6.—TWEED. 262 sq. mi.											
Branton School	The Headmaster	5	1	0	..	..	29·59	..	..
d Wooperton	Mrs. Burdon	6	1	6	..	30·0	(24·00)	(174)	(144)		
D Ilderton (Lilburn Tower Gdns.)	Mr. W. Lovett	5	1	0	250	30·4	30·36	221	145		
D Mindrum (Thornington House)	Leonard Briggs, Esq.	5	..	..	..	28·6	29·45	..	..
D BERWICK-ON-TWEED (Ramparts)	Borough Surveyor	5	1	0	76	23·4	19·10	175	111		
7.—INSULAR. 1 sq. mi.											
CUMBERLAND. (Area, 1,516 sq. mi.).											
1.—EDEN & SOLWAY. 887 sq. mi.											
D Matterdale Council Sch.	The Headmaster	5	1	2	1000	..	63·81	185	156		
D Penrith (Hutton John)	F. Hudleston, Esq., C.E.	5	1	0	688	45·1	46·45	213	156		
d Threlkeld (Skiddaw House)	W. Brown, Esq.	5	1	6	1480	..	80·90	..	..
D Penrith (Castle Park)	The Engineer & Surveyor	5	1	0	490	..	31·35	180	138		
D Penrith (Arthur Street)†	A. B. Sinclair, Esq.	5	1	0	500	36·4	31·29	201	140		
D Penrith (NEWTON RIGG)	Cumberland County Council	5	1	0	560	36·4	33·05	198	148		
D Uldale (Chapel House Res.)	J. R. Watters, Esq.	8	1	0	620	46·2	44·16	223	167		
D Penrith (Nunwick Hall)	Lt.-Col. C. H. F. Thompson	5	2	0	258	31·8	30·73	185	146		
D Troutbeck (Wellbank)	Miss R. A. S. Streatfield	5	1	0	800	..	68·67	210	171		
D Caldbeck (Friar Row)	Dr. Mabel Barker	5	1	0	520	..	43·40	207	159		
M Allonby	W. H. Williamson, Esq., J.P.	5	1	0	25	..	27·95	..	..
D Wigton (Brookfield)	David W. Reed, Esq., B.Sc.	5	1	0	124	36·7	33·07	172	140		
D Wreay Vicarage	Rev. Canon A. R. Hall	5	1	0	310	31·5	28·96	222	150		
D Carlisle (Blackwell)	H. Shepherd, Esq.	5	1	0	159	..	26·24	..	..
D Silloth	Wigton R.D.C.	5	1	0	27	..	32·13	165	129		
D Geltsdale	P. Dalton, Esq., C.E.	5	1	2	778	36·8	34·71	227	168		
D Carlisle (Spital Cemetery)	The Superintendent	8	1	0	114	31·8	28·84	200	135		
D Carlisle (Denton Holme)	W. Eggleston, Esq., J.P.	5	1	0	57	30·1	28·93	..	..
D Carlisle (Rose Hill)	H. Lonsdale, Esq.	8	1	0	105	..	31·72	191	148		
D Carlisle (Scaleby Hall)	Lady Allison	5	1	0	111	33·7	33·90	193	151		
D Bewcastle (Ashcroft)	Border R.D.C.	5	1	0	750	..	51·95	200	174		
d Kershopefoot (Kershope Ho.)	Capt. J. M. Gatheral	5	2	2	400	..	48·12	..	152		

† Station formerly called Penrith (Laurel Bank).

DIVISION X—NORTHERN COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain-fall.	1939.			
			Rim above Ground.	Height of Ground above Sea Level.	in.		Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.	
CUMBERLAND—(con.).			in.	ft.	in.	ft.	in.	in.		
2.—DERWENT. 257 sq. mi.										
■ Sprinkling Tarn	F. Bainbridge, Esq., for M.O.	5	1	6	1985	..	149.05	..	..
■ Styehad Tarn	F. Bainbridge, Esq., for M.O.	5	1	0	1472	..	143.75	..	..
■ Styehad B.	F. Bainbridge, Esq., for M.O.	5	1	6	1070	..	148.00	..	..
■ Styehad A.	F. Bainbridge, Esq., for M.O.	5	1	0	1100	..	141.25	..	..
■ Borrowdale (Stockley Bridge)	F. Bainbridge, Esq., for M.O.	5	1	0	585	..	133.90	..	..
■ Borrowdale (Seathwaite) garden	F. Bainbridge, Esq., for M.O.	5	1	6	423	122.0	126.00	..	..
■ Borrowdale (S'thw'te) gdn. new g.	F. Bainbridge, Esq., for M.O.	5	1	0	423	..	121.50	..	..
■ Helvellyn (Hill Top Gill)	Manchester Corp'n. W.W.	5	1	0	1050	..	99.25	..	..
■ Ullscarf	Manchester Corp'n. W.W.	5	1	0	2100	119.8	114.25	..	..
■ Helvellyn (Birkside)	Manchester Corp'n. W.W.	5	1	0	1900	..	97.86	..	..
■ Wythburn	Manchester Corp'n. W.W.	5	1	0	610	96.8	102.28	..	..
■ Helvellyn (Brown Rigg)	Manchester Corp'n. W.W.	5	1	0	1450	..	119.11	..	..
■ Borrowdale (The Moraine)	W. Bonstead, Esq.	5	1	0	330	97.5	111.10	197	175	
■ Helvellyn (Brown Cove)	Manchester Corp'n. W.W.	5	1	0	2250	..	99.78	..	..
■ Watendlath Farm	W. Tyson, Esq., for M.O.	5	1	0	800	..	97.92	186	163	
■ Arncliffe Fells (The Pewitts)	Manchester Corp'n. W.W.	5	1	0	1650	..	109.19	..	..
■ Helvellyn (Whiteside)	Manchester Corp'n. W.W.	5	1	0	2100	..	92.84	..	..
■ Thirlmere (Dale Head Hall)	Manchester Corp'n. W.W.	5	1	0	620	86.7	88.24	245	183	
■ Grange-in-Borrowdale (Bield)	J. E. Bowes, Esq.	5	1	0	300	..	91.16	206	173	
■ Cockermouth (Loweswater)	Miss S. H. Frith	5	1	0	353	..	59.52	194	159	
■ Keswick (Lingholm Gardens)	J. Elson, Esq.	5	1	0	300	65.7	69.09	201	165	
■ Keswick (Derwent Island) new g.	Denis Marshall, Esq.	5	1	0	290	57.0	60.45	228	165	
■ Keswick (High Hill)	Clerk to the U.D.C.	5	1	0	254	54.9	59.26	183	159	
■ Blathwaite (Spring Bank)	J. Smith Hill, Esq.	8	1	0	280	..	64.57	198	167	
■ High Lorton (The Bungalow)	Mrs. C. Wigham	5	1	0	300	..	44.31	..	..
■ Keswick (Mirehouse)	Miss Spedding	5	1	6	280	49.8	52.50	210	157	
■ Workington (Stainburn Res.)	The Borough Surveyor	5	1	0	180	36.9	39.08	178	145	
■ Threlkeld (Blencathra Sanat.)	Medical Superintendent	5	1	0	885	61.5	64.45	189	172	
■ Bassenthwaite (Higham)	G. F. Fisher, Esq.	5	0	9	500	44.9	42.91	197	157	
3.—WEST COAST STREAMS. 235 sq. mi.										
■ Ravenglass (The Grove)	Walter Marchant, Esq.	5	1	0	70	42.5	37.03	179	134	
■ Gosforth (Netherwasdale)	T. Sewell, Esq.	5	1	0	180	..	54.55	183	164	
■ Braystones	H. H. Watson, Esq.	5	1	0	36	37.5	36.39	179	138	
■ West Water (Wasdale Head)	H. H. Watson, Esq.	5	1	0	280	..	107.15	..	..
■ St. Bees (Fern Bank)	Lt.-Col. G. Dixon	5	1	0	60	42.7	36.23	199	129	
■ Ennerdale (Gillerthwaite)	H. H. Watson, Esq.	5	1	0	445	..	84.02	..	..
■ Whitehaven (Stanley Pond) The Cum'd Coal Co. (Whiteh'n) Ltd.	..	5	2	0	45	47.5	(35.69)	(167)	(135)	
■ Whitehaven (Scragill Reservoir)	A. Wilson, Esq., C.E.	8	1	0	188	43.5	39.79	183	137	
■ Workington (Winscales House)	Miss E. W. Trench	5	1	0	440	37.2	35.87	150	136	
4.—DUDDON & C. 50 sq. mi.										
■ Ulpha	Claude Diamond, Esq.	5	1	0	251	..	77.49	218	175	
5.—SOUTH TYNE. 87 sq. mi.										
■ Alston Vicarage	Rev. N. A. Walton	5	1	0	940	44.7	46.40	222	158	
WESTMORLAND. (Area, 783 sq. mi.)										
1.—EDEN. 373 sq. mi.										
■ Kirkby Stephen (Eden Place)	Mrs. Paul Mason	5	1	0	544	42.3	39.96	194	149	
■ Wasdale Pike	Manchester Corp'n. W.W.	5	1	0	1825	79.4	92.10	..	..
■ Mosedale (Mosedale Cottage)	Manchester Corp'n. W.W.	5	1	0	1443	87.8	99.45	..	..
■ Mosedale (Artle Crag)	Manchester Corp'n. W.W.	5	1	0	2134	..	112.77	..	..
■ Wet Sleddale (Mirethwaite)	Manchester Corp'n. W.W.	5	1	0	995	64.7	73.92	220	179	
■ Blea Water B.	Manchester Corp'n. W.W.	5	1	0	1420	..	128.60	..	..
■ Sleddale (High Wether Howe)	Manchester Corp'n. W.W.	5	1	0	1620	..	91.85	..	..
■ Mardale (Riggindale)	Manchester Corp'n. W.W.	5	1	0	892	..	119.55	..	..
■ Shap (Birkbeck Fell)	Manchester Corp'n. W.W.	5	1	0	935	56.0	59.80	..	..
■ Swindale Parsonage	Manchester Corp'n. W.W.	5	1	0	875	..	79.93	..	..
■ Mardale (Whelter)	Manchester Corp'n. W.W.	5	1	0	908	..	94.22	..	..
■ Mardale (Low Raise)	Manchester Corp'n. W.W.	5	1	0	2465	..	79.18	..	..
■ Shap (Thornship Gill)	Manchester Corp'n. W.W.	5	1	0	844	51.4	63.25	..	..
■ Mardale (Guerness)	Manchester Corp'n. W.W.	5	1	0	905	..	88.88	..	..
■ Shap (Tailbert Head)	Manchester Corp'n. W.W.	5	1	0	1100	55.6	61.06	..	..

§ Turf wall round gauge.

DIVISION X.—NORTHERN COUNTIES—(con.).

		Rain-gauge				1939.		
STATIONS.	AUTHORITIES.	Diam.	Height of		Average	Rain-fall.	Days with	Days with
			Rim	Ground	Rain-fall.		·01 in. or more.	·04 in. or more.
			above Ground.	above Sea Level.				
WESTMORLAND—(con.).		in.	ft. in.	ft.	in.	in.		
1.—EDEN—(con.).								
m Hawes Water (Wallow Crag)	Manchester Corpn. W.W.	5	1 0	1250	..	82·32	..	..
m Hawes Water (Naddle House)	Manchester Corpn. W.W.	5	1 0	825	60·5	63·77	..	..
Hawes Water (Measand)	Manchester Corpn. W.W.	5	1 0	824	69·6	66·04	..	..
Measand Beck (Keasgill)	Manchester Corpn. W.W.	5	1 0	1800	..	88·45	..	..
m Hawes Water (Burn Banks)	Manchester Corpn. W.W.	5	1 0	835	..	71·82	211	169
d Patterdale Hall	F. C. Scott, Esq.	5	1 3	490	86·4	90·55	206	176
§ Bampton (Atkinson's Grain)	Manchester Corpn. W.W.	5	1 0	2175	..	91·72	..	..
d Patterdale (Greenside Mine)	Basinghall Mining Synd.Ltd. 5	0 9	1081	91·9	..	95·71	223	180
m Bampton (Sealhole Grain) B	Manchester Corpn. W.W.	5	1 0	1750	..	84·67	..	..
Bampton (Walmhow)	Manchester Corpn. W.W.	5	1 0	615	46·5	60·38	210	169
Bampton (Stanegarth)	Manchester Corpn. W.W.	5	1 0	913	59·5	63·31	..	..
m Cawdale Beck (Howe Grain)	Manchester Corpn. W.W.	5	1 0	1642	..	80·29	..	..
§ Heltondale (Kidmoor)	Manchester Corpn. W.W.	5	1 0	1025	..	58·98	..	..
d APPLEBY (Castle Bank)	Lady Holmes	5	1 0	440	35·0	33·48	180	143
d Morland	F. R. Markham, Esq.	5	1 0	455	35·6	33·22	167	136
d Penrith (Lowther Castle)	Mr. J. Jeffrey	5	1 0	705	41·8	39·26	179	144
d Penrith (Barton House)	Mrs. Legh Tolson	5	1 0	500	42·4	40·86	190	144
d Temple Sowerby (The Grange)	L. F. Phillips, Esq.	5	1 1	370	30·7	28·41	179	124
d Temple Sowerby (Milburn)	Rev. W. Baker	5	0 11	600	..	29·06	184	132
2.—LEVEN. 60 sq. mi.								
d Windermere (Nurseries)	The Lakeland Nurseries, Ltd. 5	0 10	350	..	..	65·57	188	160
d Windermere (St. Rule)	Miss E. M. Bullock	5	1 0	350	..	60·62	182	154
d Windermere (Hammar Bank)	Mrs. H. Coutts	5	1 0	200	61·4	62·92	197	171
d Windermere (Holebird)	H. L. Groves, Esq.	5	1 0	483	68·0	67·59	237	178
d Windermere (Brockhole)	W. Gaddum, Esq.	5	1 6	175	66·3	66·07	200	171
d Ambleside (Wansfell)	Miss Wrigley	8	1 0	150	71·9	72·27	199	165
m Little Langdale (Fell Foot)	Miss C. Marshall	5	2 2	380	108·2	106·17	..	..
d Ambleside (White Craggs)	C. H. Hough, Esq.	5	2 4	252	72·1	73·78	186	170
d AMBLESIDE, The Lakes (U.D.C.)	The Clerk to the Council	5	1 0	145	..	71·21	186	166
d Ambleside (Market Square)	G. A. Johnston, Esq., M.D.	5	1 0	180	75·1	77·61	214	160
d Ambleside (Loughrigg Brow)	Mrs. F. E. Creyke	5	0 8	250	..	78·40	203	175
d Rydal (The Stepping Stones)	Mrs. D. Dickson	5	1 3	190	80·6	85·02	192	177
d Rydal (High Close)	F. E. T. Jones Balme, Esq.	8	0 9	553	83·3	87·12	194	173
d Rydal (The Hall)	R. E. Porter, Esq.	5	1 0	354	82·1	87·44	224	179
d Grasmere (Huntingstile)	H. Pownall, Esq.	5	1 0	335	..	94·20	203	176
Mickleden	Miss C. Marshall	5	1 6	490	130·8	(121·28)	..	..
d Grasmere (The Wray)	Miss G. M. Simpson	5	1 0	221	88·5	94·65	212	180
d Middlefell Farm	Miss C. Marshall . . . . .	..	..	..	..	(116·19)	(203)	(184)
3.—KENT. 188 sq. mi.								
d Burton (Under Fell)	J. B. Hoyle, Esq.	5	0 9	225	42·3	33·98	191	133
d Heversham (Plumtree Hall)	Miss M. C. Watson	5	1 0	115	45·7	38·14	195	152
d Levens (Beathwaite)	Robert Bush, Esq.	5	1 0	105	46·8	44·72	209	156
d Killington Reservoir	L. M. & S. Rly. Co.	5	1 0	670	..	47·99	187	147
d Kendal (Crosthwaite, Low Fell)	Norman F. Wilson, Esq.	5	0 8	200	..	55·44	183	157
d Kendal Gasworks	Kendal Gas & Water Co.	5	1 3	140	..	43·76	168	140
d Kendal (Fisher Tarn Res.)	Kendal Gas & Water Co.	5	1 0	742	..	49·06	200	156
d Kendal (Ellergreen)	J. W. Cropper, Esq.	5	1 0	270	58·2	52·74	194	154
d Kendal (Kent Lea)	R. J. Cragghill, Esq.	5	1 0	165	..	50·51	191	160
d Kendal (Potter Fell)	J. Cropper & Co., Ltd.	5	2 0	750	70·6	77·46	173	140
Troutbeck (Dubbs Reservoir)	J. N. Leckie, Esq.	5	1 3	745	..	65·44	..	..
d Kentmere Head Reservoir	Kendal Res. Commissioners	5	1 6	920	..	103·13	195	184
4.—LUNE. 122 sq. mi.								
d Kirkby Lonsdale (Stoop Lane)	Mrs. H. E. Hollins	5	2 0	205	..	42·72	197	143
d Barbon Manor	The late Lord Shuttleworth	5	1 3	650	46·7	40·58	..	162
Ravenstonedale (Railway Station)	Vernon P. Royle, Esq.	5	1 0	800	..	50·18	..	..
5.—TEES. 40 sq. mi.								
m Lunedale (Conny Pot)	G. R. Collinson, Esq., C.E.	5	1 0	1840	53·7	53·80	..	..
w Upper Teesdale (Moor House)	G. Manley, Esq.	5	1 0	1850	..	73·58	..	..

§ Turf wall round gauge.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS.

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Average Rain-fall.	1939.		
			Height of			Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
			Rim above Ground.	Sea Level.				
MONMOUTH. (Area, 534 sq. mi.).						in.		
1.—RHYMNEY. 39 sq. mi.								
d Rumney (Witla Court)	Mrs. Edwards	5	1	0	175	39.4	39.37	..
d Machen (Machen Quarry)	Machen Quarries, Ltd.	5	1	1	250	..	53.80	188 159
2.—EBBW. 88 sq. mi.								
d Rogerstone (Newport Golf Links)	Col. Blethyn T. Rees, C.E.	5	0	8	304	..	48.96	187 147
d Blackwood	D. H. Price, Esq.	5	0	10	630	..	59.74	204 157
d Abertillery (The Park)	S. E. Thomas, Esq.	5	1	0	700	57.2	64.97	206 165
d Tredegar Laboratory	Tredegar Iron & Coal Co. Ltd.	5	2	0	950	59.8	66.09	207 169
d Ebbw Vale (Iron Works)	Ebbw Vale Steel & Iron Co. Ltd..	8	1	0	902	56.6	63.44	191 147
d Ebbw Vale (Church St.)	R. W. Cooper, Esq.	5	3	0	980	..	64.17	219 175
3.—USK & C. 290 sq. mi.								
d Redwick	Col. Blethyn T. Rees, C.E.	5	1	0	24	..	34.87	183 128
d Portskewett (Sudbrook)	S. W. Moore, Esq., C.E.	8	1	0	51	..	30.92	170 128
d Newport (Stow Park)	J. Francis Jupp, Esq., C.E.	5	2	0	200	..	43.21	186 151
d Newport (Hospital)	Medical Officer of Health	8	1	0	265	..	44.92	187 146
d Newport W.W. (Friar St. Yard)	Newport Corporation	5	6	0	32	..	41.70	175 138
d Newport W.W. (Ynis-y-fro Res.)	Newport Corporation	5	1	0	130	..	44.60	199 145
d Caerleon (The Croft)	Col. Blethyn T. Rees, C.E.	5	1	0	51	..	41.60	207 140
d Newport W.W. (Pant-y-reos Res.)	Newport Corporation	5	1	0	485	..	57.13	200 154
d Newport W.W. (Llanvaches)	Newport Corporation	5	0	10	456	..	41.30	180 145
d Newport W.W. (Nantpridd)	Newport Corporation	5	1	0	500	..	42.74	180 149
d Chepstow (Itton Court)	Lady Curre	5	1	0	390	..	45.23	191 146
d Newport W.W. (Newchurch)	Newport Corporation	5	1	0	550	..	45.18	180 151
d Usk	Monmouth Agric. Instn.	5	1	0	70	..	38.25	.. 133
d Abersychan (Glansychan)	Mr. H. Davey	5	1	2	699	55.0	61.08	229 161
d Goytre (Goytre Hall)	Mrs. Lionel Whitehead, O.B.E.	5	1	0	300	46.1	49.29	178 145
d Blaenavon (Estate Office)	E. J. John, Esq.	8	1	0	1144	55.1	64.54	199 162
d Abergavenny (Penpergwm)	Leslie R. Pym, Esq.	5	1	0	186	..	50.10	.. ..
d Abergavenny (Plas Derwen)	Alan Whitehead, Esq.	5	1	3	200	..	47.63	208 149
d Abergavenny (Ty Clyd)	F. D. Llewelyn, Esq.	5	1	0	272	45.1	49.91	181 140
d Abergavenny (Richmond Road)	W. H. Edmunds, Esq.	8	1	0	256	40.6	45.44	177 135
d Abergavenny (Larchfield)	Dr. N. R. Phillips	5	1	0	240	37.5	42.68	175 130
d Abergavenny (The Chain)	Miss Baker-Gabb	5	1	0	310	..	45.84	194 139
d Grwyne Fawr (Coed Dias)	Miss Baker-Gabb	5	1	0	900	..	53.13	216 178
4.—WYE. 117 sq. mi.								
d Monmouth (Cornwall House)	P. G. Harvey, Esq., M.D.	5	0	11	55	..	30.64	168 129
d Trewyn	Mrs. C. C. Molyneux	5	0	10	500	..	45.06	200 146
d Grosmont	Miss D. K. Estcourt	5	1	0	420	..	38.50	195 147
GLAMORGAN. (Area, 808 sq. mi.).								
1.—LOUGHOR. 55 sq. mi.								
d Felindre (Blaenant Ddu)	J. Hassall, Esq., C.E.	5	1	3	346	..	59.47	206 162
d Felindre (Lower Lliw Res.)	J. Hassall, Esq., C.E.	8	1	3	426	..	54.76	201 156
d Felindre (Upper Lliw Res.)	(+A) J. Hassall, Esq., C.E.	8	1	3	599	..	64.75	201 169
2.—GOWER PENINSULA. 62 sq. mi.								
d Gower (Penrice Castle)	W. E. Harrison, Esq.	5	2	2	20	..	51.55	201 156
d Penmaen (Cefn Mor)	Mrs. R. A. Bostock	5	1	6	300	41.5	49.99	178 161
d Clyne Castle	Adml. A. Walker-Heneage-Vivian	5	1	0	50	..	49.65	193 146
3.—TAWSE. 47 sq. mi.								
d SWANSEA (Victoria Park)	(+A) The Town Clerk	8	1	0	32	..	48.19	192 151
d Clydach (Wernfadog)	W. J. P. Player, Esq.	8	1	6	400	..	61.09	214 168
d Clydach	The Mond Nickel Co.	8	1	4	78	..	56.51	192 155
d Pontardawe	The Clerk to the R.D.C.	5	0	8	350	..	60.99	.. 175
d Ystalyfera (Wern House)	Miss L. Williams	5	1	6	240	64.8	75.46	192 167
4.—NEATH. 82 sq. mi.								
d Briton Ferry (Brynsiriol)	H. A. Clarke, Esq., C.E.	5	1	0	33	..	52.00	193 157
d Briton Ferry (Cefn Court)	H. A. Clarke, Esq., C.E.	5	1	0	503	47.7	53.14	201 165
d Neath (Oil Refineries)	National Oil Refineries, Ltd..	5	1	0	145	..	53.69	197 151
d Neath (Cimla Reservoir)	H. A. Clarke, Esq., C.E.	5	1	0	360	..	55.89	192 161

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with	Days with
			Rim	Ground	Rain-fall.		·01 in. or more.	·04 in. or more.
			above Ground.	above Sea Level.				
GLAMORGAN—(con.).			in.	ft. in.	ft.	in.		
4.—NEATH—(con.).								
d Neath (Gnoll Reservoir)	H. A. Clarke, Esq., C.E.	5	1 0	204	52·1	54·32	189	160
d Neath (Bryn-Teg)	H. P. Lloyd, Esq.	5	0 9	100	..	54·69	197	157
d Neath (Glynfelin)	T. Gibbins, Esq.	5	1 4	180	..	62·54	..	163
d Rhondda W.W. (Llyn Fawr Res.) <i>old g</i>	J. B. Hughes, Esq.	8	1 0	1220	88·6	109·06	215	189
d Rhondda W.W. (Llyn Fawr Res.) <i>new g</i>	J. B. Hughes, Esq.	5	1 0	1220	..	109·16	215	190
d Resolven (Forest Lodge)	Forestry Commission	5	0 7	100	..	72·50	209	167
Pontardawe (Plas Cilybebyll)	J. H. P. Lloyd, Esq.	5	1 3	500	..	71·05	..	..
5.—OGMORE & C. 350 sq. mi.								
d St. Athan	E. Whone, Esq.	5	1 0	50	..	37·54	..	133
d Barry (Porth-y-Castell)	E. Sawyer, Esq.	5	1 0	150	..	39·97	187	139
d Lower Penarth	The Surveyor	5	1 0	66	34·9	40·59	182	148
d Penarth Cemetery	The Surveyor	5	1 4	99	..	38·31	174	137
d Penarth (Council Offices)	The Surveyor	5	5 0	160	37·1	40·80	182	144
d Dunraven Castle	Dunraven Estates Co., Ltd.	5	1 0	71	..	42·32	..	153
d Cardiff (Cogan Pumping Statn.)	G. W. Cover, Esq., C.E.	5	1 0	121	37·7	44·28	175	148
d Cowbridge (Tair Onen Nursery)	Forestry Commission	5	1 0	421	..	50·96	..	..
d Fairwater (Glan Ely Hospital)	Medical Superintendent	5	1 0	122	..	45·84	152	143
d Cardiff (St. Fagan's Castle)	Mr. A. W. Pearce	5	0 10	100	48·5	49·59	..	145
d Cowbridge (Pentre Meyrick)	F. E. P. Dunn, Esq.	5	1 0	300	..	48·75	195	148
Merthyr Mawr	Col. J. I. D. Nicholl	5	1 6	75	42·9	50·31	225	168
d Bridgend (Eiwr Graig)	H. J. Randall, Esq.	8	1 6	50	..	49·31	199	148
d Bridgend Waterworks	Mid-Glamorgan Water Bd.	5	1 0	140	..	50·09	193	158
d Llanharan (Sew. Works)	E. Whone, Esq.	5	1 0	175	..	58·16	198	160
d Pencoed (Heol-y-Cyw School)	The Headmaster	5	1 0	345	..	57·81	184	158
d Port Talbot (Tanygroes)	G. A. Morgan, Esq.	8	1 0	53	40·3	49·03	193	156
d Maesteg (Salisbury Road)	H. L. Davies, Esq.	5	1 0	650	..	79·74	196	174
d Maesteg (Isolation Hospital)	The Engineer and Surveyor	8	1 0	600	..	77·33	202	174
d Maesteg (Welfare Park)	The Engineer and Surveyor	5	1 0	550	..	82·18	210	178
d Pontycymmer	Mid-Glamorgan Water Bd.	8	1 0	560	..	86·00	226	172
d Ogmore Vale	Mid-Glamorgan Water Bd.	8	1 2	580	..	91·84	..	178
6.—TAFF. 157 sq. mi.								
d Llandaff (Pwllmelyn Road)	A. L. Selby, Esq.	5	0 10	105	42·2	48·49	187	150
d Rhubina Reservoir	G. W. Cover, Esq., C.E.	5	1 0	336	48·1	53·30	198	152
Pontypridd (Ty-Gwyn Res.)	Pontypridd & Rhondda W.B.	5	1 0	720	..	67·42	..	..
d Pontypridd (Treforest Central Sch.)	The Headmaster	5	1 0	360	..	72·45	174	154
d Pontypridd (Llan Wood R.)	Pontypridd & Rhondda W.B.	5	1 6	300	..	71·57	216	165
d Porth Park	E. Taylor, Esq.	5	1 0	400	..	86·52	198	169
d Pontypridd (Llanfabon)	Pontypridd & Rhondda W.B.	5	1 0	600	..	69·63	219	168
d Ystrad-y-fodwg (Tyntyla Hos.)	Medical Officer of Health	5	1 0	590	..	84·69	226	193
d Gelli-galed Rec. Gd.	E. Taylor, Esq.	5	1 0	475	..	90·87	207	175
d Treorchy Pumpg. Stn. <i>new g</i>	E. Taylor, Esq.	5	1 0	515	..	97·16	212	180
d Ferndale Park	E. Taylor, Esq.	5	1 0	860	..	90·74	203	176
d Treherbert Service Reservoir	A. J. Marshall, Esq., C.E.	5	1 3	765	52·3	63·53	186	163
d Treherbert Park	E. Taylor, Esq.	5	1 0	600	..	104·11	223	184
d Mountain Ash (Darranlas Res.)	W. G. Thomas, Esq., C.E.	5	0 11	540	63·0	..	..	..
d Mountain Ash (Maesydderwen)	W. N. Morgan, Esq.	5	1 0	483	56·6	..	..	..
d Treherbert (Tyn-y-waun) <i>old g</i>	Elwyn Jones, Esq.	5	1 0	801	87·0	101·66	219	179
d Treherbert (Tyn-y-waun) <i>new g</i>	Elwyn Jones, Esq.	5	1 0	801	..	100·95	219	180
d Rhondda (Castell Nos Res.)	Pontypridd & Rhondda W.B.	5	1 6	1060	..	95·51	214	177
d Rhondda (Lluest Wen Filter)	Pontypridd & Rhondda W.B.	5	1 6	1200	..	91·52	222	179
d Rhondda (Lluest Wen Res.)	Pontypridd & Rhondda W.B.	5	1 6	1280	89·0	101·50	223	184
d Merthyr Tydfil (Penybryn Filters)	A. J. Marshall, Esq., C.E.	5	1 3	937	54·0	67·32	237	183
d Merthyr Tydfil (Hanover St.)	Mrs. Griffiths *	5	1 0	650	..	63·24	..	150
d Dowlais (Gwernllwyn)	W. Roberts, Esq.	5	1 6	1071	51·4	58·80	193	154
d Dowlais (Garth Filter Beds)	A. C. Quiningborough, Esq.	5	1 0	1245	..	70·42	224	179
7.—RHYMNEY. 55 sq. mi.								
d Cardiff (Roath Park)	Chief Officer of Parks	5	1 0	51	41·6	46·03	192	152
d CARDIFF (Penylan)	(+A) Medical Officer of Health	5	1 0	202	41·4	42·82	175	144
d Cardiff (Heathwood Road)	W. R. Howell, Esq.	5	1 6	130	..	46·49	187	149

‡ Turf wall round gauge.

* Per Royal Meteorological Society.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Aver- age Rain- fall.	1939.			
			Height of Rim above Ground.	Ground above Sea Level.		Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.	
GLAMORGAN—(con.).						in.			
7.—RHYMNEY—(con.).									
d Cardiff (Heath Filters)	G. W. Cover, Esq., C.F.	5	1	0	132	41·3	45·04	182	148
d Llanishen Reservoir	G. W. Cover, Esq., C.E.	5	1	0	155	39·4	43·17	179	141
d Lisvane Reservoir	G. W. Cover, Esq., C.E.	5	1	0	150	37·4	42·80	180	141
d Rhymney Bridge Reservoir	E. Watkin Edwards, Esq., C.E.	8	0	6	1150	56·8	68·94	220	191
CARMARTHEN. (Area, 918 sq. mi.).									
1.—TEIFI. 87 sq. mi.									
2.—TOWY & C. 715 sq. mi.									
d Llandilo (Dynevor Castle)	Lord Dynevour	8	1	6	202	53·2	55·89	213	165
w Llyn-y-fan Fach (Waen Sychlwch)	Llanelly R.D.C.	5	1	0	1647	103·0	116·30	..	..
d Llyn-y-fan Fach (Nant Coch)	Llanelly R.D.C.	5	1	0	1172	74·5	85·23	198	182
w Llyn-y-fan Fach (Bua'r Llyn)	Llanelly R.D.C.	5	1	0	1650	101·0	113·83	..	..
d Llyn-y-fan Fach (Troed-y-Foel)	Llanelly R.D.C.	5	1	0	867	..	69·56	198	173
d Llanddeusant (Pontcrynfe)	J. Thomas, Esq.	5	1	0	323	55·6	61·16	213	163
d Brechfa	Capt. C. Joynson	5	1	0	290	..	73·94	229	175
d Abergorlech	S. L. Davies, Esq.	5	1	0	245	..	67·18	204	170
d Llandovery (Nantyrhogfaen)	D. T. M. Jones, Esq.	5	1	0	249	50·8	56·89	216	170
3.—LOUGHOR & C. 104 sq. mi.									
d Llanelly (Old Market Yard)	J. H. Montgomery, Esq.	5	12	0	35	44·6	44·80	179	149
d Llanelly (Filter Beds)	J. H. Montgomery, Esq.	5	1	0	237	45·1	56·23	188	153
d Llanelly (Cwmlliedi W.W.)	J. H. Montgomery, Esq.	5	1	1	240	..	56·54	205	156
d Pembrey (The Colony)	Forestry Commission	5	1	0	19	..	45·32	172	146
d Llanelly (Upper Lliedi Res.)	J. H. Montgomery, Esq.	5	0	11	290	..	62·83	215	168
d Kidwelly	J. H. Montgomery, Esq.	5	1	6	60	..	54·00	191	152
w Llannon Reservoir	Llanelly R.D.C.	5	1	0	860	..	64·16	..	..
4.—TAFE. 7 sq. mi.									
5.—USK. 5 sq. mi.									
6.—WYE.									
PEMBROKE. (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	..	36·77?	216	143
3.—WEST COAST STREAMS. 82 sq. mi.									
4.—CLEDDAU & C. 407 sq. mi.									
d Pembroke (Stackpole Court)	Mr. F. G. Garlick	6	1	6	60	39·3	43·32	..	137
d TENBY (THE PRIORY)	The Town Clerk	8	1	0	64	40·9	46·87	204	155
d ST. ANN'S HEAD (C. Guard Stn.)	Station Officer (M.O.)	8	1	0	142	35·3	39·25	183	136
d Pembroke Dock (County School)	J. H. Garnett, Esq.	5	1	0	85	42·7	45·35	192	145
d Saundersfoot (Hean Castle)	Lord Merthyr	5	1	1	206	36·3	46·67	..	..
d Saundersfoot (Stepaside, Merryvale)	J. C. Pickering, Esq.	5	1	0	105	..	47·18	191	150
d Haverfordwest (Cresborough)	H. L. Puxley, Esq.	5	1	0	50	..	50·23	197	162
d Narbeth (Bloomfield)	Miss L. Lewis Lloyd	5	0	10	275	..	57·00	221	167
d HAVERFORDWEST (Hospital Gnds.)	The Borough Surveyor	5	1	0	133	..	46·53	197	151
d Maenclochog	Milford Haven U.D.C.	5	..	..	720	..	65·18	202	183
CARDIGAN (Area, 698 sq. mi.).									
1.—DOVEY. 20 sq. mi.									
d Glandyfa (Ynyshir Hall)	W. H. Mappin, Esq.	5	1	0	45	..	45·86	200	148
2.—YSTWYTH & C. 347 sq. mi.									
d Aberayron (CILIAU AERON)	G. C. Faber, Esq.	5	1	0	252	..	47·38	214	169
d Llanafan (Blaenddol)	R. Roberts, Esq., for M.O. . . . .	..	..	..	..	..	61·40	..	..
d Llanafan (Crosswood Park)	The Earl of Lisburne	5	1	0	210	..	52·09	183	149
d Llanafan (Pwllpeiran)	Prof. Sir George Stapledon	5	1	0	850	..	69·16	212	180
d ABERYSTWYTH (Corporation Yard)	The Town Clerk	8	1	0	12	..	39·24	194	147
d ABERYSTWYTH (P.B.S.)	Prof. Sir George Stapledon	5	1	0	452	..	46·75	208	159
d TALYBONT (LLETTY-EVAN-HEN)	Prof. Sir George Stapledon	5	1	0	930	..	50·11	196	161

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.			
			Height of Rim above Ground.	Ground above Sea Level.	Aver- age Rain- fall.	Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.		
CARDIGAN—(con.).			in.	ft.	in.	ft.	in.	in.		
2.—YSTWYTH & C.—(con.).										
D Afon Rheidol (Nant-y-moch)	Water Engineer, Aberystwyth	5	1	0	1060	..	88·26	212	184	
M Plynlimon (Llygad Rheidol) Higher g.	Water Engineer, Aberystwyth	5	1	0	1660	..	92·41	..	..
M Plynlimon (Llygad Rheidol) Lower g.	Water Engineer, Aberystwyth	5	1	0	1650	..	92·51	..	..
3.—TEIFI. 260 sq. mi.										
D Llandyssul (Prengwyn)	E. Jones, Esq.	5	0	9	625	..	55·12	217	171	
D Llechryd (Castle Malgwyn)	Mrs. Gower	5	1	0	50	..	45·03	171	152	
D Cardigan (Plas Llangoedmore)	D. Berrington Davies, Esq.	5	1	0	120	..	48·51	185	164	
D Lampeter (Falcondale)	Sir A. Harford, Bt.	5	1	0	498	..	57·55	204	180	
4.—TOWY. 46 sq. mi.										
Abergwesyn (Nantneuadd) new g.	Mr. T. Williams for M.O.	5	1	0	1000	64·6	68·50	..	..
M Tregaron (Maes-y-bettws)	T. Jones, Esq., for M.O.	5	1	0	910	67·0	76·70	..	..
5.—WYE. 15 sq. mi.										
M Birmingham W.W. (Llyn Gynon)	J. W. Wilkinson, Esq., C.E.	5	1	0	1500	70·7	74·65	..	..
M Birmingham W.W. (Bwlchyrhendre)	J. W. Wilkinson, Esq., C.E.	5	1	0	1585	67·4	74·90	..	..
M Birmingham W.W. (Claerddu)	J. W. Wilkinson, Esq., C.E.	5	1	0	1470	71·6	(78·40)	..	..
M Birmingham W.W. (Gwngu)	J. W. Wilkinson, Esq., C.E.	5	1	0	1490	..	74·55	..	..
D Birmingham W.W. (Abergwngu)	J. W. Wilkinson, Esq., C.E.	5	1	0	1150	67·1	78·77	220	182	
M Plynlimon	D. J. Thomas, Esq., for M.O.	5	1	0	1630	108·0	91·25	..	..
BRECON. (Area, 733 sq. mi.).										
1.—TOWY. 17 sq. mi.										
2.—TAWE. 41 sq. mi.										
D Ystradgynlais (Yniscedwyn Ho.)	G. Coleman, Esq.	5	0	9	232	65·2	67·47	202	167	
D Swansea W.W. (Nantyrwydd)	J. Hassall, Esq., C.E.	5	0	10	908	84·3	82·46	221	182	
3.—NEATH. 48 sq. mi.										
D Ystradfellte Reservoir	The Engineer	5	1	0	1147	85·4	85·31	208	170	
4.—TAFF. 48 sq. mi.										
D Aberdare (Nanthir Reservoir)	I. A. Bryant, Esq., C.E.	5	1	0	860	59·6	66·62	224	178	
D Cardiff W.W. (Cefn-Coed-y-Cymmer)	G. W. Cover, Esq., C.E.	5	1	0	790	..	65·46	216	172	
D Taf Fechan (Pontsticill) No. 12 (+ A)	A. C. Quiningborough, Esq.	5	1	0	1031	59·1	71·14	222	181	
M Taf Fechan (Pontsticill West) 14	A. C. Quiningborough, Esq.	5	1	0	1254	..	72·25	..	..
D Cardiff W.W. (Llwynon Res.)	G. W. Cover, Esq., C.E.	5	1	0	860	64·7	72·96	216	176	
W Cardiff W.W. (Nant Ffynnon)	G. W. Cover, Esq., C.E.	5	1	0	1352	73·2	83·17	..	..
M Cardiff W.W. (Garn Ddu)	G. W. Cover, Esq., C.E.	5	1	0	1340	70·3	80·33	..	..
D Cardiff W.W. (Garw-nant)	G. W. Cover, Esq., C.E.	5	1	0	1100	75·5	89·78	217	183	
W Cardiff W.W. (Nant-Gwineu)	G. W. Cover, Esq., C.E.	5	1	0	1200	67·5	74·11	..	..
W Cardiff W.W. (Cefn Gougarn)	G. W. Cover, Esq., C.E.	5	1	0	1362	75·7	83·15	..	..
W Cardiff W.W. (Lllysio)	G. W. Cover, Esq., C.E.	5	1	0	1080	68·7	78·84	..	..
D Taf Fechan (Pentwyn Res. S.)	A. C. Quiningborough, Esq.	5	1	0	1120	68·0	80·16	226	184	
Taf Fechan (Pentwyn Res. N.)	A. C. Quiningborough, Esq.	5	1	0	1090	..	78·56	..	..
W Cardiff W.W. (Twyn Gareg)	G. W. Cover, Esq., C.E.	5	1	0	1501	86·7	93·52	..	..
M Cardiff W.W. (Blaen Nant Ddu)	G. W. Cover, Esq., C.E.	5	1	0	1550	71·3	90·89	..	..
D Cardiff W.W. (CANTREF R.)	G. W. Cover, Esq., C.E.	5	1	0	1080	69·8	81·25	213	179	
D Cardiff W.W. (Beacons Res.)	G. W. Cover, Esq., C.E.	5	1	0	1340	79·3	91·59	220	194	
W Cardiff W.W. (Nant Penig)	G. W. Cover, Esq., C.E.	5	1	0	2000	92·9	104·21	..	..
M Cardiff W.W. (Blaen Nant Crew)	G. W. Cover, Esq., C.E.	5	1	0	2090	..	86·79	..	..
D Cardiff W.W. (Storey Arms Field)	G. W. Cover, Esq., C.E.	5	1	0	1430	88·5	97·03	225	196	
W Cardiff W.W. (Blaen Taf Fawr)	G. W. Cover, Esq., C.E.	5	1	0	1430	85·7	92·62	..	..
D Taf Fechan (Neuadd Rs.) No. 1A	A. C. Quiningborough, Esq.	5	1	0	1423	84·6	100·83	232	212	
D Taf Fechan (Neuadd Rs.) No. 4	A. C. Quiningborough, Esq.	5	1	0	1487	83·0	97·08	232	197	
D Taf Fechan (Neuadd Rs.) No. 11	A. C. Quiningborough, Esq.	5	1	0	1524	68·3	84·26	231	197	
D Taf Fechan (Neuadd Rs.) No. 11A	A. C. Quiningborough, Esq.	5	1	0	1520	..	95·87	231	201	
M Taf Fechan (Neuadd Rs.) No. 2	A. C. Quiningborough, Esq.	5	1	0	1993	72·7	80·35	..	..
M Taf Fechan (Neuadd Rs.) No. 5	A. C. Quiningborough, Esq.	5	1	0	1515	83·3	91·10	..	..
M Taf Fechan (Neuadd Rs.) No. 10	A. C. Quiningborough, Esq.	5	1	0	1700	72·7	92·85	..	..
M Taf Fechan (Neuadd Rs.) No. 3	A. C. Quiningborough, Esq.	5	1	0	1843	60·6	84·40	..	..

§ Turf wall round gauge.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(con.).

		Rain-gauge				1939.		
STATIONS.	AUTHORITIES.	Diam.	Height of		Average Rain-fall.	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
			Rim above Ground.	Ground above Sea Level.				
BRECON—(con.).		in.	ft.	in.	ft.	in.	in.	
4.—TAFV—(con.).								
m Taf Fechan (Neuadd Rs.) No. 7	A. C. Quiningborough, Esq.	5	1	0	2017	92·2	101·90	..
m Taf Fechan (Neuadd Rs.) No. 8	A. C. Quiningborough, Esq.	5	1	0	1723	87·4	98·55	..
m Taf Fechan (Neuadd Rs.) No. 8A	A. C. Quiningborough, Esq.	5	1	0	1780	..	94·90	..
m Taf Fechan (Neuadd Rs.) No. 6	A. C. Quiningborough, Esq.	5	1	0	2099	95·4	109·55	..
5.—RHYMNEY. 2 sq. mi.								
6.—EBBW. 7 sq. mi.								
d Ebbw Vale W.W. (Llangynidr) 1	P. I. Davies, Esq., C.E.	5	1	0	1413	58·8	70·05	189
d Ebbw V. W.W. (Llangynidr) W 3	P. I. Davies, Esq., C.E.	5	1	0	1468	..	69·94	189
d Ebbw V. W.W. (Llang'ndr) NW2	P. I. Davies, Esq., C.E.	5	1	0	1471	..	70·55	189
d Ebbw Vale W.W. (Carno, S.)	P. I. Davies, Esq., C.E.	5	1	0	1262	..	68·83	189
d Ebbw Vale W.W. (Carno, E.)	P. I. Davies, Esq., C.E.	5	1	0	1391	..	69·91	189
d Ebbw Vale W.W. (Carno, W.)	P. I. Davies, Esq., C.E.	5	1	0	1412	..	70·35	189
d Ebbw Vale W.W. (Carno, N.)	P. I. Davies, Esq., C.E.	5	1	0	1491	..	69·87	189
7.—USK. 299 sq. mi.								
d Gilwern (Bryn-yr-Haul)	Mrs. J. John	5	1	0	590	..	54·14	189
Torpantau (Darenfawr)	Newport Corporation	5	1	0	1172	..	81·75	..
Torpantau (Ynysposte)	Newport Corporation	5	1	0	741	..	78·48	..
Torpantau (Blaen-caer-fanell)	Newport Corporation	5	1	0	1584	..	81·13	..
d Talybont (Ffynonwen)	Newport Corporation	5	1	0	629	..	64·76	202
Talybont (Pwll Ifor)	Newport Corporation	5	1	0	1224	..	75·45	..
d Talybont (Aberclydach)	G. Garnons Williams, Esq.	8	0	8	520	..	58·43	..
d Crickhowell (Gwernvale)	H. Pirie-Gordon, Esq.	5	1	0	393	41·5	45·24	195
d Crickhowell (Glanusk Park)	Lord Glanusk	5	0	7	290	..	48·34	196
d Crickhowell (Penmyarth)	Lord Glanusk	5	0	8	370	..	48·04	201
m Swansea W.W. (Cray Rs.) No. 2	J. Hassall, Esq., C.E.	5	1	0	1019	..	89·95	..
d Swansea W.W. (Cray Rs.) No. 1 (+A)	J. Hassall, Esq., C.E.	5	1	0	1043	..	72·49	212
m Cray Post Office	J. A. Jones, Esq., for M.O.	5	1	0	930	..	75·25	..
d Talybont (Ashford)	J. Henderson, Esq.	5	1	0	390	..	52·11	198
d Llanfrynach (Ty-mawr)	Miss M. D. de Winton	5	1	0	450	..	45·55	191
d CRICKHOWELL (Dan-y-Parc)	R. G. Sandeman, Esq.	8	1	0	230	..	46·70	194
d Talybont (Yscytrog)	Lt.-Col. C. G. Cole-Hamilton	5	1	0	451	..	44·19	211
m Crickhowell (Cwmdu Rectory)	Rev. W. A. Davies	5	1	0	430	..	42·37	..
m Crickhowell (Tal-y-maes)	Mrs. E. Jones, for M.O.	5	1	0	1250	..	51·10	..
d Treacastle (Blaenau-hydfwr)	Mrs. Morgan, for M.O.	5	1	0	970	..	70·28	..
d Brecon (Tairbull School)	W. O. Davies, Esq.	5	1	0	660	52·0	53·48	183
d Brecon (Ffwdgrech)	Capt. J. D. D. Evans	5	1	1	560	..	47·80	201
d Brecon (Mount St. Sch. Gdns.)	The Headmaster	5	0	11	500	..	43·97	..
d Battle (Penoyre)	Mr. R. T. Williams	5	1	0	830	..	47·40	212
d Black Mountains (Blaen-y-cwm)	W. Cory Goddard, Esq., C.E.	5	1	0	1423	..	61·62	189
d Black M. (Dam Site Grwyne Fawr)	W. Cory Goddard, Esq., C.E.	5	1	0	1620	..	61·40	195
m Upper Chapel (Tymawr)	Mrs. Probert	5	1	0	945	46·9	54·30	..
8.—WYE. 271 sq. mi.								
d Cathedine Rectory <i>new g. new site</i>	Rev. D. H. Picton, for M.O.	5	1	6	650	..	40·60	174
d Talgarth (Arfryn)	F. T. Morgan, Esq.	5	3	6	450	33·2	36·37	179
d Talgarth (Pontiwal San.) <i>new g.</i>	Dr. H. E. Watson	5	1	0	500	..	39·02	216
d Garth	L. W. Milnes, Esq.*	5	1	0	541	..	50·46	206
d Builth Wells (Council Sch.)	R. V. Kingston, Esq.	5	4	0	450	..	43·93	..
m Abergwesyn (Trallwn)	D. I. Felix, Esq., for M.O.	5	1	0	1000	75·5	85·10	..
d Beulah (Llwyn Madoc)	C. M. Evan-Thomas, Esq.	5	1	0	763	..	65·42	211
d Llanafanfawr School	W. D. Swan, Esq.	5	0	8	800	..	57·84	..
m Newbridge (Pengraig)	Miss A. Williams, for M.O.	5	1	0	960	56·5	64·40	..
d Newbridge (Llysdinam)	Sir C. Venables Llewelyn, Bt.	5	1	3	646	41·2	47·74	209
m Birmingham W.W. (Cors-yr-hwch)	J. W. Wilkinson, Esq., C.E.	5	1	0	1775	87·3	93·85	..
m Birmingham W.W. (Esgair Ceiliog)	J. W. Wilkinson, Esq., C.E.	5	1	0	1560	77·3	88·95	..
m Birmingham W.W. (Llyn-Carw)	J. W. Wilkinson, Esq., C.E.	5	1	0	1775	79·3	87·55	..
m Birmingham W.W. (Nant-y-car)	J. W. Wilkinson, Esq., C.E.	5	1	0	1545	76·5	83·90	..
m Birmingham W.W. (Arban)	J. W. Wilkinson, Esq., C.E.	5	1	0	1500	73·2	80·50	..
m Birmingham W.W. (Tyn-y-pant)	J. W. Wilkinson, Esq., C.E.	5	1	0	1320	62·0	71·40	..
m Birmingham W.W. (Esgair Garthen)	J. W. Wilkinson, Esq., C.E.	5	1	0	1590	75·5	80·95	..
d Birmingham W.W. (Elan Village)	J. W. Wilkinson, Esq., C.E.	5	1	0	700	54·4	62·61	232

* Per River Wye Catchment Board. § Turf wall round gauge.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(con.).

		Rain-gauge				1939.		
STATIONS.	AUTHORITIES.	Diam.	Height of		Average Rain-fall.	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
			Rim above Ground.	Ground above Sea Level.				
RADNOR. (Area, 474 sq. mi.)—see also p. 221.		in.	ft.	in.	ft.	in.	in.	
1.—WYE. 424 sq. mi.								
D Glasbury-on-Wye (Hampton Sc.)	D. W. Lloyd, Esq.	5	1	0	274	33.9	35.43	199 148
D Llyswen (Llanstephan Ho. Gdns.)	Lady Philipps	5	1	3	440	..	44.83	187 168
D Builth (Cefndyrys) new site	Capt. E. A. Thomas	5	1	0	740	41.5	39.87	187 154
D Builth (Pencerrig)	L. Evan-Thomas, Esq. *	5	1	6	750	..	39.98	188 145
D New Radnor (Harpton Crt. Gdns.)	Sir Henry Duff Gordon, Bt	5	0	6	700	..	43.74	192 159
D New Radnor (Maes-y-Fed)	Mrs. C. F. Langston	5	1	0	750	44.1	44.51	.. 156
D Presteign (Corton House)	L. B. Newall, Esq.	5	0	5	550	..	33.67	188 140
D Birmingham W.W. (Tyrmynydd)	J. W. Wilkinson, Esq., C.E.	5	1	3	832	62.1	68.81	238 183
D Birmingham W.W. (Nantgwilt)	J. W. Wilkinson, Esq., C.E.	5	1	0	840	63.2	65.86	238 182
D Birmingham W.W. (Dwfnant)	J. W. Wilkinson, Esq., C.E.	5	1	2	1050	65.3	74.95	.. ..
D Birmingham W.W. (Esgair Gader) 2	J. W. Wilkinson, Esq., C.E.	5	1	0	1500	67.3	76.65	.. ..
D Birmingham W.W. (Tynllidiart)	J. W. Wilkinson, Esq., C.E.	5	1	0	1006	62.9	68.16	.. ..
D Birmingham W.W. (Claerwen)	J. W. Wilkinson, Esq., C.E.	5	1	0	1250	67.7	75.25	.. ..
D Pen-y-gareg (Penybont)	John Jones, Esq.	5	1	0	900	..	68.76	.. ..
D Birmingham W.W. (Tynant)	J. W. Wilkinson, Esq., C.E.	5	1	0	1020	64.3	70.59	233 185
D RHAYADER	R. Ashton, Esq., for M.O.	5	1	0	757	50.6	49.81	214 169
D Rhayader (East Street)	R. Ashton, Esq.	5	1	0	700	49.2	52.23	221 176
D Birmingham W.W. (Cerriglwydion)	J. W. Wilkinson, Esq., C.E.	5	1	0	1710	72.4	85.70	.. ..
D Birmingham W.W. (Pen-y-gareg)	J. W. Wilkinson, Esq., C.E.	5	1	0	1500	..	61.16	.. ..
D Birmingham W.W. (Pen-y-gareg) 2	J. W. Wilkinson, Esq., C.E.	5	1	0	1540	..	60.50	.. ..
D Birmingham W.W. (Bryn Hir)	J. W. Wilkinson, Esq., C.E.	5	1	0	1470	74.2	83.20	.. ..
D Birmingham W.W. (Abercaethon)	J. W. Wilkinson, Esq., C.E.	5	1	0	1240	67.1	76.50	.. ..
D Birmingham W.W. (Calettwr)	J. W. Wilkinson, Esq., C.E.	5	1	0	1490	72.5	81.55	.. ..
D Birmingham W.W. (Figin) No. 2	J. W. Wilkinson, Esq., C.E.	5	1	0	1700	81.3	(92.15)	.. ..
D Birmingham W.W. (Aberhenllan)	J. W. Wilkinson, Esq., C.E.	5	1	0	1070	64.8	75.30	.. ..
D Llanbister (Llananno)	Mrs. A. Jones, for M.O.	5	1	0	900	45.1	52.50	.. ..
2.—CEVERN—Right Bank Tributaries. 50 sq. mi.								
D Bucknell (Stanage Park)	Miss M. Walker	5	1	0	716	..	38.55	.. ..
MONTGOMERY. (Area, 797 sq. mi.).								
1.—DOVEY. 120 sq. mi.								
D Machynlleth (Plas Llwyn Gwern)	The Hon. R. E. B. Beaumont	5	0	9	150	..	84.63	213 177
2.—YSTWYTH. 7 sq. mi.								
3.—WYE. 37 sq. mi.								
D Birmingham W.W. (Bod-Talog)	J. W. Wilkinson, Esq., C.E.	5	1	0	1250	65.8	75.40	213 187
D Birmingham W.W. (Glan-Fedwen)	J. W. Wilkinson, Esq., C.E.	5	1	0	1375	67.7	77.28	.. ..
D Llangurig (Dernol)	E. W. Price, Esq., for M.O.	5	1	0	870	61.5	58.20	.. ..
4.—SEVERN—Right Bank Tributaries. 154 sq. mi.								
D Llanidloes (Llidiartywaen Sch.)	G. E. Edwards, Esq.	5	1	3	1150	..	47.99	206 155
D Llanidloes (Mount Severn)	A. L. Onslow, Esq.	5	1	0	600	..	54.74	160 136
D Newtown (Mochdre Res.)	The Surveyor	..	0	9	650	..	42.65	202 163
D Newtown (Penarth Weir)	Canal Engr., L.M. & S. Rly.	8	1	0	321	35.0	42.10	210 165
D Montgomery (The Gaol)	Dr. R. E. Game Phillips	5	1	0	450	..	33.80	199 159
5. SEVERN—Left Bank Tributaries. 479 sq. mi.								
D Berriew (Brithdir Hall)	Mrs. F. E. Marston	5	1	0	350	30.7	31.91	219 141
D Berriew (Glyncogen)	H. H. Haines, Esq.	5	1	0	415	..	38.51	196 153
D Berriew (Tanyrallt)	H. H. Haines, Esq.	5	1	0	700	..	39.76	.. ..
D Welshpool (County School)	The Headmaster	5	1	0	254	30.1	35.30	180 155
D Welshpool (Fron Llwyd)	Col. G. B. D. Harrison	5	1	3	500	33.7	37.75	196 159
D Garthbibio (Bwlch Tomlyd)	J. R. Jones, Esq., for M.O.	5	1	0	1200	71.0	71.50	.. ..
D Llanfyllin (Llwyn)	Major W. M. Dugdale	5	0	10	450	..	41.83	201 160
D Lake Vyrnwy	J. E. Bradley, Esq.	5	0	7	770	54.0	68.97	208 186
D Lake Vyrnwy (Bryn Gwyn)	Lt.-Col. F. Hibbert, C.E.	8	1	0	1311	..	66.25	.. ..
D Lake Vyrnwy (Bank Cynon Isaf) (+A)	Lt.-Col. F. Hibbert, C.E.	8	1	0	750	55.3	60.76	207 164
D Lake Vyrnwy (Ty Uchaf)	Lt.-Col. F. Hibbert, C.E.	8	1	0	860	..	68.05	.. ..
D Lake Vyrnwy (Heol-y-fridd) No. 1	Lt.-Col. F. Hibbert, C.E.	8	1	0	913	..	74.83	.. ..
D Lake Vyrnwy (Heol-y-fridd) No. 2	Lt.-Col. F. Hibbert, C.E.	8	1	0	830	..	69.32	.. ..
D Lake Vyrnwy (Tyn-y-fridd)	Lt.-Col. F. Hibbert, C.E.	8	1	0	1010	..	59.74	.. ..
D Lake Vyrnwy (Lluestwen)	Lt.-Col. F. Hibbert, C.E.	8	1	0	1667	..	80.11	.. ..
D Lake Vyrnwy (Llwynrhwi)	Lt.-Col. F. Hibbert, C.E.	8	1	0	1428	..	87.08	.. ..

* Turf wall round gauge.

* Per River Wye Catchment Board.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain-fall.	1939.		
			Rim	Height of Ground	above		Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
			in.	ft. in.	ft.	in.	in.		
MONTGOMERY—(con.).									
5. SEVERN—Left Bank Tributaries—(con.).									
Lake Vyrnwy (Nant Cawell)	Lt.-Col. F. Hibbert, C.E.	5	1	0	1610	..	83.25	..	..
Lake Vyrnwy (Craig-v-Gribin)	Lt.-Col. F. Hibbert, C.E.	8	1	0	1422	..	73.91	..	..
Lake Vyrnwy (Eunant Bridge) <i>new</i>	Lt.-Col. F. Hibbert, C.E.	5	1	0	830	..	80.51	..	..
Lake Vyrnwy (Gadfa)	Lt.-Col. F. Hibbert, C.E.	5	1	0	1521	..	91.00	..	..
Lake Vyrnwy (Carreg Goch)	Lt.-Col. F. Hibbert, C.E.	8	1	0	1750	..	75.52	..	..
Lake Vyrnwy (Stone)	Lt.-Col. F. Hibbert, C.E.	5	1	0	1500	..	84.75	..	..
Lake Vyrnwy (Fawnog)	Lt.-Col. F. Hibbert, C.E.	8	1	0	1315	55.7	64.25	..	..
FLINT. (Area, 256 sq. mi.).									
1.—DEE. 198 sq. mi.									
d Hanmer (Gredington)	Lady Kenyon	5	1	0	300	30.4	33.56	171	189
d Overton (Fairleigh)	Dr. B. J. E. Wright	5	1	0	220	26.8	34.81	200	163
d Mold (Padeswood Hall)	The Resident Superintendent	5	1	0	350	..	37.05	228	166
d Hawarden (High Park)†	C. F. Williams, Esq.	5	1	0	249	..	34.96	190	148
d Mold (Alun County School)	The Headmaster	5	1	0	365	..	37.03	190	148
d Mold (Mount Pleasant)	R. F. Baker, Esq., C.E.	5	1	0	503	..	36.73	191	156
d Cilcain (No. 2 Reservoir)	Hawarden & Dist. W.W. Co.	5	1	0	785	..	39.84	198	159
w Cilcain (No. 4 Reservoir)	Hawarden & Dist. W.W. Co.	5	1	0	900	..	40.29	..	..
d Northop (Soughton Hall)	Sir John Bankes	5	1	0	418	32.1	39.88	211	164
d Cilcain (Cilcen Hall)	W.B. Yates, Esq., D.L., C.B.E.	5	0	9	700	29.7	36.11	..	158
d Connah's Quay (Mold Road)	R. F. Baker, Esq., C.E.	5	1	0	43	..	33.69	201	152
d Connah's Quay (Pengwladys)	R. F. Baker, Esq., C.E.	5	1	0	231	..	32.49	202	150
d HAWARDEN BRIDGE	Messrs. J. Summers & Sons	8	1	0	17	24.3	32.54	186	146
d SEALAND (Aerodrome)	(+A) Meteorological Office	8	1	0	16	25.1	30.78	181	150
d Halkyn (Bryn Awel)	Halkyn District Mines, Ltd	5	1	0	800	..	38.52	..	..
d Mostyn	Darwen & Mostyn Iron Co., Ltd.	5	3	2	15	..	33.22	182	147
2.—CLWYD. 51 sq. mi.									
d Bodfari (Nantlys)	A. D. H. Pennant, Esq.	5	1	5	178	27.4	33.05	195	147
d St. Asaph (St. Beuno's Coll.)	The Procurator	5	1	0	450	..	36.61	236	158
d Dyserth Castle	Mrs. Hoggarth	5	1	0	350	..	26.03	..	..
d RHYL (Sewage Works)	Medical Officer of Health	5	1	0	31	25.8	27.01	178	140
d PRESTATYN	Clerk to the U.D.C.	5	1	0	18	..	26.70	166	136
3.—SEVERN—Left Bank Tributaries. 7 sq. mi.									
DENBIGH. (Area, 668 sq. mi.).									
1.—DEE. 278 sq. mi.									
d Chirk Castle Gardens	Lord Howard de Walden	5	1	0	630	..	38.75	180	157
d Llangollen (Oakleigh)	Miss J. B. Jagger	5	1	0	337	..	40.93	184	153
d Llangollen (Vivod)	Capt. W. Best	5	1	0	640	..	42.95	197	160
d Ruabon (Trevor Hall)	E. Lloyd Edwards, Esq.	8	1	2	500	30.9	42.33	191	162
m Wrexham W.W. (Mountain Lo.)	J. A. Davies, Esq.	8	0	9	1100	..	38.22	..	..
d Wrexham W.W. (Ty Mawr Res.)	J. A. Davies, Esq.	5	0	9	805	39.1	42.04	229	170
d Wrexham W.W. (Pack Saddle Res.)	J. A. Davies, Esq.	5	0	9	370	32.0	37.70	213	163
d Wrexham W.W. (Cae Llwyd Res.)	J. A. Davies, Esq.	8	0	9	918	41.1	43.61	229	175
d Wrexham W.W. (Cae Llwyd Res.)	J. A. Davies, Esq.	5	0	9	918	40.5	43.31	228	176
m Wrexham W.W. (Erwau)	J. A. Davies, Esq.	5	0	9	1200	..	41.30	..	..
m Wrexham W.W. (Minera)	J. A. Davies, Esq.	5	0	9	1400	..	41.18	..	..
Wrexham (Beechley Road)	Rev. T. Owen-Jones	2	1	0	285	..	30.32	..	..
d Pendinas Reservoir	Brymbo Water Co.	5	0	6	1249	..	41.87	182	161
d Nantyffrith Reservoir	Brymbo Water Co.	5	0	6	1040	..	40.23	182	165
d Llanfihangel-glyn-myfyfyr	R. F. Baker, Esq., C.E.	5	1	0	898	..	48.27	221	174
d R. Alwen (Alwen Filter House)	R. F. Baker, Esq., C.E.	5	1	0	1100	..	55.11	228	186
d R. Alwen (Alwen Dam)	R. F. Baker, Esq., C.E.	5	1	0	1189	..	57.92	228	192
d R. Alwen (Hafod-Ilan-isaf) No. 2	R. F. Baker, Esq., C.E.	5	1	0	1172	39.2	50.15	228	182
d R. Alwen (Hafod-Ilan-isaf) No. 3	R. F. Baker, Esq., C.E.	5	1	0	1169	36.8	52.22	228	186
w Pentre Voelas (Nant Heilyn)	R. F. Baker, Esq., C.E.	5	1	0	1225	..	58.01	..	..
d R. Brenig (Hafod-yr-Onen)	R. F. Baker, Esq., C.E.	5	1	0	1175	..	49.71	208	179
m Nantglyn (Pant-y-maen)	R. F. Baker, Esq., C.E.	8	1	0	1320	..	57.41	..	..
m Llyn Bran	R. F. Baker, Esq., C.E.	8	1	0	1428	..	59.48	..	..
Llanferres (Glan-yr-Afon)	Miss A. Simpson	5	1	1	650	..	40.25	..	..

† Station formerly called Hawarden (St. Deiniols Library.).

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Aver- age Rain- fall.	1939.		
			Height of Rim above Ground.	Ground above Sea Level.	ft.		Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
DENBIGH—(con.).							in.		
2.—CLWYD & C. 267 sq. mi.									
Derwen (Ty Cerrig)	Edgar Billson, Esq.	5	1	0	1030	..	45·88	..	..
Pentre Celyn Council School	The Headmaster.	5	1	3	400	30·1	38·09	..	..
Clawdd-newydd No. 2.	R. F. Baker, Esq., C.E.	5	1	0	983	..	43·52	191	176
Clawdd-newydd (Foel Fach)	Forestry Commission	..	..	..	1150	..	43·73	..	..
Ruthin (Corwen Road)	R. F. Baker, Esq., C.E.	5	1	0	234	..	37·22	..	..
Llyn Aled	O. P. Cronshaw, Esq.	5	1	6	1200	..	50·18	205	171
Ruthin (Bwlch Tunnel)	R. F. Baker, Esq., C.E.	5	1	0	908	..	39·86	186	171
Llyn Aled (Moel-y-Bryniau)	O. P. Cronshaw, Esq.	5	1	4	1250	..	52·19	205	170
Llyn Aled (Rhyd-y-Bedd)	O. P. Cronshaw, Esq.	5	1	5	1170	..	49·69	216	179
Llangynhafal (Plâs Drâw)	Major R. Bromhead	5	1	0	419	31·1	39·31	196	171
Denbigh (Mental Hospital)	W. Barker, Esq.	5	1	0	316	..	36·97	(196)	(160)
Denbigh (Garn)	J. D. W. Griffith, Esq.	5	1	0	447	32·7	36·62	209	161
Trefnant School	The Head Teacher	5	1	0	300	..	29·70	..	..
Llanefydd (Dolwen Res., S.)	O. P. Cronshaw, Esq.	5	1	0	600	..	38·24	..	..
Llanefydd (East)	O. P. Cronshaw, Esq.	5	1	0	570	..	37·80	..	..
Llanefydd (Plas Uchaf Res.)	O. P. Cronshaw, Esq.	5	1	0	485	..	35·40	188	155
Llanefydd (Glascoed Res.)	O. P. Cronshaw, Esq.	5	1	0	360	..	(30·10)	(188)	(144)
St. Asaph (Wigfair)	Col. H. C. Ll. Howard, C.M.G., D.S.O.	5	1	0	240	..	31·73	..	..
Abergele (County School)	The Headmaster	5	1	0	50	..	29·48	179	144
Abergele (Sea Road)	Sydney Wilson, Esq.	5	1	0	35	28·4	28·43	177	139
COLWYN BAY (Eirias Park)	Borough Surveyor	5	1	0	118	31·1	27·14	194	137
3.—CONWAY—4 sq. mi.									
Pentre Voelas (Voelas Hall)	Mr. T. N. Dickie	5	1	6	640	..	60·94	228	183
Bettws-y-Coed (Talffryn)	R. J. Evans, Esq.	5	1	0	50	..	59·45	202	176
4.—SEVERN—Left Bank Tributaries. 47 sq. mi.									
Llansilin (Penygwely Res.)	J. E. Taylor, Esq., C.E.	5	1	0	1095	..	44·61	210	166
MERIONETH. (Area, 661 sq. mi.).									
1.—DEE. 218 sq. mi.									
Afon Twrch (Nant-y-barcut)	R. Jones, Esq.*	5	1	0	1091	..	94·00	..	..
Llanuwchllyn (Plas-deon)	A. E. Morris, Esq.*	5	1	0	555	..	(65·22)	(220)	(187)
Cwm Hirnant (Maesfallen)	E. O. Roberts, Esq.*	5	1	4	957	..	58·42	..	..
Afon Lliw (Blaen Lliw Isaf)	J. Pugh, Esq.*	5	1	6	1790	..	93·40	..	..
BALA (Plas Coch Hotel)	W. Walker, Esq., Jun.	5	1	0	535	..	56·43	224	178
Bala (Tegid Street)	(+A) D. R. Roberts, Esq.*	5	1	3	537	..	55·55	210	172
Llandderfel (Palé Gardens)	Sir H. B. Robertson	8	1	0	606	48·2	55·21	206	181
Trawsfynydd (Cwm Prysor)	N. Wales Power Co., Ltd.	5	1	3	1300	..	75·89	..	..
Llyn Arenig Fach	J. Jones, Esq.*	5	1	5	1511	..	108·80	..	..
Bala (Craig Nant)	R. Dee Catchment Bd.	5	1	0	1030	..	78·61	191	179
Corwen (Bryntirion)	Admiral Stapleton-Cotton	5	0	9	550	..	42·40	..	187
Afon Mynach (Hafod Nwydog)	N. D. Tee, Esq.*	5	1	0	1198	..	74·33	..	175
Corwen (Rûg Gardens)	Col. R. Vaughan Wynn	8	1	3	600	36·2	41·99	211	177
Derwen (Minfordd)	R. F. Baker, Esq., C.E.	5	1	0	971	..	44·14	..	..
2.—CLWYD. 7 sq. mi.									
3.—GLASLYN. 92 sq. mi.									
Harlech (Royal St. Davids Golf Club) The Secretary		5	1	0	3	..	44·82	..	131
Trawsfynydd (Cefn Gell-y-Cwm)	N. Wales Power Co., Ltd.	5	1	6	665	..	73·99	..	..
Trawsfynydd (Tyn Twll)	N. Wales Power Co., Ltd.	5	2	0	750	..	80·34	..	..
Trawsfynydd (Darn Gae)	N. Wales Power Co., Ltd.	5	2	0	950	..	78·45	..	..
Minfordd (Plas Penrhyn)	Mrs. H. Kitching	5	0	8	220	..	(50·61)	197	152
Pandyrddrwyrd (Main Dam)	N. Wales Power Co., Ltd.	5	1	3	650	..	68·06	181	158
Minfordd (Hafod-Cae-Maen)	G. H. C. Haigh, Esq.	5	1	0	100	50·5	53·23	212	161
Tyddym-y-Careg (Hendre Mur)	N. Wales Power Co., Ltd.	5	1	3	660	..	69·13	..	..
Tan-y-bwlch (Plas Gardens)	Mr. F. W. Dawe	5	1	0	55	..	62·54	211	173
Festiniog (Hafod Fawr)	Forestry Commission	8	1	4	1000	74·6	75·01	202	181
Blaenau Festiniog (Oakeley Q.)	J. Lloyd Humphreys, Esq.	5	1	0	1100	97·1	100·46	(202)	(184)
Blaenau Festiniog (Llechwedd Q.)	Messrs. J. W. Greaves & Sons	5	1	0	700	..	108·02	250	213
Blaenau Festiniog (Slate Q.)	Messrs. Votty & Bowydd Co. Ltd.	5	1	0	1060	..	104·97	225	196

† Turf Wall round gauge.

* Per River Dee Catchment Board.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
			Rim above Ground.	Ground above Sea Level.	Rain- fall.			
MERIONETH—(con.).			in.	ft. in.	ft. in.	in.		
4.—MAWDDACH & C. 262 sq. mi.								
d Towyn (Ynys-y-Maengwyn)	R. Corbett, Esq.	5	1 0	14	..	47·14	199	155
d Towyn (Bronffynnon)	Dr. T. Henry Jones	5	1 0	180	..	48·38	209	159
d Dolgelley (Bronygader)	Lt.-Col. A. E. Jelf-Reveley	5	1 0	200	..	72·88	..	..
d Dolgelley (Dol'rhyd)	Col. P. H. Enthoven, D.L.	5	1 0	150	..	56·31	..	147
d Dolgelley (Borthwnog)	Col. C. W. H. Crichton	5	1 0	5	..	54·77	220	165
d Dolgelley (Bontddu)	E. P. Beale, Esq.	5	0 10	50	58·8	61·20	211	176
d Llanbedr (Llwyn)	A. Towers, Esq.	5	1 6	50	..	50·25	..	141
5.—DOVEY. 82 sq. mi.								
d Aberdovey (Plas Penhelig)	J. M. Howell, Esq., D.L.	5	1 0	100	..	47·45	214	161
d Pennal (Llwyn-Celyn)	Lt.-Col. M. V. le P. Trench	5	1 0	30	..	59·23	203	167
d Pennal (Talgarth Hall)	Owen D. Jones, Esq.	5	0 9	125	..	61·57	221	167
Corris (Pantperthog)	Forestry Commission	5	1 0	200	..	85·81	..	..
6.—SEVERN—Left Bank Tributaries.								
CARNARVON. (Area, 572 sq. mi.).								
1.—BARDSEY ISLAND.								
2.—CONWAY & C. 146 sq. mi.								
Lake Cowlyd (Capel Curig)	N. Wales Power Co. Ltd.	5	1 0	1400	..	88·08	..	..
Lake Cowlyd (Llethyr Gwyn) c	Conway & Colwyn Bay W. Bd.	5	1 0	1700	..	91·65	..	..
Lake Llwgwy	N. Wales Power Co. Ltd.	5	1 0	1820	..	104·05	..	..
L. Cowlyd (Ffrith Carreg Wen) a	Conway & Colwyn Bay W. Bd.	5	1 0	1168	..	92·81	192	..
Lake Cowlyd (Ffrith Fawr) b	Conway & Colwyn Bay W. Bd.	5	1 0	1700	..	76·85	192	..
Lake Cowlyd (Gors-y-Llithig) d	Conway & Colwyn Bay W. Bd.	5	1 0	1900	..	91·50	192	..
d Trefriw Wells	C. P. Adamson, Esq.	5	1 0	25	..	52·80	(188)	(160)
d Lake Eigiau (Dam Site)	N. Wales Power Co., Ltd.	5	1 5	1244	83·9	83·19	216	185
Llanbedr-y-Cennin (Melynllyn)	W. T. Ward, Esq., C.E.	5	1 0	2065	..	122·28	..	144
Llanbedr-y-Cennin (Llyndulyn) old g	W. T. Ward, Esq., C.E.	5	1 6	1632	93·6	98·16	..	144
Llanbedr-y-Cennin (Llyndulyn) new g	W. T. Ward, Esq., C.E.	8	1 6	1632	102·7	105·14	..	144
Llanbedr-y-Cennin (Plasdulyn)	W. T. Ward, Esq., C.E.	8	1 0	509	..	57·04	..	144
d Tyn-y-Groes (Dolcrwm)	R. S. Fisher, Esq.	5	1 0	100	..	48·76	191	155
d Tyn-y-Groes (Roe Wen)	Albert Wilson, Esq.	5	1 0	140	..	49·08	204	157
d Conway (Mussel Tks.)	Ministry of Agric. & Fisheries	5	1 0	50	..	30·42	(170)	(134)
d Deganwy (Y Berifa)	Dr. Willoughby Gardner	5	1 0	35	31·2	31·76	..	..
d LLANDUDNO (Cricket Ground)	Medical Officer of Health	5	1 1	13	28·1	28·62	171	132
3.—MENAI STRAITS. 221 sq. mi.								
d Edeyrn Tydweiliog (Cefnamllwch)	The Head Gardener	5	1 0	300	..	47·35	163	147
d Madryn Castle (Farm School)	The Principal	5	1 0	278	39·0	46·57	(162)	(135)
Llandwrog (Glynllivon Park)	Rt. Hon. Lord Newborough	5	1 0	100	44·7	47·98	..	..
d Llandwrog (Glynllivon Nursery)	Rt. Hon. Lord Newborough	5	1 0	90	..	47·07	..	..
d Llandwrog (Glynllivon Garden)	Rt. Hon. Lord Newborough	5	1 0	100	..	49·72	191	165
Llandwrog (Glynllivon Fort)	Rt. Hon. Lord Newborough	5	1 0	180	..	53·16	190	159
d Waenfawr Council School	D. R. Jones, Esq.	5	1 0	520	..	58·27	212	167
Carnarvon (Belan Fort)	Col. R. Vaughan Wynn	5	1 0	20	33·9	35·53	..	..
d Llanbeblig (Cefn Rhos)	Miss M. F. Preece	8	1 0	..	..	43·45	207	160
d Bethesda (Penrhyn Quarries)	General Manager	8	1 0	527	65·8	67·82	..	..
d Port Dinorwic (Vaynol)	Sir Michael Assheton-Smith, Bt.	5	0 8	..	..	44·05	181	150
d Bangor (Penrhyn Castle Gdns.)	Mr. J. Kneller	5	1 0	150	..	40·47	212	154
d ABER (University Coll. Farm)	Prof. R. G. White	5	1 0	60	..	42·75	195	154
d Llanfairfechan (School House)	The Surveyor, U.D.C.	5	1 0	120	37·9	40·76	178	148
d Penmaenmawr (Plas Uchaf)	R. W. Barnes, Esq.	5	1 2	470	..	41·14	181	152

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Average Rain-fall.	1939.		
			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.
CARNARVON—(con.).						in.		
4.—ERCH & C. 155 sq. mi.								
D Pwllheli (West End)	B. V. Howell, Esq.	8	1 3	9	..	45.10	191	155
W Pwllheli (Bodfean Hall)	Col. R. Vaughan Wynn	5	1 3	155	43.7	46.72	..	..
D Pwllheli (Bodfean Hall Gdns.)	Col. R. Vaughan Wynn	5	3 9	155	43.2	45.62	171	152
D Criccieth (Bron Eifion)	J. E. Greaves, Esq.	5	1 0	100	..	48.59	169	147
5.—GLASLYN. 50 sq. mi.								
D Portmadoc (Wern)	R. M. Greaves, Esq.	5	1 6	20	..	49.20	202	159
D Beddgelert (Co. School)	The Headmaster	5	1 2	133	..	90.24	189	164
Beddgelert (Hafod Ruffydd)	F. C. Best, Esq.	5	1 0	490	..	90.94	..	..
W Hafodtanygrais	Arnold White, Esq.	5	1 6	280	..	104.03	..	..
D Snowdon (Cwm Dyli) No. 11	N. Wales Power Co., Ltd.	5	1 0	310	117.9	126.76	227	204
M Snowdon (Cwm Dyli, Old Rd.) 14 (+A)	N. Wales Power Co., Ltd.	5	0 10	325	..	121.33	..	..
M Snowdon (Llewedd)	No. 2 N. Wales Power Co., Ltd.	5	1 3	1485	..	110.05	..	..
M Snowdon (Delta)	No. 7 N. Wales Power Co., Ltd.	5	1 0	1435	..	167.75	..	..
M Snowdon (Glaslyn)	No. 3 N. Wales Power Co., Ltd.	5	0 8	2050	..	147.30	..	..
M Snowdon (Teryn)	No. 1 N. Wales Power Co., Ltd.	5	1 0	1080	..	159.15	..	..
D Snowdon (Llydaw Intake) No. 10	N. Wales Power Co., Ltd.	5	1 0	1480	..	148.30	214	199
W Snowdon (L. Llydaw Copper M.) 9	N. Wales Power Co., Ltd.	5	1 5	1480	..	159.10	..	..
M Snowdon (Llyn Llydaw)	No. 5 N. Wales Power Co., Ltd.	5	1 0	1470	..	119.90	..	..
M Snowdon (Grib Goch)	No. 8 N. Wales Power Co., Ltd.	5	1 3	2340	..	161.30	..	..
ANGLESEY. (Area, 275 sq. mi.).								
D Bryn-siencyn (Trefarthen)	Miss E. Meyrick	5	1 0	30	..	38.29	179	145
Llangadwaladr (Bodorgan)	Sir George Meyrick, Bt.	5	1 0	100	37.5	38.07	170	142
Plas Cadnant	Major T. Fanning Evans	5	1 3	156	..	41.74	182	155
D Pen-y-Parc	Com. Sir R. Williams-Bulkeley, Bt., K.C.B.	5	1 6	372	..	44.55	184	150
D Llangefni (Glanaber)	M. Spencer Rogers, Esq.	8	1 2	70	..	40.69	172	148
d Llangefni (Fronheulog)	A. H. Withinshaw, Esq.	5	1 0	125	..	43.08	..	163
d Llansadwrn (Treffos)	C. Pantbn Vivian, Esq.	5	..	318	..	42.72	..	131
D Llangwlllog (Trescawen)	Mrs. Pritchard-Rayner	5	1 0	239	42.2	41.38	191	161
D Penmon (Tros-yr-afon)	R. R. M. Jones, Esq.	8	1 0	60	..	36.06	195	145
d Bodedern (Presaddfed)	Lt.-Col. W. A. Fox-Pitt	5	1 0	150	38.9	37.34	..	147
D HOLYHEAD (Salt Island)	(+A) Meteorological Office	8	1 0	26	34.9	33.64	184	145
D Llanerchymedd (Llwydiarth Esgob) E. Thomas, Esq.	E. Thomas, Esq.	5	1 0	175	38.1	39.71	178	152
d Lligwy	Lord Boston	5	1 0	170	..	39.86	..	..
Amlwch (Dyffryn Adda)	Major T. Fanning Evans	5	1 3	178	36.3	37.13	185	151
ISLE OF MAN. (Area, 227 sq. mi.)								
Douglas (S. Barrule Quarries)	Southern Water Bd.	5	1 0	1000	..	52.02	..	..
D DOUGLAS (Borough Cemetery)	The Borough Surveyor	8	1 0	284	41.2	37.84	188	150
D Douglas (Clype Res., Onchan)	T. C. Greenfield, Esq., C.E.	8	1 0	440	43.9	40.18	220	149
D West Baldwin Reservoir	T. C. Greenfield, Esq., C.E.	5	1 0	475	55.7	56.28	198	162
d Sulby Glen (Block Eary)	Northern Water Bd.	5	1 0	620	..	53.23	..	..
Maughold Head	Com'rs. of N. Lighth's	5	0 6	230	..	29.95	..	..
d Ramsey (Town Hall)	The Town Surveyor	8	13 0	25	43.8	40.17	..	..
D Ramsey (North Promenade)	The Town Surveyor	5	2 6	10	..	46.94	208	142
D POINT OF AYRE	Lightkeeper (M.O.)	8	1 0	30	..	28.66	174	133
CHANNEL ISLANDS. (Area, 76 sq. mi.).								
JERSEY. 45 sq. mi.								
D La Rocque (Sandhurst)	H. C. Bisson, Esq.*	5	1 6	10	..	24.79	178	130
D St. Saviour's (Petit Menage)	G. T. Robin, Esq.*	5	0 10	30	..	32.96	202	154

* Per R. Burrow, Esq.

DIVISION XI—MONMOUTH, WALES, AND THE ISLANDS—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
			Rim above Ground.	Ground above Sea Level.	Rain-fall.			
CHANNEL ISLANDS—(con.).			in.	ft. in.	ft. in.	in.		
JERSEY—(con.).								
D Grouville	E. A. Lomax, Esq.*	5	1 6	70	..	34.44	185	150
D St. Heliers (Harbour Office)	The Greffier	8	1 0	28	..	30.22	190	141
D St. Heliers (St. Louis Obs.)	Rev. Ch. Rey, S.J.*	8	1 5	180	30.4	31.75	196	141
D St. Brelade (La Sergenté)	W. Benest, Esq.*	5	1 4	194	..	32.09	195	151
D St. Aubins (Belle Vue)	C. J. Sumner, Esq.*	5	1 4	220	..	32.14	201	142
D St. Lawrence (Beaumont Marsh)	F. A. Laxen, Esq.*	5	1 0	60	..	32.43	166	139
D Millbrook (St. Helier W.W.)	R. Burrow, Esq.	5	0 11	53	..	32.38	182	138
D Handois Reservoir	R. Burrow, Esq.	5	1 0	272	..	37.37	200	150
D Trinity (States Exptl. Farm)	States of Jersey*	5	0 10	340	..	35.39	192	139
D St. John's (Mont Mado)	R. Burrow, Esq.	..	..	..	..	39.00	199	156
GUERNSEY. 25 sq. mi.								
D St. Martin's (Les Blanchés)	Mrs. B. T. Roswell	5	1 0	309	..	34.49	182	140
D St. Martin's (Hat Nez)	W. H. Morgan, Esq.	5	0 8	336	..	36.70	194	155
D Villiàze	W. H. Morgan, Esq.	5	0 6	302	..	37.03	192	153
D St. Peter Port (Grange Road)	States Met. Committee	5	1 0	175	33.2	37.61	205	148
D Castel (King's Mills)	W. H. Morgan, Esq.	5	2 0	47	..	35.39	176	142
D Rohais (Colborne Villa)	T. J. Guilbert, Esq., C.E.	5	1 0	116	..	34.42	182	143
D Menheniot Vineries	Major H. Roper	5	1 1	97	..	36.50	199	146
D Les Quartiers	A. Higgs, Esq.	5	1 2	40	..	33.25	183	136
D L'Islet (Grande Maison)	Mr. J. F. Roussel	5	1 0	25	..	34.57	199	146
D Vale (La Turquie Hill)	H. W. Smith, Esq.	5	0 11	40	..	29.57	190	140
SARK. 2 sq. mi.								
HERM. 1 sq. mi.								
D Herm	Sir Percival Perry	5	1 0	20	..	30.28	187	134
ALDERNEY. 3 sq. mi.								
D St. Annes	G. D. Drewitt, Esq.	5	1 6	235	..	34.65	168	129
RADNOR.								
1.—WYE—(Continued from p. 216).								
d Llanfihangel-nant-Melan	Mr. C. T. Edwards,***	5	1 0	982	..	43.81	(198)	(167)
d Llanddewi-Ystradenay	J. E. Price, Esq.**	5	1 0	767	..	38.54	..	..
d Llangunllo	D. Brickley, Esq.***	5	1 0	776	..	(49.12)	..	..
D St. Harmons	J. Hope, Esq.***	5	1 0	918	..	48.29	192	158
D St. Harmons (Bwlch-y-sarnaw)	Mr. J. Wozencroft***	5	1 0	1288	..	58.37	212	209
D Llanbadarn-fynydd	Mr. P. A. Stephens***	5	1 0	974	..	47.15	214	163
d St. Harmons (Pen-Ithor)	Mr. J. W. Evans**	5	1 0	1226	..	49.28	(203)	(174)

* Per R. Burrow, Esq.

** Per River Wye Catchment Board.

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

SCOTLAND.**DIVISION XII—SOUTHERN COUNTIES.**

		Rain-gauge				1939.		
STATIONS.	AUTHORITIES.	Diam.	Height of		Average Rain-fall.	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
			Rim above Ground.	Ground above Sea Level.				
WIGTOWN. (Area, 488 sq. mi.)		in.	ft.	in.	ft.	in.	in.	
1.—LOCH RYAN. 46 sq. mi.)								
d Castle Kennedy (Lochinch)	Earl of Stair	8	1	0	85	..	44.63	198 165
2.—WESTERN GALLOWAY, 44 sq. mi.								
d Logan House	K. McDouall, Esq.	8	1	0	80	37.3	37.45	218 161
Corsewall	Com'rs. of N. Lighthouses	8	4	1	48	..	35.02	185 149
3.—LUCE BAY. 186 sq. mi.								
d Whithorn (Physgill)	F. B. Hopkins, Esq.	5	1	0	170	36.4	31.59	189 135
d Whithorn (Glasserton)	Adm. Johnston Stewart, C.B.	5	1	0	225	39.5	34.36	180 145
d Port William (Monreith)	W. J. Milne, Esq.	5	1	0	145	38.5	36.20	153 125
Stoneykirk (Ardwell House)	Sir E. MacTaggart Stewart, Bt.	8	1	6	50	36.3	38.07	.. ..
d New Luce (Public School)	Alexander Girvan, Esq.	5	1	0	200	46.6	48.42	196 157
4.—CREE & WIGTOWN BAY. 212 sq. mi.								
d Garieston (Galloway Ho.)	P. H. Fletcher, Esq.	5	0	11	40	39.1	36.38	202 146
d Garieston (Culderry)	Capt. A. Walmsley	5	1	0	25	..	37.64	190 145
d Kirkcowan (Craiglaw)	Mr. A. Davis	5	1	0	300	48.3	50.35	204 180
d Newton Stewart (Little Barraer)	Brig.-Gen. G. M. P.	5	1	0	180	44.8	47.60	200 158
	Hawthorn, C.B.E., D.S.O.							
d Newton Stewart (Douglas Ewart High Sch.)	H. W. Geddie, Esq., M.A.	5	1	0	75	..	49.81	197 161
d Newton Stewart (Duncree)	Maj.-Gen. Sir Keith Stewart, K.C.B.	5	1	0	125	..	44.02	206 157
KIRKCUDBRIGHT. (Area, 902 sq. mi.)								
1.—DOON. 16 sq. mi.								
2.—CREE & WIGTOWN BAY. 222 sq. mi.								
d Borgue (Corseyard)	J. Douglas Brown, Esq.	5	1	0	20	39.8	30.22	.. ..
w Kirroughtree Forest	J. McK. Graham, Esq.	5	1	3	350	..	50.41	.. ..
3.—DEE. 377 sq. mi.								
d Tongland Power Station	Galloway Water Power Co.	5	1	0	69	..	43.89	.. 140
d Threave	Major C. L. Gordon	5	1	0	275	..	47.67	179 145
d Mossdale (Hensol)	Lady Charles Kennedy	8	1	0	200	51.7	50.82	218 169
d Mossdale (Barney Water)	Galloway Water Power Co.	5	1	0	240	..	57.42	.. 123
d Orchards	Galloway Water Power Co.	5	1	0	450	..	(66.97)	.. ..
d Clatteringshaws (Tunnel Intake)	Galloway Water Power Co.	5	1	0	600	70.5	67.66	232 172
d Craigencaillie	Galloway Water Power Co.	5	1	0	740	80.1	78.41	193 170
d Loch Dee	Galloway Water Power Co.	5	1	0	800	81.5	99.45	.. ..
d Dalry (GLENLEE)	Galloway Water Power Co.	5	1	0	181	..	56.06	212 162
d Dalry (Garroch)	Arthur Young, Esq.	8	1	0	250	59.7	59.63	208 170
d Dalry (Glendarroch)	Miss M. Barbour	5	2	0	190	54.5	49.99	213 168
d Backhill-of-the-Bush	Galloway Water Power Co.	5	1	0	890	80.7	77.37	213 179
d Dalry (Forrest Lodge)	Sir John Wood, Bart.	5	1	0	500	63.2	71.19	204 164
d Carsphairn (Carlins Cairn)	Galloway Water Power Co.	5	1	0	1250	91.8	74.15	.. ..
d Carsphairn (Shiel)	Mr. W. Ritchie	5	1	0	825	73.9	70.04	191 169
d Carsphairn (Fingland)	Galloway Water Power Co.	5	1	0	940	..	51.15	208 167
d Carsphairn (Knockgray)	Miss Clark Kennedy	8	1	0	641	56.0	55.89	227 179
d Carsphairn (Cornharrow)	Galloway Water Power Co.	5	1	0	810	..	54.26	196 163
d Carsphairn (Moorbrock)	Galloway Water Power Co.	5	0	9	1000	..	59.47	.. ..
d Carsphairn (Knockingarroch)	Galloway Water Power Co.	5	1	0	740	58.2	50.56	.. 107
d Carsphairn (Lorg)	Galloway Water Power Co.	5	1	0	960	..	79.08	.. 186
d Carsphairn Moor	Galloway Water Power Co.	5	1	0	790	65.6	68.19	(203) (166)
4.—URR & C. 196 sq. mi.								
d Auchencairn (Balcarry)	Miss K. M. Buchanan	5	1	0	41	..	45.06	183 138
d Auchencairn (Craigshall)	W. M. Thomson, Esq.	5	1	0	12	..	40.84	194 140
d Auchencairn (Torr House)	Thomas Owens, Esq.	5	1	0	50	47.1	44.56	.. ..
d Dalbeattie (Drumstinchall)	Mrs. Hanbury	8	0	11	400	46.1	47.95	176 150
d Castle Douglas (Corbieton)	Miss A. G. Biggar	5	0	9	175	..	44.01	187 151
d Chipperkyle	Lt.-Col. J. A. Pollok Morris	5	1	6	310	..	44.66	.. 150
5.—NITH & C. 91 sq. mi.								
d Lochrutton (Dumfries W.W.)	J. Smellie, Esq.	5	1	0	273	44.0	44.28	195 152
d Carruchan	Mrs. Clark-Maxwell	5	1	0	73	..	39.67	186 144
d Glenkiln Reservoir	J. Smellie, Esq.	5	1	0	450	..	51.05	191 158

DIVISION XII—SOUTHERN COUNTIES—(con.).

STATIONS	AUTHORITIES.	Diam.	Rain-gauge			Average Rain-fall.	1939.		
			Height of Rim above Ground.	Ground above Sea Level.	Rain-fall.		Days with .01 in. or more.	Days with .04 in. or more.	
DUMFRIES. (Area, 1,074 sq. mi.)			in.	ft.	in.	ft.	in.		
1.—CLYDE—Right Bank Tributaries. 5 sq. mi.									
2.—URR. 6 sq. mi.									
3.—NITH & C. 421 sq. mi.									
D RUTHWELL (Comlongon Cas.)	W. Brown for the Earl of Mansfield	5	1	0	67	35.5	32.30	165	133
D DUMFRIES (Crichton Roy. Inst.)	P. K. McCowan, Esq., M.D.	5	1	0	140	36.8	37.68	183	139
D Dunscore (Speddoch)	J. N. Clark-Maxwell, Esq.	5	1	0	310	..	48.97	173	152
D Blackwood	T. W. Kennedy, Esq.	5	1	6	100	41.1	48.47	213	177
D Moniaive (Glencrosh)	T. M. Macmillan, Esq.	5	1	4	400	51.0	53.80	196	159
D Maxwellton House	Lieut.-Col. Sir J. E. Laurie, Bt.	5	1	3	375	..	44.57	182	157
D Durrisdeer (Drumlanrig)	R. A. S. Ritchie, Esq.	5	0	9	191	43.6	49.57	218	171
4.—ANNAN. 367 sq. mi.									
D Eastriggs (Dornoch House)	C. W. Grieve, Esq.	5	0	6	50	..	30.37	168	140
D Dalton (Kirkwood)	Captain J. Steel	5	1	0	260	..	39.27	170	139
D Moffat (Auchen Castle)	Sir W. R. Younger, Bt.	5	1	0	506	..	53.47	213	159
D Moffat (Huntly Lodge)	W. R. Morton, Esq.	8	1	3	428	..	49.88	203	150
5.—ESK. 275 sq. mi.									
D Eaglesfield (Springkell Gdns.)	Col. Sir E. A. Johnson-Ferguson	5	1	0	303	41.3	38.98	177	141
D Canonbie (Irvine House)	Sir J. Milne Home	5	0	9	200	46.5	49.11	195	161
D Langholm (Ewes)	Mrs. Lyall	5	1	0	445	51.8	54.04	..	..
D ESKDALEMUIR Observatory	(+A) Meteorological Office	8	1	4	794	56.3	57.66	217	168
ROXBURGH. (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	..	29.87	230	140
3.—TWEED—Teviot & c. 431 sq. mi.									
D Hawick (WOLFLEE)	T. Lockie for Mrs. Browne	5	1	0	537	37.6	36.65	205	162
D Todshawhaugh	R. J. Usher, Esq.	5	1	0	450	..	32.59	199	152
D Denholm (Spital Tower)	J. G. Leadbetter, Esq.	5	0	9	410	32.7	28.89	222	171
D Jedburgh (Jedneuk)	Capt. John S. Aikman, M.C.	5	1	0	270	26.3	24.45	200	133
D Jedburgh (Crailing)	Major J. A. Paton	5	1	0	190	27.6	24.35	209	137
D Linton (Clifton Park)	T. R. B. Elliot, Esq.	5	1	0	250	..	28.52	220	138
D Melrose (Bowden, Kippilaw)	Mr. W. A. Henderson	5	1	1	500	..	30.44	207	154
4.—TWEED—Ettrick & c. 10 sq. mi.									
D Melrose (Asylum) gauge A	T. C. Mitchell, Esq.	5	0	6	480	31.4	27.42	218	145
D Melrose (Asylum) gauge B	T. C. Mitchell, Esq.	5	1	0	480	30.8	26.41	218	145
5.—TWEED—Gala. 6 sq. mi.									
6.—TWEED—Leader & c. 25 sq. mi.									
7.—TWEED, LOWER—Left Bank Tributaries. 25 sq. mi.									
D KELSO (BROOMLANDS)	J. C. Scott, Esq.	5	1	0	193	26.0	23.99	203	138
8.—ESK. 106 sq. mi.									
w Newcastleton Forest	Forestry Commission	5	1	0	700	48.5	52.73	..	..

DIVISION XIII—SOUTH-EASTERN COUNTIES.

SELKIRK. (Area, 268 sq. mi.).

1.—TWEED—Teviot & c. 34 sq. mi.									
D Selkirk (Whitmuir Hall)	Miss M. E. Maxwell	5	1	0	800	32.5	31.22	220	163

‡ Turf wall round gauge.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Average Rain-fall.	1939.		
			Height of Rim above Ground.	Ground above Sea Level.		Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
SELKIRK—(con.).								
		in.	ft.	in.	ft.	in.	in.	
2.—TWEED—Ettrick & c. 192 sq. mi.								
Ettrick Manse	Rev. W. Addison	5	1	2	787	55.6	54.56	211 164
Edin. W. W. (Meggat Head)	Edinburgh Water Engineer	8	1	6	1498	54.5	63.15	.. ..
3.—TWEED, UPPER—Right Bank Tributaries. 17 sq. mi.								
4.—TWEED, UPPER—Left Bank Tributaries. 19 sq. mi.								
Cadderfoot (Fairnielee)	Mr. A. Bruce	5	1	0	450	32.5	30.17	190 152
Galashiels (The Peel, Clovenfords)	Mr. A. Bruce	5	1	0	450	35.5	36.52	228 171
5.—TWEED—Gals. 6 sq. mi.								
PEEBLES. (Area, 348 sq. mi.)								
1.—TWEED, UPPER—Right Bank Tributaries. 127 sq. mi.								
Edin. W.W. (Ravensraig)	Edinburgh Water Engineer ..	8	1	6	2258	..	(82.12)	.. ..
Edin. W.W. (Gameshope Loch) 4	Edinburgh Water Engineer ..	8	1	6	1860	70.6	(70.11)	.. ..
Edin. W.W. (Loch Craig Head) 2	Edinburgh Water Engineer ..	8	1	6	2627	..	(71.32)	.. ..
Edin. W.W. (Gameshope Farm) 5	Edinburgh Water Engineer ..	8	1	6	1538	..	82.03	.. ..
Edin. W.W. (Talla Linns Foot) 6	Edinburgh Water Engineer ..	8	1	6	966	61.8	57.44	.. ..
Edin. W.W. (Quarter Hill)	Edinburgh Water Engineer ..	8	1	0	1198	..	(50.64)	.. ..
Edin. W.W. (Victoria Lodge) ..	Edinburgh Water Engineer ..	5	1	3	900	50.0	49.38	225 172
2.—TWEED, UPPER—Left Bank Tributaries. 192 sq. mi.								
Stobo Castle	H. Hughes, Esq.	5	1	0	594	..	34.37	205 158
West Linton (Woodlea Cottage) ..	Edinburgh Water Engineer ..	5	0	11	801	..	34.38	206 160
West LINTON (Cairnton)	Dr. R. Graham Yooll	5	1	0	820	..	36.26	193 169
West Linton (Baddingsgill Res.) ..	T. Aitken, Esq.	8	1	0	1100	..	41.84	243 178
3.—ESK. 23 sq. mi.								
Eddlestone (Portmore Res.)	Edinburgh Water Engineer ..	5	0	6	1000	35.2	33.59	240 164
Carlops (North Esk Res.)	J. Gilmour, Esq.	5	1	0	1150	39.5	40.81	228 179
4.—CLYDE—Right Bank Tributaries. 6 sq. mi.								
BERWICK. (Area, 457 sq. mi.)								
1.—TWEED—Gala. 6 sq. mi.								
2.—TWEED—Leader. 92 sq. mi.								
Earlston (Cowdenknowes)	T. A. Mole, Esq.	5	1	3	300	28.8	29.00	180 148
3.—TWEED, LOWER—Left Bank Tributaries. 115 sq. mi.								
Coldstream (Lochton)	H. A. Aitchison, Esq.	5	1	0	150	25.9	24.47	186 132
Swinton House	(+A) Rev. A. E. Swinton	5	1	0	200	26.4	24.99	204 137
Paxton (Tweedhill)	C. H. Brackenbury, Esq. ..	5	1	0	50	..	23.99	.. 129
4.—TWEED—Whiteadder. 164 sq. mi.								
MARCHMONT House	Capt. J. H. F. McEwen, M.P. 5	5	1	0	498	32.2	30.43	230 159
Duns (Nesbet House Gdns.)	Mr. W. Cowieson	5	1	0	290	26.8	28.77	223 145
Duns (Oxendean)	A. C. Fraser, Esq.	8	0	9	600	..	32.11	212 153
Duns Castle	Mrs. F. S. Hay	5	1	0	500	30.8	31.04	211 153
Duns (Manderston)	Mr. P. Dalgleish	5	2	6	356	30.7	29.58	248 146
Longformacus (Whitchester) W. J. Hart for Mrs. Andrew Smith 5	5	5	1	0	838	..	35.10	207 154
5.—EAST COAST STREAMS. 80 sq. mi.								
St. Abb's HEAD (Shore Sig. Stn.) ..	Chief Officer (M.O.)	8	1	0	270	..	26.30	201 133
Cockburnspath (Redheugh)	T. S. Dykes, Esq.	5	1	0	288	..	28.96	(207) (138)

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Average Rain-fall.	1939.			
			Height of			Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.	
			Rim above Ground.	Ground above Sea Level.					
EAST LoTHIAN. (Area, 267 sq. mi.)						in.			
1.—TWEED—Leader. 1 sq. mi.									
2.—TWEED—Whiteadder. 35 sq. mi.									
3.—EAST COAST STREAMS. 69 sq. mi.									
M Garvald (Donolly Reservoir)	A. Robertson, Esq., C.E.	5	1	0	550	32.8	33.22	..	..
M Garvald (Thornter Reservoir)	A. Robertson, Esq., C.E.	5	1	0	725	..	34.33	..	..
D Haddington (Beech Hill)	Mr. F. McRitchie	5	1	0	413	..	29.99	187	151
D Broxmouth	J. Easson, Esq.	4	1	0	50	..	23.42	186	125
D DUNBAR (Public Park)	Burgh Surveyor	5	1	0	75	..	23.03	193	130
4.—TYNE & C. 114 sq. mi.									
D Lammermuir H. (West Hopes)	J. Ross, Esq.	5	1	0	736	34.4	39.71	210	164
W Lammermuir H. (Stobshiel Res.)	B. J. Ross, Esq.	5	1	0	950	33.0	34.33	..	..
W Lammermuir H. (Stobshiel Res.)	A. J. Ross, Esq.	5	1	0	998	28.1	31.06	..	..
W Lammermuir H. (Lammerloch Res.)	J. Ross, Esq.	5	1	0	900	..	34.32	..	..
5.—FIRTH OF FORTH. 48 sq. mi.									
D Longniddry (Eventyr)	Miss E. M. MacGregor	5	1	5	20	..	22.31	172	120
D East Fortune Sanatorium	The Clerk of Works	5	1	4	101	23.5	22.64	..	118
D Dirlerton	James Curr, Esq.	5	1	0	149	..	21.94	210	121
D North Berwick Reservoir	A. Robertson, Esq., C.E.	5	1	0	150	25.4	21.21	191	121
D NORTH BERWICK (Gas Works)	The Town Council	5	1	0	118	24.1	21.11	188	124
6.—INSULAR.									
MIDLoTHIAN. (Area, 369 sq. mi.)									
1.—TWEED—Gala. 68 sq. mi.									
D Stow (Cragdale)	A. H. Fairgrieve, Esq.	5	0	6	642	33.0	34.35	226	156
2.—TYNE. 28 sq. mi.									
D Oxenfoord Castle Gardens	Mr. D. M. Welsh	5	1	6	409	27.4	24.18	191	128
3.—FIRTH OF FORTH. 3 sq. mi.									
4.—ESK. 116 sq. mi.									
M Moorfoot Hills (Bowbate), old g.	Edinburgh Water Engineer	8	1	0	1260	46.6	42.10	..	..
M Moorfoot Hills (Bowgate), new g.	Edinburgh Water Engineer	8	1	0	1260	..	43.15	..	..
D Moorfoot Hills (Gladhouse Res.)	Edinburgh Water Engineer	5	0	6	915	35.3	33.58	224	166
D Moorfoot Hills (Rosebery)	Edinburgh Water Engineer	5	0	6	750	32.1	29.59	213	150
D Moorfoot Hills (Edgelaw)	Edinburgh Water Engineer	5	0	6	654	31.9	26.67	192	137
D Gorebridge	W. S. B. Brown, Esq.	5	1	0	560	29.3	28.44	204	139
M Pentland Hills (Harehill)	Edinburgh Water Engineer	5	1	2	1297	42.0	34.05	..	..
D Pentland Hills (Martyrs Cross)	Edinburgh Water Engineer	5	1	0	750	35.5	34.22	217	165
D Pentland Hills (Loganlea)	Edinburgh Water Engineer	5	1	0	811	38.5	33.86	204	157
D Pentland Hills (Glencorse Fil.)	Edinburgh Water Engineer	5	0	11	638	35.0	32.47	198	149
D Pentland Hills (Glen Cottage)	Edinburgh Water Engineer	5	1	3	739	38.6	33.77	201	159
D Newbattle (Public School)	C. D. Walinck, Esq.	5	1	0	300	25.7	22.57	164	117
5.—ALMOND & C. 153 sq. mi.									
D Pentland Hills (Crosswood)	Edinburgh Water Engineer	5	0	10	950	39.5	35.28	228	163
D Pentland Hills (Harperrig)	Edinburgh Water Engineer	5	1	0	900	38.8	35.16	207	155
D Pentland Hills (Morton)	Edinburgh Water Engineer	5	1	0	749	37.4	33.96	..	..
D West Calder (Addiewell)	Scottish Oils, Ltd.	12	21	0	620	35.7	36.63	..	..
D BOGHALL	(+A) Edin. & E. of S. Coll. of Ag.	8	1	0	639	33.1	29.16	205	152
D BALERNO (Shothed)	A. D. Buchanan Smith, Esq.	5	1	0	750	..	34.08	196	153
D Pentland Hills (Harlaw Res.)	Edinburgh Water Engineer	5	1	0	800	33.4	26.44	190	142
M Pentland Hills (Bonaly Res.)	Edinburgh Water Engineer	11	0	8	1112	38.0	27.82	..	..
D Pentland Hills (Clubbiedean Res.)	Edinburgh Water Engineer	5	1	0	773	30.4	28.44	205	152
M Pentland Hills (Swanston)	Edinburgh Water Engineer	11	1	0	550	31.6	26.04	..	..
D Pentland Hills (Fairmilehead)	Edinburgh Water Engineer	5	1	0	590	30.8	26.20	213	139

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Average Rain-fall.	1939.		
			Height of Rim above Ground: Sea Level.	Ground above Sea Level.		Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
MIDLOTHIAN—(con.)						in.		
5.—ALMOND & C.—(con.)								
D Liberton (Alnwick Hill)	Edinburgh Water Engineer.	5	1 0	407	28.5	23.56	190	129
Liberton (Hawkhead Grove)	G. M. Stuart, Esq.	5	1 0	400	..	24.54	..	..
D Colinton (Firhill Tank)	Edinburgh Water Engineer.	5	0 10	412	29.0	21.72	210	136
D LIBERTON (College Farm)	Edin. & E. of S. Coll. of Ag. ...	5	1 0	190	27.7	24.74	201	140
D Liberton (The Inch)	Gen. Sir Robert Gilmour, Bt. .	5	1 0	60	..	24.29	180	144
D EDINBURGH (BLACKFORD HILL). The Astronomer Royal for Scot. .	8	1 0	441	26.3	22.22	207	132	..
D EDINBURGH (UNIV. KING'S B.) The late Prof. Sir T. Hudson Beare .	5	1 0	225	..	21.86	196	130	..
D Edinburgh (Gogar Park)	Mrs. Robert Cross	5	1 0	155	..	25.66	188	139
D Edinburgh (Napier Road)	Mrs. H. G. Harrison	5	1 0	300	26.2	23.21	217	133
D Edinburgh (Corstorphine)	Miss D. I. Laughton	5	0 8	180	..	24.56	181	130
D Edinburgh (The Academy)	W. P. D. Wightman, Esq., Ph.D. .	5	1 0	70	25.9	20.85	..	..
D Edinburgh (St. Roque)	J. McMichar, Esq.	5	0 10	270	27.7	22.02	189	129
D Edinburgh (Royal Botanic Gd.) . .	Prof. Sir W. Wright-Smith . .	5	1 0	74	26.5	21.61	193	127
D Davidson's Mains (Easter Park) . .	J. W. Younger, Esq.	5	1 0	200	..	24.35	199	141
D Edinburgh (Granton)	F. Macpherson, Esq.	5	1 0	75	..	21.90	..	..
6.—CLYDE—Right Bank Tributaries. 1 sq. mi.								
WEST LOTHIAN. (Area, 120 sq. mi.)								
1.—ALMOND & C. 60 sq. mi.								
M Uphall.	No. 7. Edinburgh Water Engineer .	8	1 4	646	..	34.27	..	..
M Uphall.	No. 8. Edinburgh Water Engineer .	8	1 4	577	32.7	33.89	..	..
M Uphall.	No. 6. Edinburgh Water Engineer .	8	1 4	680	31.9	33.75	..	..
M Uphall.	No. 3. Edinburgh Water Engineer .	8	1 2	711	32.2	33.95	..	..
D Uphall.	Scottish Oils, Ltd.	8	0 10	380	31.4	32.47	173	144
D Uphall (Houstoun House)	J. W. Shairp, Esq.	5	1 0	420	..	32.85	199	155
Winchburgh (Hopetown Oil Wks.) . .	Scottish Oils, Ltd.	8	2 2	327	33.3	29.57	..	..
D Dalmeny House	The Earl of Rosebery	5	1 0	50	25.9	26.90	172	150
2.—FORTH—Right Bank Tributaries. 59 sq. mi.								
D Armadale Sewage Works	J. MacIure, Esq.	5	0 9	600	..	35.84	187	154
D Bathgate (Petershill Filters)	A. L. Reid, Esq.	5	0 9	640	33.2	36.66	197	159
M Torphichen (Lochcote)	Wm. Beattie, Esq.	5	0 9	550	33.5	34.42	..	..
D Uphall (Beecraigs)	Edinburgh Water Engineer .	5	1 0	531	32.6	35.00	203	164
M Carriber Reservoir	Wm. Beattie, Esq.	5	0 9	350	33.1	33.10	..	..
D Linlithgow (Grange)	Miss Mowbray Cadell	5	0 9	430	30.2	30.61	200	148
D Linlithgow (Preston House)	Mr. J. Hay	5	1 0	380	32.6	29.27	188	144
3.—CLYDE.—Right Bank Tributaries. 1 sq. mi.								

DIVISION XIV—SOUTH-WESTERN COUNTIES.

LANARK. (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 Res.)	T. Aitken, Esq.	5	1 0	722	37.1	37.11	183	164
4.—CLYDE—Right Bank Tributaries. 378 sq. mi.								
D Crawford (Camps Res.)	Percy J. Robinson, Esq.	11	0 10	969	44.9	42.67	216	171
D Crawford (Camps Res.)	(+A). Percy J. Robinson, Esq. . .	5	0 10	969	43.8	41.83	216	168
D Crawford (Camps Res.)	No. 3. Percy J. Robinson, Esq. . .	11	0 10	969	..	43.11	216	171
D Coulter Reservoir <i>New g.</i>	L. Costley, Esq., C.E.	5	1 0	1250	..	47.01	..	..
D Lamington (Cowgill Reservoir)	J. Chisholm, Esq., C.E.	5	1 0	1012	42.4	36.51	..	..
D Biggar (Shieldhill)	Miss Dunlop	5	1 0	850	31.5	30.95	231	170
D Lamington House	Rt. Hon. Lord Lamington . . .	5	1 0	730	36.9	38.36	208	164
D Carluke (Coldstream Res.) <i>new g.</i>	L. Costley, Esq., C.E.	5	1 0	800	..	28.83	205	154
D Carluke	J. Barr, Esq.	5	0 5	640	..	29.47	..	..
D CARLUKE (Law Junction)	Dr. W. A. Galbraith	5	1 0	534	..	27.90	182	139
D Carluke (Springfield Reservoir)	L. Costley, Esq., C.E.	5	1 0	860	..	32.30	..	..
D Carluke (Gair Reservoir)	L. Costley, Esq., C.E.	5	1 0	665	..	29.25	190	141
D Wishaw (Kirk Road)	J. Y. Scott, Esq.	6	1 0	480	32.1	(29.89)	..	..
D Wishaw (Coronation Street)	A. Hinshelwood, Esq.	5	1 3	510	..	29.11	..	..
D Glasgow (Tollcross Park)	W. Besant, Esq.	5	0 6	85	37.4	36.04	197	149

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

STATIONS.	AUTHORITIES.	Diam	Rain-gauge		Average	1939.		
			Height of	Ground		Rain-fall.	Days with	Days with
			Rim above	above	Rain-fall.		·01 in. or more.	·04 in. or more.
			Ground.	Sea Level.				
LANARK—(con.).								
		in.	ft. in.	ft.	in.	in.		
4.—CLYDE—Right Bank Tributaries—(con.).								
d Glasgow Green.....	W. Besant, Esq.	5	0 6	35	36·0	36·44	..	156
d Glasgow (Alexandra Park).....	W. Besant, Esq.	5	0 6	141	36·0	37·86	198	151
d Glasgow (Riddrie).....	K. M. Topping, Esq., B.Sc.	5	1 0	256	36·4	38·63	..	..
d Glasgow (Botanic Gardens).....	W. Besant, Esq.	5	0 6	110	34·7	35·68	200	148
d Glasgow (Kelvingrove Park).....	W. Besant, Esq.	5	0 6	48	36·1	35·63	189	153
d Glasgow (Victoria Park).....	W. Besant, Esq.	5	0 6	30	36·1	36·15	..	149
d Glasgow (Ruchill Park).....	W. Besant, Esq.	5	0 6	222	36·0	37·69	204	144
d GLASGOW (SPRINGBURN PARK).....	W. Besant, Esq.	5	0 6	351	36·9	38·41	212	160
m Clarkston (Roughrigg Res.).....	J. Chisholm, Esq., C.E.	5	1 0	664	35·8	36·21	..	..
d Coatbridge (Blairhill St.).....	S. Lauder, Esq.	5	1 0	290	..	(34·16)	(182)	(145)
d Coatbridge (Dunbeth Public Park).....	S. Lauder, Esq.	5	1 0	325	..	(34·59)	(178)	(145)
d Airdrie (Broomknoll Street).....	J. Chisholm, Esq., C.E.	5	1 0	402	35·0	32·87	180	141
d Gartcosh (Gartloch Hospital).....	Mr. Donald McMillan	5	1 0	291	37·8	36·29	189	147
d Caldercruix (Hillend Res.).....	Mr. Boyd Drummond	5	3 0	620	37·3	35·76	..	133
d Chryston School House.....	W. V. Forrest, Esq.	5	1 0	298	..	39·31	192	147
5.—CLYDE—Left Bank Tributaries. 448 sq. mi.								
d Elvanfoot (Peden Res.).....	L. Costley, Esq., C.E.	5	1 0	964	..	69·65	..	161
d Douglas (Monksfoot).....	T. Steele, Esq.	5	1 0	780	..	46·98	203	167
d Douglas (Newmains).....	The Earl of Home	8	1 4	780	..	37·54	201	164
d Strathaven (Glengavel Res.).....	Percy J. Robinson, Esq., C.E.	5	1 0	839	47·6	49·23	218	168
d Symington (Birkwood).....	Col. D. E. Brand, D.S.O.	5	1 6	725	..	32·40	194	148
d Strathaven (DUNGAVEL).....	A. K. Foulis, for the Duke of Hamilton & Brandon	5	1 0	798	43·9	41·72	193	160
d Strathaven (Dunside Res.).....	Percy J. Robinson, Esq., C.E.	5	0 10	1010	46·4	47·34	220	164
d Strathaven (Dunside Res.), new site	Percy J. Robinson, Esq., C.E.	5	0 10	1002	48·4	48·78	220	164
d Strathaven (Kype Res.).....	George Allison, Esq.	5	1 0	941	46·6	50·34	201	167
w Lesmahagow (Auchtyfardle).....	Mrs. Lauder	5	1 0	578	35·3	33·77	..	..
d Strathaven (East Overton Ho.).....	Mrs. H. Lee Dykes	5	1 0	700	42·4	42·66	175	155
d Stonehouse (Sanatorium).....	W. A. Chapman, Esq.	5	0 7	526	36·6	33·59	190	151
d Stonehouse (Glassford Filters).....	Percy J. Robinson, Esq., C.E.	5	0 9	775	39·8	42·47	207	164
d Hamilton W.W. (Townhill).....	George Allison, Esq.	5	1 0	430	35·6	35·03	181	145
d Hamilton (Wellhall Road).....	S. B. Becket, Esq.	5	1 6	234	34·4	34·16	179	135
d Hamilton (Woodlea).....	W. Fletcher, Esq.	5	1 4	192	..	34·90	186	142
d Carmunnock (Carnbooth).....	R. Robertson, Esq., D.L., LL.D.	5	1 0	365	39·8	39·36	195	153
d Cambuslang (Greenlees Filters).....	Percy J. Robinson, Esq., C.E.	5	1 0	322	36·3	36·75	198	152
d Glasgow (Dumbreck).....	W. Gillies, Esq., L.L.B.	5	1 0	76	36·5	36·57	197	151
d Glasgow (Bellahouston Park).....	W. Besant, Esq.	5	0 6	80	34·6	39·71	199	159
d Glasgow (Elder Park).....	W. Besant, Esq.	5	0 6	25	37·0	40·22	199	156
6.—IRVINE. 2 sq. mi.								
7.—AYR. 1 sq. mi.								
8.—NITH. 2 sq. mi.								
9.—ANNAN. 7 sq. mi.								
AYR. (Area, 1,135 sq. mi.)								
1.—CLYDE—Left Bank Tributaries. 7 sq. mi.								
d Glengarnock (Chemical Works).....	Messrs. Colvilles, Ltd.	8	15 0	105	54·4	49·12	182	151
2.—FIRTH OF CLYDE. 60 sq. mi.								
d Ardrossan (Burnfoot).....	J. C. Duncan, Esq., C.E.	5	1 0	63	..	42·28	198	148
d Stevenston (Greenhead Filters).....	W. G. Guild, Esq.	5	1 0	186	41·6	44·76	180	143
d Ardrossan (Busbie Res.).....	J. C. Duncan, Esq., C.E.	5	1 0	370	..	48·40	..	..
d West Kilbride (Crosbie Res.).....	W. Gray, Esq.	5	1 0	400	..	43·44	..	..
d West Kilbride (Hunterston).....	Lt.-Gen. Sir A. Hunter-Weston, K.C.B.	5	1 0	40	42·4	46·60	197	154
d Fairlie (Southannan).....	H. W. Rowe, Esq.	5	1 0	20	..	49·85	196	163
d Fairlie (Water Works).....	W. Gray, Esq.	5	1 0	270	..	53·48	..	..
d Largs (Stevenson Institute).....	G. Arkieson, Esq.	5	1 0	20	..	51·21	193	156

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average	Rain-fall.	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.		
AYR—(con.).									
2.—FIRTH OF CLYDE—(con.).									
D Largs (Woodbank)	A. Simpson, Esq.	5	1	0	25	..	48.31	203	157
D Largs (South Routenburn)	A. K. Gordon, Esq.	5	1	0	150	..	46.53	197	157
D Largs (Noddsdale)	J. M. Robertson, Esq.	5	1	0	250	..	55.48	212	161
D Largs (Middleton Filters)	G. Arkieson, Esq.	5	1	0	230	..	51.34	202	158
D Skelmorlie (West Park)	J. P. de M. Wilkins, Esq.	5	1	6	150	53.5	52.80	211	167
Shaws W.W. (Knockencorsan)	J. MacAlister, Esq., C.E.	5	1	0	1040	..	65.50	..	..
Shaws W.W. (Largs Road)	J. MacAlister, Esq., C.E.	5	1	0	910	57.0	68.50	..	..
3.—IRVINE & C. 296 sq. mi.									
D AYR (Heathfield)	Medical Officer of Health	5	1	0	43	..	28.26	171	151
D PRESTWICK	Burgh Surveyor	5	1	0	17	..	31.38	180	135
D Prestwick (Ladykirk Filters)	F. Pritty, Esq., C.E.	6	1	0	185	..	34.32	194	152
D TROON	The Town Council (M. S. Brodie, Esq.)	5	1	0	15	..	36.15	172	135
D Symington	T. McMillan, Esq., M.A.	5	1	0	290	..	35.61	(186)	(154)
D Hurlford (Carnell)	G. D. Findlay Hamilton, Esq.	5	1	0	300	..	36.92	181	158
D Troon (Collenan Reservoir)	The Town Council (M. S. Brodie, Esq.)	5	1	0	203	..	36.53	..	..
D Treesbank	Mr. A. B. Stewart	5	1	0	150	..	39.81	191	152
D Irvine (Gailes)	H. W. Aitken, Esq.	5	1	0	12	35.9	41.37	190	144
D Cessnock Castle	J. Harling Turner, Esq.	5	1	0	275	..	40.15	192	151
D Newmilns (Lanfine)	D. Wardhaugh, Esq.	5	1	6	500	..	44.04	192	149
D Kilmarnock (Craig House)	Mrs. Pollok Morris	5	1	0	70	..	41.49	..	154
D Kilmarnock (The Mount)	J. L. Lawson, Esq.	5	0	9	100	..	40.37	229	156
D Templetonburn	R. Torrance, Esq.	5	1	0	140	..	39.57	197	154
D Darvel (Kirkland Park)	W. Dunbar, Esq.	5	1	0	350	..	41.18	175	149
Raithhill	W. Dunbar, Esq.	5	1	0	640	..	54.94	..	..
D KILMARNOCK (Kay Park)	(+A) W. Dunbar, Esq.	5	4	0	132	..	39.02	197	144
D Kilmarnock (Dean Castle)	W. Dunbar, Esq.	5	1	0	190	40.7	42.55	195	157
D Irvine (Cunninghame Home)	The Governor	5	1	0	24	..	40.06	191	144
D Kilmarnock (North Craig Res.)	W. Dunbar, Esq.	5	1	0	319	41.2	43.87	187	152
D Montgreenan Gardens	A. Dow, Esq.	5	0	9	180	..	45.93	188	164
D Fenwick (Whiteliehill)	W. Dunbar, Esq.	5	1	0	915	..	48.27	..	..
D Fenwick (Hareshawmuir)	W. Dunbar, Esq.	5	1	0	600	48.5	48.18	177	152
D Croilburn	W. Dunbar, Esq.	5	1	0	725	..	48.87	..	..
D Blair (Amlaird Filters)	W. Dunbar, Esq.	5	1	0	590	43.3	47.99	195	154
D Craigendunton Reservoir	W. Dunbar, Esq.	5	1	0	805	46.4	52.49	..	..
D Loch Goin Reservoir	W. Dunbar, Esq.	5	1	0	865	49.4	45.25	..	..
D Blair Gardens	W. Dunbar, Esq.	5	1	0	155	..	50.92	177	154
D Moor Farm	W. Dunbar, Esq.	5	1	0	810	..	52.94	..	..
D Stewarton Filters	C. Mc. L. Bodie, Esq.	5	1	6	515	..	46.82	190	154
D Dalry (Munnoch Reservoir)	W. G. Guild, Esq.	5	1	0	325	47.9	51.53	206	163
D Dalry (Caaf Reservoir)	W. G. Guild, Esq.	5	1	3	515	53.2	59.13	208	164
D Dalry (Birkheadsteel)	W. G. Guild, Esq.	5	1	3	520	..	57.89	209	165
D Dalry W.W. (Filters)	W. Gray, Esq.	5	1	0	320	46.5	59.40	198	165
D Dalry (Templand)	A. Shanks, Esq.	5	1	0	154	..	51.46	199	156
D Dalry W.W. (Thirdpart)	W. Gray, Esq.	5	1	0	560	52.0	55.67	..	..
D Dalry (Knockendon)	W. G. Guild, Esq.	5	1	0	750	..	59.82	..	..
D Dalry (Bradshaw)	W. G. Guild, Esq.	5	1	0	1050	..	57.72	..	..
D Dalry (Haining)	F. Stewart, Esq., C.E.	5	1	0	895	..	70.43	..	..
D Dalry (Campbell Reservoir)	F. Stewart, Esq., C.E.	5	1	0	611	..	69.35	..	..
D Dalry (Catburn)	F. Stewart, Esq., C.E.	5	1	0	1013	..	71.56	..	..
D Dalry (Whitehill)	F. Stewart, Esq., C.E.	5	1	0	628	..	(70.17)	..	..
D Dalry (Routdane Burn)	F. Stewart, Esq., C.E.	5	1	0	1044	..	69.58	..	..
D Dalry (Blairpark)	F. Stewart, Esq., C.E.	5	1	0	722	..	(68.00)	..	..
D Dalry (Rye Water)	F. Stewart, Esq., C.E.	5	1	0	1032	..	(69.10)	..	..
D Beith (Filter Station)	W. Gray, Esq.	5	1	0	412	53.7	51.87	198	156
D Kilbirnie (Hole House Filters)	W. Gray, Esq.	5	1	0	377	..	68.47	218	186
D Kilbirnie (Pundeavon Res.)	W. Gray, Esq.	11	1	0	898	..	80.10	..	..
4.—AYR. 222 sq. mi.									
D Ayr Cemetery	Thomas O'Beirne, Esq., C.E.	5	1	0	40	34.8	29.22	..	..
D AUCHINCRAIG	W. Scotland Agric. Coll.	8	1	0	89	..	32.65	188	138
D Montgomerie	E. S. Arthur, Esq.	5	1	2	340	..	37.57	188	146
D Muirkirk (Kaimshill)	A. B. Thomson, Esq.	5	1	6	750	43.4	39.55	193	150
D Mauchline (Hillhead Tank)	W. Gray, Esq.	5	1	0	564	..	37.10	183	138
D Sorn (Blackside Water Tank)	W. Gray, Esq.	5	1	0	840	..	42.01	..	..

* Per W. Dunbar, Esq.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain-fall.	1939.		
			Rim above Ground.	Height of Ground above Sea Level.			Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
AYR—(con.).									
5.—DOON. 119 sq. mi.									
d Tunskeen	Galloway Water Power Co. .	5	1 0	1010	..	70·89	..	186	
Loch Recawr	Thomas O'Beirne, Esq., C.E.	5	1 0	933	..	71·40	..	..
Loch Finlas	Thomas O'Beirne, Esq., C.E.	5	1 0	849	55·1	54·73	..	..
d Dalmellington (Mossdale Filters) ..	W. Gray, Esq.	5	1 0	752	..	52·40	221	172	
d Dunaskin (Ardoon)	Messrs. Bairds & Dalmellington Ltd.	5	1 0	686	..	43·00	204	164	
d Patna (Kerse Filters), <i>new g.</i>	W. Gray, Esq.	5	1 0	741	..	43·11	184	158	
d Maybole (Otterden)	Robert Combe, Esq.	5	1 3	314	..	40·87	199	146	
Dalrymple (Knockjarder W.W.) ..	Thomas O'Beirne, Esq., C.E.	5	1 0	287	..	36·19	..	..
d Ayr (Doonholm)	Col. N. Kennedy, D.S.O. .	5	1 0	90	38·8	38·56	206	149	
d Alloway (Doonside)	Mr. R. McLeod	5	1 6	99	..	39·45	198	143	
6.—CULZEAN BAY & C. 32 sq. mi.									
d Maybole (Culzean Castle Gdns.) ..	Mr. W. J. Orr	8	1 3	138	36·4	35·61	176	127	
7.—GIRVAN. 105 sq. mi.									
d Girvan (Glendoune Gardens)	Mr. J. Melbourne	5	1 0	100	41·8	36·59	200	161	
Loch Bradan	M. S. Brodie, Esq.	11	0 10	990	57·6	55·05	..	..
d Dailly (Capelrig Cottage)	J. Simons, Esq.	5	0 9	120	..	40·20	181	161	
8.—STINCHAR & C. 155 sq. mi.									
d Glenapp Castle Gardens	Mr. John R. MacDonald ..	5	0 7	300	..	38·86	195	156	
d Ballantrae (Windyknoxe) ..	Capt. J. Mc. I. Borland, C.B., D.S.O.	5	1 0	62	..	35·84	190	150	
d COLMONELL (Knockdolian) ..	D. D. Gordon for Maj. D. McConnell	5	1 0	170	44·8	37·39	188	141	
d Pinwherry (Alticane)	D. I. W. Gray, Esq.	5	1 0	200	51·4	46·94	195	157	
d Girvan (Pinnmore)	Major E. C. Maxwell	5	0 5	207	49·8	41·39	208	158	
d Barr (Alton Albany)	Lt.-Cdr. G. Hughes-Onslow, D.S.C.	5	1 6	330	..	42·83	(200)	(161)	
9.—LOCH RYAN. 12 sq. mi.									
10.—LUCE BAY. 15 sq. mi.									
d Ballantrae (Lagafater Lodge)	Cedric R. Boulton, Esq.	5	0 11	792	64·8	54·25	..	175	
11.—CREE. 40 sq. mi.									
12.—DEE. 9 sq. mi.									
13.—NITH. 62 sq. mi.									
Afton Res. (Afton Water)	W. Gray, Esq.	5	1 0	1525	..	81·10	..	..
Afton Res. (Alwhat Burn)	W. Gray, Esq.	5	1 0	1435	..	86·30	..	..
Afton Res. (Montraw Burn)	W. Gray, Esq.	5	1 0	1554	83·3	81·10	..	..
Afton Res. (Montraw)	W. Gray, Esq.	5	1 0	1372	83·9	79·90	..	..
Afton Res. (Green Burn)	W. Gray, Esq.	5	1 0	1415	..	86·60	..	..
d Afton Res. (Filters)	W. Gray, Esq.	5	1 0	1361	84·7	79·27	233	186	
d Glen Afton (Ayr Sanatorium)	Dr. Wm. A. Murray	5	1 0	833	53·2	56·04	196	162	
d New Cumnock (Power Stn.)	New Cumnock Collieries, Ltd.	5	1 0	764	55·8	43·41	172	142	
14.—INSULAR. 1 sq. mi.									
Ailsa Craig	Com'rs. of N. Lighthouses ..	5	1 0	35	27·0	28·89	..	..
RENFREW. (Area, 241 sq. mi.).									
1.—CLYDE—Right Bank Tributaries. 3 sq. mi.									
2.—CLYDE—Left Bank Tributaries. 194 sq. mi.									
Eaglesham (Dunwan Res.) ..	No. 3 G. T. Frew, Esq.	5	1 0	822	..	52·95	..	..
Eaglesham (Dunwan Res.) ..	No. 4 G. T. Frew, Esq.	5	1 0	841	..	53·10	..	..
w Eaglesham (Dunwan Res.) ..	No. 2 G. T. Frew, Esq.	5	1 0	820	..	49·92	..	..
w Eaglesham (Picketlaw Res.) ..	No. 1 G. T. Frew, Esq.	5	1 0	690	..	47·84	..	..
Gorbals Dist. W.W. (Waulk Glen) ..	J. Cochrane, Esq., C.E.	12	0 5	280	47·2	43·10	..	..
Paisley W. W. (Muirhead)	F. Stewart, Esq., C.E.	5	1 0	482	53·9	53·36	..	..
Paisley W. W. (Springside)	F. Stewart, Esq., C.E.	5	1 0	532	59·1	50·77	..	..
Paisley W. W. (Back Thornlymuir) ..	F. Stewart, Esq., C.E.	12	1 0	646	50·9	52·96	..	..
Paisley W. W. (Stanely)	F. Stewart, Esq., C.E.	5	1 0	190	..	45·69	..	..
d Howwood (Midton House)	A. D. McNab, Esq.	5	1 3	232	56·9	52·65	179	157	
d Pollokshaws (Rouken Glen)	W. Besant, Esq.	5	0 6	155	43·2	38·96	190	140	
d Glasgow The Linn Park)	W. Besant, Esq.	5	1 0	180	33·8	37·59	..	162	

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.			
			Height of		Average Rain-fall.	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.		
			Rim above Ground.	Ground above Sea Level.						
RENFREW—(con.).			in.	ft.	in.	ft.	in.	in.		
2.—CLYDE—Left Bank Tributaries—(con.).										
d Pollokshaws (Pollok House)	Sir J. Stirling Maxwell, Bt.	5	1	0	50	36.5	35.87	194	139	
d Glasgow (Queen's Park)	W. Besant, Esq.	8	0	9	150	36.1	40.77	227	157	
d Glasgow (Maxwell Park)	W. Besant, Esq.	5	0	6	69	35.7	34.32	199	148	
d Lochwinnoch (Kaim Dam)	D. Mellor, Esq.	8	1	0	616	..	71.96	211	175	
d Kilbarchan (Glentyan)	J. H. Hunter, Esq., J.P.	5	1	1	300	52.6	59.12	215	165	
d Lochwinnoch (Muirshiel)	Lord Howard of Glossop	5	1	6	775	..	83.43	215	192	
d PAISLEY (Coats Observatory)	Obs. Com. (J. Woodrow)	8	1	0	106	40.7	40.95	190	148	
d Shaws W.W. (Duchal Moor)	J. MacAlister, Esq., C.E.	5	1	0	1150	..	80.90	..	..
d Shaws W.W. (Creuch Hill)	J. MacAlister, Esq., C.E.	5	1	0	1350	..	71.60	..	..
d Shaws W.W. (Green Water)	J. MacAlister, Esq., C.E.	5	1	0	788	68.1	71.00	..	..
d KENFREW (ABBOTSINCH) (+A)	Meteorological Office	8	1	0	19	37.0	38.89	197	146	
d Kilmacoll W.W.	James Grier, Esq.	5	1	0	600	..	59.79	219	168	
d Kilmacoll Village	James Grier, Esq.	5	1	0	300	51.7	53.58	214	159	
d Shaws W.W. (Gryfe Reservoir)	J. MacAlister, Esq., C.E.	5	1	0	640	64.0	63.90	215	168	
d Shaws W.W. (Mansfield)	J. MacAlister, Esq., C.E.	5	1	0	573	65.2	60.45	206	165	
d Shaws W.W. (Darndaff Moor)	J. MacAlister, Esq., C.E.	5	1	0	850	64.5	63.50	..	..
3.—FIRTH OF CLYDE. 34 sq. mi.										
w Shaws W.W. (Kelly Dam)	J. MacAlister, Esq., C.E.	5	1	0	640	63.6	56.10	..	..
d Inverkip (Daff Burn Reservoir)	C. F. Rankin, Esq.	8	1	0	506	58.4	61.71	..	..
w Doulichill Filters (Pt. Glas. W.W.)	James Murray, Esq., C.E.	8	1	6	550	53.4	54.72	..	..
w Parkhill Filters (Pt. Glas. W.W.)	James Murray, Esq., C.E.	8	1	6	275	48.1	51.98	..	..
d Shaws W.W. (Compens. Res.)	J. MacAlister, Esq., C.E.	5	1	0	600	..	56.68	211	169	
d Shaws W.W. (Loch Thom)	J. MacAlister, Esq., C.E.	5	1	0	643	65.4	56.89	209	166	
w Shaws W.W. (Shielhill)	J. MacAlister, Esq., C.E.	5	1	0	962	64.2	64.10	..	..
d Shaws W.W. (New Yett's Dam)	J. MacAlister, Esq., C.E.	5	1	0	800	63.2	61.07	215	171	
w Shaws W.W. (Spango Burn)	J. MacAlister, Esq., C.E.	5	1	0	757	62.6	64.10	..	..
d Shaws W.W. (Hole Glen)	J. MacAlister, Esq., C.E.	5	1	0	603	61.6	53.32	211	163	
d GREENOCK (Prospect Hill) (+A)	J. MacAlister, Esq., C.E.	5	1	0	199	58.2	53.14	191	154	
d Gourock (Levan Farm)	W. Millar, Esq.	5	1	0	221	..	52.05	214	162	
d Gourock (Coves Reservoir)	C. F. Rankin, Esq.	5	1	0	221	53.4	53.76	204	164	
d Greenock (Battery Park)	James Campbell, Esq.	8	1	2	100	..	44.84	181	155	
4.—IRVINE. 10 sq. mi.										

4.—IRVINE. 10 sq. mi.

DIVISION XV—WEST MIDLAND COUNTIES.

DUMBARTON. (Area, 270 sq. mi.)

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

2.—FIRTH OF CLYDE & COWAL. 52 sq. mi.

d CARDROSS (Kilmahew)	Claud A. Allan, Esq.	5	1	0	130	44.7	45.21	213	166
d HELENSBURGH (Valve House)	J. N. Stirling, Esq., C.E.	5	1	0	293	53.0	51.71	209	170
d Rosneath Castle Gardens	Mr. J. Dawson	5	1	0	80	50.8	50.85	213	159
d Garelochhead (Faslane)	D. B. Macfarlan, Esq.	5	1	0	25	..	62.72	214	165
d Garelochhead (Gartnood)	Miss M. I. M. Robertson	5	1	4	10	..	64.20	..	..
d Garelochhead (Ardarroch Gdns.)	Mr. Alastair M. Black	5	1	0	100	..	70.85	233	189
d Arrochar (Benreoch Tighness)	Mrs. D. Little	5	1	0	50	81.2	85.90	223	192
d Arrochar (Braeside)	J. Lindsay, Esq.	5	1	0	40	77.4	75.69	212	184

3.—CLYDE—Leven. 149 sq. mi.

d Renton (Carman Filters)	W. Buchanan, Esq.	8	4	0	292	46.8	46.80	194	160
d Loch Lomond Park	W. Besant, Esq.	5	1	0	156	50.2	48.58	..	..
d Helensburgh (Blairnairn)	No. 1 J. N. Stirling, Esq., C.E.	8	1	0	575	..	67.15	..	..
d Helensburgh (Blairnairn)	No. 2 J. N. Stirling, Esq., C.E.	5	1	0	1250	..	68.40	..	..
d Helensburgh (Blairnairn)	No. 3 J. N. Stirling, Esq., C.E.	5	1	0	1580	..	68.40	..	..
d Glen Finlas Reservoir	No. 1 George Beaton, Esq.	5	1	1	782	69.1	73.40	..	..
d Glen Finlas Reservoir	No. 7 George Beaton, Esq.	5	1	6	810	..	81.37	208	181

4.—CLYDE—Right Bank Tributaries. 59 sq. mi.

d Drumchapel (Wasdale)	F. C. Thomson, Esq.	5	1	0	49	37.5	40.00	212	148
d Gartshore Gardens	Mr. Hector Macdonald	5	1	0	261	..	42.46	(180)	(151)
d Milngavie (Dougalston)	Mr. J. Hamilton	5	1	0	150	42.3	46.58	196	153
d Duntocher (Cochno Filters)	E. T. Collins, Esq.	5	1	0	400	44.2	46.11	190	160

§ Turf wall round gauge.

DIVISION XV—WEST MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES	Diam.	Rain-gauge				1939.		
			Height of		Average	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.			
DUMBARTON—(con.).									
4.—CLYDE—Right Bank Tributaries—(con.).									
Kilpatrick Hills (Greenside Res.)	E. T. Collins, Esq.	5	1 0	876	51.8	57.15	..	..
Kilpatrick Hills (Loch Cochno)	E. T. Collins, Esq.	5	1 0	909	52.8	57.64	..	..
Kilpatrick Hills (Jaw Reservoir)	E. T. Collins, Esq.	5	1 0	912	53.9	60.31	..	..
d Milngavie (Craigton School)	Miss E. B. Reid	5	1 0	425	..	54.35	180	147	
STIRLING. (Area, 463 sq. mi.).									
1.—FORTH—Right Bank Tributaries. 263 sq. mi.									
d Polmont (Vellore)	R. M. W. Brown, Esq.	5	1 0	320	32.0	35.53	185	149	
d Falkirk (Inglewood, Laurieston)	Miss H. S. D. Ballantine	5	1 0	133	34.8	34.11	179	152	
d Falkirk (Westbank) <i>Garden</i>	A. Nimmo, Esq.	5	1 0	75	36.0	35.24	188	149	
d Falkirk (Westbank) <i>Lawn</i>	A. Nimmo, Esq.	5	1 0	105	33.6	33.83	187	148	
d Falkirk (Arnotdale)	W. Gibson, Esq.	5	1 0	105	33.7	32.74	183	137	
Falkirk (Kerse)	Robert Johnston, Esq.	8	1 0	18	31.9	30.15	..	..
Falkirk (Kerse) <i>new g.</i>	Robert Johnston, Esq.	5	1 0	18	..	30.39	..	..
d Grangemouth (Burgh Depot)	J. C. Wallace, Esq., C.E.	5	1 0	15	30.9	33.38	190	151	
m Little Denny Reservoir	Stirling & Falkirk W. Bd.	8	1 0	326	42.8	44.18	..	..
m Little Denny Filters	Stirling & Falkirk W. Bd.	8	1 0	243	42.4	44.85	..	..
m Kilsyth (Faughlin Res.)	Stirling & Falkirk W. Bd.	8	1 0	707	54.4	55.74	..	..
Fintry (Waterhead)	Stirling & Falkirk W. Bd.	8	1 0	850	..	70.92	..	..
Kilsyth (Kirkburn)	Stirling & Falkirk W. Bd.	8	1 0	745	..	54.64	..	..
Denny (Buckieburn Reservoir)	Stirling & Falkirk W. Bd.	8	1 0	825	45.3	57.68	..	..
Denny (Buckieburn Filters)	Stirling & Falkirk W. Bd.	8	1 0	760	42.1	53.79	..	..
Loch Coulter	Stirling & Falkirk W. Bd.	8	1 0	713	..	51.31	..	..
m Earlsburn Reservoir	Stirling & Falkirk W. Bd.	8	1 0	1202	56.8	59.64	..	..
d Airth (Dunmore Gardens)	P. Forbes Jones, Esq.	5	1 2	15	..	35.51	203	156	
d Stirling (North Third Res.)	J. C. Wallace, Esq., C.E.	8	0 10	574	49.4	45.94	218	168	
d Stirling (Touch Res.)	No. 3 D. B. Marrs, Esq.	8	1 0	759	49.1	49.87	204	167	
d Stirling (Touch Res.)	No. 2 D. B. Marrs, Esq.	8	1 0	707	47.9	47.58	204	167	
d Stirling (Touch Res.)	No. 1 D. B. Marrs, Esq.	8	1 0	455	47.6	49.71	204	166	
d Polmaise Castle Gardens	Mr. J. McAndie	5	1 1	220	..	43.39	164	149	
w Touch Gardens	Mr. T. Davidson	5	1 0	90	..	47.93	..	..
Endrick Lodge	W. M. Wallace, Esq.	5	1 0	136	..	37.97	..	..
d STIRLING (Sauchie House)	The Town Council (J. Fyfe, Esq.)	5	1 0	151	35.9	36.10	163	138	
d Stirling (Craigforth)	Mrs. A. J. Couper	5	1 0	32	39.2	38.99	212	148	
d Kippen (Argomery)	Mr. T. Brown	5	4 6	150	46.5	49.44	216	161	
d Meiklewood	Mr. George Smith	5	0 9	35	..	44.69	198	153	
Duchray Valley (Ben Lomond)	J. Cochrane, Esq.	8	0 6	1500	89.2	81.55	..	..
Duchray Valley (Glen Dhu)	J. Cochrane, Esq.	8	1 0	500	81.8	77.55	..	..
Duchray Valley (Comer)	J. Cochrane, Esq.	8	1 0	600	86.5	80.65	..	..
Duchray Valley (Achaidd Burn)	J. Cochrane, Esq.	8	1 0	1200	94.4	(91.15)	..	..
Duchray Val. (Hd. of Main Stream)	J. Cochrane, Esq.	8	1 0	950	88.8	82.05	..	..
2.—FORTH—Teith. 5 sq. m									
d Stronachlachar (Invergyle)	J. Cochrane, Esq.	8	1 0	376	83.2	79.60	..	207	
3.—FORTH—Left Bank Tributaries. 15 sq. mi.									
d Bridge of Allan (The Lea)	Mr. W. Watt	5	0 8	100	35.4	36.85	215	154	
d Bridge of Allan (Langlands)	W. H. Gillespie, Esq.	5	1 0	45	..	35.31	185	146	
4.—CLYDE—Leven. 128 sq. mi.									
Kilpatrick H. (Burncrooks Res.)	E. T. Collins, Esq.	5	1 0	835	51.9	(52.05)	..	..
d Strathblane (Blanehead)	J. Cochrane, Esq.	8	1 0	250	50.6	54.30	..	166	
d Killearn (Burnbrae)	G. Gray, Esq.	5	1 0	320	..	46.18	194	157	
d Fintry (Police Station)	D. Taylor, Esq.	5	1 0	300	..	59.13	..	..
Drymen (Pk. of Drumquhassle)	Sir George A. Mitchell	5	1 3	67	..	40.43	..	..
d BALFRON (High School)	Lt.-Col. E. G. McHutchon, M.A.	5	1 1	342	..	47.97	203	157	
Loch Arklet (Corriehichon)	J. Cochrane, Esq.	8	0 6	870	82.6	(71.00)	..	..
Loch Arklet (Corriearklet)	J. Cochrane, Esq.	8	0 6	950	85.2	77.60	..	..
5.—CLYDE—Right Bank Tributaries. 52 sq. mi.									
d Strathblane (Mugdock Res.)	J. Cochrane, Esq.	8	0 6	320	46.2	52.95	..	173	
d Milngavie (Eastertown)	Major R. M. Ker	5	1 0	450	46.4	50.39	196	154	

DIVISION XV—WEST MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with	Days with
			Rim	Ground	Rain-fall.		·01 in. or more.	·04 in. or more.
			above Ground.	above Sea Level.	above fall.			
STIRLING—(cont.).								
5.—CLYDE—Right Bank Tributaries—(cont.).								
d Kilsyth (Sewage Works)	J. Milne, Esq.	5	1 0	135	..	48·13	205	159
d Kilsyth (Innsbridge)	J. Milne, Esq.	5	4 6	197	47·7	51·52	193	159
d Lennoxton	W. R. Patterson, Esq.	5	1 0	200	..	57·63	197	168
BUTE. (Area, 218 sq. mi.)								
1.—ISLE OF BUTE. 50 sq. mi.								
d Rothesay (Dhu Loch W.W.)	A. Stephen, Esq.	5	1 6	273	..	46·16	199	162
d Rothesay (Ardencraig)	R. Finlay, Esq.	5	1 0	200	49·0	50·30	199	168
2.—CUMBRAES. 4 sq. mi.								
d Millport (St. Andrew's Home)	Dr. J. H. Paul	5	0 9	10	..	47·86	197	156
d Millport (Marine Biol. Stat.)	R. Elmhirst, Esq.	5	1 0	16	40·1	46·31	193	151
d Millport (Water Works)	J. Dymock, Esq.	10	3 6	167	..	45·51	..	..
3.—ARRAN. 164 sq. mi.								
d Dougarie Lodge	David Reside, Esq.	5	1 2	10	46·0	43·88	201	156
ARGYLL. (Area, 3,181 sq. mi.)								
1.—TAY—Tummel. 36 sq. mi.								
2.—SOUND OF ARISAIG, SOUND OF MULL & C. 317 sq. mi.								
d Morvern (Ardtornish)	A. Cameron for O. H. Smith, Esq.	5	1 0	48	83·3	69·77	204	192
d Morvern (Drimnin)	Mrs. Gordon	5	1 0	225	62·7	51·69	226	185
d Morvern (Drumbuy)	Mr. Iain MacMillan	5	1 0	85	..	59·73	224	182
d Loch Sunart (Glenborrodale)	A. M. Fletcher, Esq.	5	1 0	50	69·0	60·08	220	191
w Loch Sunart (Carnlia, Salen)	Dr. D. Fergusson	5	1 0	35	..	67·48	..	..
d Acharacle (Shielbridge)	A. M. Fletcher, Esq.	8	3 0	51	68·2	59·05	214	195
d Loch Shiel (Polloch House)	Forestry Commission	5	1 1	17	83·5	78·49	208	194
3.—LOCH LINNHE—Right Bank Tributaries. 139 sq. mi.								
d Morvern (Kingairloch)	A. McL. Larkin, Esq.	5	1 0	40	98·2	89·21	200	180
d Corran Lighthouse	Com'rs. of N. Lighthouses ..	5	1 0	13	81·0	66·34	198	179
d Ardgour House	Mrs. Maclean of Ardgour ..	5	0 10	60	90·4	86·63	227	198
4.—LOCH LINNHE—Left Bank Tributaries. 165 sq. mi.								
d Barcaldine	Forestry Commission	5	1 0	50	65·9	62·08	205	190
d Glenelg (Fasnacloich)	T. A. Robertson, Esq.	5	1 5	100	..	67·00	..	..
d Duror (Achadh Nan Sqiath)	G. H. Malcolm, Esq.	5	1 0	50	..	55·92	205	176
d Glencoe Gardens	Mr. N. Fraser	8	1 1	85	..	76·24	222	197
d Glenelg (Blackwater House)	4. British Aluminium Co., Ltd.	8	1 0	1069	80·8	77·92	..	..
d Glenelg (Blackwater Dam, S.)	2(+A) British Aluminium Co. Ltd.	8	1 0	1072	84·0	86·45	270	199
d Glenelg (Kinlochleven)	1. British Aluminium Co. Ltd.	8	1 0	140	86·4	82·70	237	193
5.—LOCH ETIVE. 197 sq. mi.								
d Glen Etive	Col. A. E. D. Anderson	5	1 0	200	94·0	81·08	..	..
6.—LOCH ETIVE—Loch Awe. 319 sq. mi.								
7.—FIRTH OF LORNE. 112 sq. mi.								
d Kilmelfort (Arduaine)	Mrs. Campbell of Arduaine ..	5	0 10	23	57·6	52·29	211	171
d Kilmelfort (Kilchoan)	Miss D. M. Henderson	5	1 0	30	..	53·93	224	181
d Kilninver	A. F. Nicol, Esq.	5	1 5	30	..	58·22	200	173
w Oban (Gleann-a-Bhearraidh Res) ..	Burgh Surveyor	8	1 6	400	57·5	60·23	..	..
d Oban	Burgh Surveyor	8	1 1	229	..	54·41	187	165
8.—SOUND OF JURA. 163 sq. mi.								
d Lochgilphead (Poltalloch)	Mr. D. S. Melville	5	1 3	135	52·7	51·36	220	190
9.—KINTYRE, WEST. 146 sq. mi.								
d Largie Castle	Mrs. Moreton Macdonald	5	1 1	160	48·4	45·21	178	162
d West Loch Tarbert (Dunmore)	Capt. J. V. Taylor	5	1 8	100	..	(44·66)	(192)	(166)
10.—KINTYRE, EAST. 177 sq. mi.								
d Carradale (Torrisdale Castle)	D. S. Macalister Hall, Esq.	5	1 0	84	62·6	61·95	213	173
d Carradale (Saddell Manse)	Rev. J. A. Argyll Baker	5	1 6	25	..	57·52	208	174
d Monybacach (Skipness)	Peter Cameron, Esq.	5	1 1	80	48·8	48·60	207	170

DIVISION XV—WEST MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939			
			Height of Rim above Ground.	Ground above Sea Level.	Average Rain- fall.	Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.		
ARGYLL—(con.).			in.	ft. in.	ft.	in.	in.			
11.—LOCH FYNE. 264 sq. mi.										
d Ardlamont (Kilbride).....	J. W. Turnbull, Esq.	5	1 0	110	49·0	49·19	188	162		
d Ardrishaig (Canal Office).....	G. Tatton, Esq.	5	1 0	48	67·9	60·35	213	191		
d Loch Fyne (Castle Lachlan)	The MacLachlan of MacLachlan	5	1 6	25	72·73	196	193			
d Crarae Lodge	Capt. G. I. Campbell.....	5	1 0	20	68·2	67·61	212	195		
d Strachur Park	Lady G. Campbell.....	5	1 8	25	66·7	74·08	221	189		
d Branchollie	A. R. Page, Esq.	5	1 0	240	..	(70·15)	(213)	(185)		
d Inveraray Castle Gardens	A. R. Page, Esq.	5	1 0	40	77·2	80·13	202	192		
12.—FIRTH OF CLYDE & COWAL. 242 sq. mi.										
d Toward (Knockdow Gardens)	Sir Norman Lamont, Bt. .	5	1 6	101	59·7	56·72	212	181		
d Toward (Inverchaolain)	Sir Norman Lamont, Bt. .	5	1 0	..	67·9	70·39	209	175		
d DUNOON	W. Rodger, Esq., C.E.	5	1 0	132	..	63·95	195	162		
d Ardnadam (Hafton Ho.)	A. P. N. Aitken, Esq.	5	1 3	87	76·5	70·59	185	165		
d DUNOON (BEN MORE Forest Sch.) ..	Forestry Commission	5	1 0	46	..	80·62	218	182		
d Loch Eck (Ben More)	John White, Esq.	5	1 3	40	86·6	83·71	220	186		
d Strachur (GLENBRANTER)	Forestry Commission	5	1 0	120	88·2	86·25	214	188		
d Lochgoilhead (Ardgoil)	W. Besant, Esq.	5	0 6	20	86·3	80·03	224	189		
d Lochgoilhead (Nuthill)	Mrs. Henderson.....	5	1 0	15	74·8	71·53	..	..
d Glencroe (Guithas Cottage)	J. M. Reid, Esq.	5	1 2	120	101·0	98·27	214	191		
13.—CLYDE—Leven. 4 sq. mi.										
14.—INSULAR. 900 sq. mi.										
Sanda Lighthouse	Com'rs. of N. Lighthouses ..	5	2 9	134	36·8	32·22	184	138		
Islay (Rhinns)	Com'rs. of N. Lighthouses ..	7	3 6	74	..	37·38	204	167		
Islay (Lochindaal)	Com'rs. of N. Lighthouses ..	5	0 7	45	44·0	49·86	200	181		
Islay (McArthur's Head)	Com'rs. of N. Lighthouses ..	5	0 6	173	56·5	52·54	184	179		
d Islay (Eallabus)	J. H. Cranston, Esq.	5	1 0	68	48·9	44·84	202	175		
d Islay (Dunlossit)	Mr. James Hogg	5	1 0	60	53·3	49·29	217	173		
Islay (Rhuvaal)	Com'rs. of N. Lighthouses ..	5	1 0	69	42·0	40·19	163	155		
d Jura (Ardfin)	W. Riley Smith, Esq.	5	1 0	160	53·8	47·72	219	186		
d Jura (Tarbert)	Lord Astor	5	1 0	30	..	51·13	205	182		
d Jura (Ardlussa)	Donald Shaw, Esq.	5	0 9	100	..	49·50	221	172		
d COLONSAY	Murdo McNeill for Lord Strathcona	5	1 0	87	..	41·41	219	179		
Fladda Lighthouse	Com'rs. of N. Lighthouses ..	5	1 6	25	..	46·10	127	125		
d Seil (An Cala)	Col. Hon. A. C. Murray, C.M.G., D.S.O.	5	1 6	30	..	53·25	220	177		
Lismore (Mousedale)	Com'rs. of N. Lighthouses ..	7	3 10	38	43·7	37·44	180	162		
d Mull (Bunessan)	D. Macdonald, Esq.	5	1 0	50	51·6	45·93	194	162		
d Mull (Auchnacraig)	G. W. Duncan, Esq.	8	1 0	50	..	71·14	193	180		
d Mull (Ben More)	J. MacPhail, Esq., for M.O.	5	2 0	2800	135·8	(98·15)	..	..
d Mull (Ulva)	Mrs. F. W. Clark	5	1 0	30	64·8	47·52	208	170		
d Mull (Salen)	J. Cameron, Esq.	5	1 6	60	..	54·03	..	..
d Mull (Gruline)	The late J. W. Melles, Esq. .	8	1 0	100	79·0	64·82	240	202		
d Mull (Tobermory)	Col. Bryce Allan	5	0 10	90	..	63·75	218	184		
Mull, Sound of	Com'rs. of N. Lighthouses ..	..	..	..	61·5	52·90	..	130		
d TIRKE	(+A) J. R. Morrison, M.A., B.Sc. (M.O.)	8	1 0	22	44·7	38·44	211	168		
d Coll (Breachacha Castle Gdn.) ..	Brig.-Gen. E. M. P. Stewart.	5	1 1	30	..	40·06	200	178		
d Coll (Acha Lodge)	Brig.-Gen. E. M. P. Stewart.	5	1 0	95	..	44·26	176	171		

DIVISION XVI—EAST MIDLAND COUNTIES.

CLACKMANNAN. (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	40	33·2	35·24	193	151	
w Alloa W.W. (Gartmorn Res.)	Robert Cairns, Esq., C.E. .	5	1 0	172	32·1	36·25	..	..
d Tillicoultry (Westbourne)	Mrs. Willison	5	1 0	66	34·5	39·75	183	151	
w Menstrie (Lipney Filters)	Robert Cairns, Esq., C.E. .	5	1 0	328	38·30	..	..
d Glendevon (Broich Burn)	No. 2. H. F. Hodge, Esq., C.E.	8	1 0	1333	71·7	74·24	..	..
d Glendevon (Burnfoot Hill)	No. 8. H. F. Hodge, Esq., C.E.	8	1 0	1721	49·2	62·60	..	..
d Glendevon (Backhill)	No. 9. H. F. Hodge, Esq., C.E.	8	1 0	1067	58·3	61·62	..	..
d Glendevon (Backhill)	H. F. Hodge, Esq., C.E.	8	1 0	1067	59·9	62·98	230	172	

KINROSS. (Area, 87 sq. mi.)

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

§ Gauge over-exposed.

DIVISION XVI—EAST MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.
			Rim above Ground.	Ground above Sea Level.	Rain-fall.			
KINROSS—(con.).			in.	ft. in.	ft. in.	in.		
2.—LEVEN & C. 67 sq. mi.								
d Loch Leven Sluice.....	Mr. J. Thomson	8	0	8	360	35·8	35·40	184 143
d Loch Leven Sluice.....	Mr. J. Thomson	5	1	0	360	..	36·73	184 146
d Milnathort (Laurel Bank)	Capt. L. Kininmonth	5	1	0	396	36·3	38·65	190 143
d Earnieside	The late W. Phillips, Esq.	8	1	3	900	..	45·09	(190) (157)
d Milnathort (Ledlanet)	Sir James C. Calder, K.B.E.	5	1	3	700	47·1	45·08	200 165
d Milnathort (Ochil Hills San.)	The Medical Superintendent	5	1	0	800	47·3	47·79	212 189
3.—EDEN. 2 sq. mi.								
4.—TAY—Earn. 3 sq. mi.								
FIFE. (Area, 505 sq. mi.).								
1.—FORTH, LOWER—Left Bank Tributaries. 68 sq. mi.								
d DUNFERMLINE	The Carnegie Dunfermline Trust	5	1	0	237	..	30·24	187 147
d Kincardine (Tulliallan)	T. S. Craig, Esq.	5	1	0	90	33·8	31·25	175 145
Carnock (Craigluscar Res.)	D. H. Shaw, Esq., C.E.	12	0	4	480	36·1	37·45	.. ..
2.—LEVEN & C. 208 sq. mi.								
d Dunfermline (Fordell House)	Mr. W. Adamson	5	1	0	250	32·0	(28·40)	.. ..
d Burntisland (Cullaloe Res.)	J. A. Waddell, Esq.	5	1	0	294	..	26·12	.. 130
d KIRKCALDY (Victoria Hosp.)	Medical Officer of Health	5	1	0	137	30·0	27·12	192 138
d Cowdenbeath (Sewage Wks.)	C. A. Alexander, Esq.	5	1	0	390	..	34·42	195 139
Cleish Hills (Craiggaiveral)	C. A. Alexander, Esq.	5	1	0	760	41·0	(38·16)	.. ..
Cleish Hills (Roscoe Res.)	C. A. Alexander, Esq.	5	1	0	660	39·6	39·11	.. ..
d Kirkcaldy (Carberry)	R. Ritchie, Esq.	5	1	0	326	..	26·70	194 138
Cleish Hills (Blairadam)	C. A. Alexander, Esq.	5	1	0	670	35·8	34·98	.. ..
Cleish Hills (Lochglow Res.)	C. A. Alexander, Esq.	5	1	0	900	39·3	35·55	.. ..
d Leslie (Lothrie Reservoir)	R. Ritchie, Esq.	5	1	0	700	36·7	34·58	184 139
d Leven (LUNDIN LINKS)	J. D. Ross, Esq., M.P.S.	5	1	0	40	..	25·93	179 124
Lower Largo (Cardy House)	J. Gillies, Esq.	5	4	6	15	..	26·89	.. ..
d Markinch (Carriston Reservoir)	Water Superintendent	5	0	9	293	..	36·66	194 156
d Markinch (Coul Reservoir)	Water Superintendent	5	0	6	438	..	35·23	190 149
d Colinsburgh (Cairnie House)	Maj. R. A. Anstruther, D.S.O.	5	3	6	125	28·8	24·94	189 132
d Colinsburgh (Balcarres)	Mr. W. Adams	5	1	0	300	..	26·62	200 137
d Carnbee (Ovenstone W.W.)	C. Birrell, Esq.	5	1	0	168	25·8	27·00	190 148
3.—EDEN & C. 205 sq. mi.								
d Cupar (Clatto Reservoir)	R. W. Morrison, Esq.	5	1	0	505	30·1	35·86	248 155
d Cameron Waterworks	Burgh Surveyor	5	1	0	478	29·9	34·69	207 150
d Cupar (Pitlair)	Mr. P. Webster	5	1	0	126	29·5	33·25	180 139
d Cupar (Rankeillour)	T. Inglis, Esq.	5	1	0	240	28·7	31·31	178 135
d CUPAR (The Asylum)	The Medical Superintendent	5	1	0	210	27·7	33·72	199 147
d Kingsbarns	Miss M. R. Nimmo	5	1	0	35	..	27·02	201 136
d Cupar (Over Rankeillour)	H. Giles Walker, Esq.	5	1	0	200	28·7	31·05	186 140
d Cupar (Beet Sugar Factory)	British Sugar Corp., Ltd.	5	1	0	82	..	30·04	180 131
d St. Andrews (Waterworks)	Burgh Surveyor	5	1	0	217	27·3	28·89	193 143
d St. ANDREWS	Burgh Surveyor	5	1	0	13	27·1	27·35	202 127
d LEUCHARS (Aerodrome)	(+A) Meteorological Office	8	1	0	36	25·7	27·38	190 130
4.—FIRTH OF TAY. 25 sq. mi.								
d Newport (Tayfield)	W. Berry, Esq.	5	0	7	100	28·3	31·32	204 152
d Newport (Seabank)	J. Grant Bruce, Esq. F.R.A.S.	5	4	6	15	27·5	(28·64)	(189) (138)
d TAYFORTH (L. Ho.) Dundee H. Trust. (J. H. Thomson, Esq., M.Sc.) .....	..	5	1	0	27	26·3	29·65	199 142
5.—TAY—Earn. 1 sq. mi.								
6.—INSULAR.								
PERTH. Area, 2,535 sq. mi.)								
1.—FORTH—Right Bank Tributaries. 17 sq. mi.								
d Gartmore House Gardens	Mr. H. B. Matheson	5	1	0	160	56·0	56·27	222 167
d Loch Dhu	J. Cochrane, Esq.	8	0	6	325	79·8	74·35	.. 181

DIVISION XVI—EAST MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with	Days with
			Rim	Ground	Rain-fall.		·01 in. or more.	·04 in. or more.
			above Ground.	above Sea Level.				
PERTH—(con.).			in.	ft. in.	ft.	in.		
2.—FORTH, UPPER—Left Bank Tributaries. 84 sq. mi.								
Ledard	J. Cochrane, Esq.	5	0	6	1500	69·0	67·37	.. ..
3.—FORTH—Telfh. 221 sq. mi.								
Ochertyre (Stirling)	Lt.-Col. J. C. Dundas, D.S.O. 5	1	0	14	39·4	39·53	.. ..	.. ..
Loch Drunkie	J. Cochrane, Esq.	8	1	0	420	62·4	61·40	.. ..
d Invertrossachs	Sir James R. Wilson, Bt.	5	1	0	380	59·8	52·01	224 167
Ben Venue (Glasaboile)	J. Cochrane, Esq.	8	1	0	1150	79·4	73·00	.. ..
d Loch Vennachar	J. Cochrane, Esq.	5	1	0	275	55·3	56·16	197 167
d Bridge of Turk	J. Cochrane, Esq.	5	1	0	275	63·7	58·65	195 163
Loch Katrine (Tunnel Hill Top) ..	J. Cochrane, Esq.	8	0	6	830	79·0	71·60	.. ..
Ben Ledi	J. Cochrane, Esq.	8	1	0	1400	67·0	65·85	.. ..
Achnahard	J. Cochrane, Esq.	8	1	0	474	65·5	63·20	.. ..
Callander (Lenny House)	Capt. M. Murray Buchanan. 5	1	0	340	56·9	52·90	.. ..	.. ..
w Strone Bridge	J. Cochrane, Esq.	8	1	0	380	71·7	67·00	.. ..
Glen Meann	J. Cochrane, Esq.	8	1	0	800	76·5	70·50	.. ..
Glen Finlas	J. Cochrane, Esq.	8	1	0	1200	78·3	73·15	.. ..
d Glengyle	J. Cochrane, Esq.	8	0	6	380	89·9	83·90	.. 190
Upper Glengyle	J. Cochrane, Esq.	8	1	0	750	94·7	87·50	.. ..
Allt a' Choin	J. Cochrane, Esq.	8	1	0	1250	88·2	91·40	.. ..
w Balquhadder (Blaircreach)	J. M. Fergusson, Esq.	5	1	0	460	92·7	89·87	.. ..
d Balquhadder (Stronvar)	J. R. Henderson, Esq.	5	1	0	422	74·2	63·61	.. 146
4.—FORTH, LOWER—Left Bank Tributaries. 107 sq. mi.								
d Dunblane	W. L. Gibson, Esq.	5	8	0	185	40·0	37·32	170 140
d Glendevon (Glenquey Res.)	No. 2 H. F. Hodge, Esq., C.E.	8	1	0	945	58·0	56·27	222 168
d Glendevon (Frandy)	H. F. Hodge, Esq., C.E.	8	1	0	911	61·6	60·72	229 175
Glendevon (Glensherup)	D. H. Shaw, Esq., C.E.	12	0	4	945	59·0	43·67	.. ..
m Glendevon (Bald Hill)	No. 1 H. F. Hodge, Esq., C.E.	8	1	0	1202	58·0	56·19	.. ..
m Glendevon (Wether Hill)	No. 10 H. F. Hodge, Esq., C.E.	8	1	0	1408	48·8	51·06	.. ..
5.—LEVEN. 1 sq. mi.								
6.—EDEN. 4 sq. mi.								
7.—TAY—Earn. 376 sq. mi.								
d Gleheagles House	B. Chinnery-Haldane, Esq.	5	1	0	400	..	47·70	204 161
Upper Farg (Plains)	H. F. Hodge, Esq., C.E.	8	1	0	900	35·9	(40·07)	.. ..
d Upper Farg (Main Bank) new g. ..	H. F. Hodge, Esq., C.E.	8	1	0	632	..	40·25	207 159
d Dunning (Kippen House)	Lady Wilson	5	1	0	450	44·6	44·41	202 152
d Abernethy (Glenfarg House)	Mr. J. Christison	5	0	9	120	34·0	38·92	188 160
d Bridge of Earn (Ballendrick)	G. M. Taylor, Esq.	5	1	0	50	31·5	34·83	193 145
d Lochearnhead (Ardloch)	S. Moir, Esq.	5	1	0	370	61·2	58·63	239 169
d Lochearnhead (Ardvorlich)	J. Stewart, Esq.	5	1	0	350	..	62·18	209 171
d Lochearnhead (Edinchip)	Sir Malcolm MacGregor, Bt.	5	1	0	513	69·0	64·36	227 184
d Comrie (Dunira Gardens)	W. Gilchrist Macbeth, Esq.	5	1	10	200	..	54·35	178 147
d Craiff (Strathearn Hydro)	G. Reid for Dr. G. Meikle ..	5	1	0	478	40·9	37·49	194 149
Perth (The Academy)	J. Angus, Esq.	5	1	0	200	..	29·23	.. ..
8.—TAY—Almond & c. 149 sq. mi.								
d PERTH (Wellshill Cemetery)	The Town Council (J. Ritchie) 5	1	0	77	30·8	30·28	.. ..	172
d Glen Almond (Auchnafree)	Col. J. A. C. Whitaker	5	1	0	1015	64·6	66·74	185 168
9.—TAY—Strathay below Dunkeld. 33 sq. mi.								
d Murthly (Douglasfield)	W. A. Rae, Esq.	5	1	0	237	34·5	33·48	174 135
d Dunkeld (Snaigow)	W. H. Cox, Esq.	5	1	0	370	34·7	38·47	181 139

STATIONS:	AUTHORITIES.	Diam.	Rain-gauge			1939.			
			Height of Rim above Ground.	Height of Ground above Sea Level.	Average Rain-fall.	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.	
PERTH—(con.).			in.	ft. in.	ft.	in.	in.		
10.—TAY. 81 sq. mi.									
d Strath Bran (Glenquaich Lodge)	W. H. Cox, Esq.	5	1 0	950	54·1	49·46	204	157	
11.—TAY—Strathtay above Dunkeld. 95 sq. mi.									
d Aberfeldy (Am Bothan)	A. Macpherson, Esq.	5	1 0	350	..	39·19	212	148	
d Aberfeldy (Dall Avon)	Dr. N. D. Mackay	5	1 0	320	37·4	38·76	214	144	
d Aberfeldy (Grandtully Cas. Gns.)	Mr. J. Collie	5	0 11	383	..	38·76	204	153	
d Grandtully	A. R. Macnaughton, Esq.	5	1 0	233	33·2	34·90	180	130	
12.—TAY—Loch Tay. 241 sq. mi.									
d Tyndrum Manse	Rev. Farquhar MacRae	5	1 0	750	..	82·86	234	185	
d Killin (Kinnell Gardens)	Mr. A. McCormick	5	1 0	380	58·2	55·32	197	155	
13.—TAY—Lyon. 142 sq. mi.									
d Glenlyon (Meggernie Castle)	Sir E. S. Wills, Bt.	5	1 0	700	61·5	63·27	233	185	
Forthingall (Glenlyon House)	Mr. J. W. Ford	5	1 0	425	44·7	41·94	..	..
d Forthingall (Garth House)	Major D. Mirrielees	5	1 0	475	..	40·95	213	161	
14.—TAY—Tummel. 587 sq. mi.									
d Loch Rannoch (Dall)	Mr. D. Robertson, Jun.	5	1 0	722	43·2	42·67	217	169	
d Loch Rannoch (Station)	Messrs. Balfour Beatty & Co.	5	1 0	1007	62·5	56·87	225	176	
d Loch Rannoch (Power House)	Messrs. Balfour Beatty & Co.	5	1 0	675	43·6	42·57	210	170	
Loch Tummel (Allean House)	Mr. R. H. Sangster	5	1 7	1200	..	36·33	..	..
d Pitlochry (Bonskeid)	Dr. G. F. Barbour	5	1 0	540	33·0	37·38	192	141	
d Pincastle House	Dr. G. F. Barbour	5	1 0	980	33·9	39·94	222	145	
d Ericht Dam	Messrs. Balfour Beatty & Co.	5	1 0	1196	52·0	52·60	233	181	
w Dalnaspidal (Duinish)	Messrs. Balfour Beatty & Co.	5	1 0	1525	..	44·60	..	..
d Struan (Auchleeks)	Miss Robertson	5	1 0	710	43·9	44·48	..	168	
d Blair Atholl (Blair Castle Gdns.)	Mr. J. Dickson	5	1 0	500	33·6	34·99	235	152	
w Dalnaspidal (Luidhearnaidh)	Messrs. Balfour Beatty & Co.	5	1 4	1710	..	60·35	..	..
d Glen Bruar (Bruar Lodge)	No. 1 Messrs. Balfour Beatty & Co.	5	1 0	1600	44·9	44·13	244	169	
d Glen Bruar (Bruar Lodge)	No. 2 Messrs. Balfour Beatty & Co.	5	1 0	1600	45·9	(44·69)	(243)	(174)	
15.—TAY—Isla. 282 sq. mi.									
d Dunkeld (Cardney)	A. R. Macgregor, Esq.	5	1 0	350	37·4	36·51	176	142	
Loch Benachally	A. W. Kidd, Esq.	8	1 0	1007	..	44·51	..	..
d Kirkmichael (Ballintuim Ho.)	Miss M. A. Macdonald	5	1 4	700	40·3	43·98	236	153	
d Kirkmichael (School)	Miss C. MacGregor	5	1 0	700	..	38·09	..	..
16.—TAY—Left Bank Tributaries. 51 sq. mi.									
d Kinfauns (Balthayock)	R. Wylie Hill, Esq.	5	4 6	323	32·6	31·28	177	135	
17.—FIRTH OF TAY. 45 sq. mi.									
Errol (Annat Cottage)	W. Kimm, Esq.	5	4 0	200	27·5	30·68	..	..
8.—SPEY—Right Bank Tributaries. 1 sq. mi.									
19.—LOCH LINNHE—Left Bank Tributaries. 2 sq. mi.									
20.—CLYDE—Leven. 36 sq. mi.									

DIVISION XVI—EAST MIDLAND COUNTIES—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average Rain- fall.	Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.	
			Rim above Ground.	Ground above Sea Level.					
ANGUS. (Area, 875 sq. mi.).			in.	ft. in.	ft.	in.	in.		
1.—TAY—Isle. 211 sq. mi.									
KETTINS School.....	W. B. Ogilvie, Esq.	5	1 0	218	32·0	33·22	191	142	
d Newtyle	C. W. Wheeler, Esq.	5	1 0	295	...	34·76	...	...
d Glamis Castle.....	Mr. D. McInnes	5	0 7	250	30·9	36·57	194	136	
d Forfar (Yeaman Street)	W. P. Welsh, Esq.	5	1 6	226	...	35·62	196	140	
d Kirriemuir (Lintrathen).....(+A)	A. A. Fulton, Esq., C.E.	8	1 0	700	34·7	38·26	209	151	
d Kirriemuir (Balnakeilly)	A. A. Fulton, Esq., C.E.	5	1 0	700	34·1	38·85	...	...
d Kirriemuir (Dykends)	A. A. Fulton, Esq., C.E.	5	1 0	750	36·4	41·05	...	...
d Kirriemuir (Creich Hill, N.)	A. A. Fulton, Esq., C.E.	5	1 0	1491	40·5	47·67	...	...
d Kirriemuir (Backwater)	A. A. Fulton, Esq., C.E.	5	1 0	850	39·7	47·06	...	...
d Kirriemuir (Westerton)	A. A. Fulton, Esq., C.E.	5	1 0	900	40·5	47·28	...	...
d Kirriemuir (Macritch)	A. A. Fulton, Esq., C.E.	5	1 0	1300	38·7	47·29	...	...
d Kirriemuir (Newton)	A. A. Fulton, Esq., C.E.	5	1 0	735	37·4	41·62	...	...
d Kirriemuir (Longdrum)	A. A. Fulton, Esq., C.E.	5	1 0	1045	39·3	49·10	...	...
d Kirriemuir (Glendye)	A. A. Fulton, Esq., C.E.	6	1 0	1050	44·9	52·77	...	...
d Kirriemuir (Barney)	A. A. Fulton, Esq., C.E.	5	1 0	1130	40·2	48·64	...	...
d Kirriemuir (Glenhead)	A. A. Fulton, Esq., C.E.	5	1 0	1340	43·1	(51·20)	...	...
d Kirriemuir (Dalvanie)	A. A. Fulton, Esq., C.E.	5	1 0	1020	42·7	50·60	...	...
d Kirriemuir (Glen Damff)	A. A. Fulton, Esq., C.E.	5	1 0	1360	43·7	52·67	...	...
2.—FIRTH OF TAY. 80 sq. mi.									
d CARNOUSTIE (Buddon Ness Lt.)...Dundee Harbour Trust	(J. H. Thomson, M.Sc.) 5	5	1 0	15	26·4	24·10	199	130	
d DUNDEE HARBOUR.....Dundee H. Trust	(J. H. Thomson, M.Sc.) 5	5	0 11	14	27·4	27·10	171	135	
d Dundee (Stobsmuir Res.)	A. A. Fulton, Esq., C.E.	5	1 0	278	...	29·04	174	133	
d Dundee (Camperdown Works)	Messrs. Cox Bros., Ltd.	5	1 0	300	26·8	30·60	...	...
d Balruddery	H. S. Sharp, Esq.	5	1 0	266	29·8	33·86	167	134	
d DUNDEE (MAYFIELD)	The Director of Studies	8	1 0	147	26·2	30·17	197	146	
d Monifieth	W. Davie, Esq.	5	1 4	50	...	26·92	193	128	
d Monifieth (Mains of Ardestie)	F. D. Booth, Esq.	5	1 0	100	...	27·11	188	133	
d Dundee (Clatto Reservoir)	A. A. Fulton, Esq., C.E.	8	1 2	498	...	33·52	192	150	
3.—SOUTH ESK & C. 371 sq. mi.									
d CARNOUSTIE	Burgh Surveyor	8	1 0	39	27·2	24·55	192	131	
d Monikie Reservoir	A. A. Fulton, Esq., C.E.	5	1 0	494	34·7	34·70	204	145	
d Monikie (Crombie Reservoir)	A. A. Fulton, Esq., C.E.	5	1 0	528	35·2	34·67	215	149	
d Monikie (Fallaws)	A. A. Fulton, Esq., C.E.	8	3 0	585	33·2	35·23	...	...
d ARBROATH (W. Cemetery)	The Town Council (J. W. Robertson) 5	5	1 0	93	25·6	26·35	188	129	
d W ARBROATH (Muirheads Res.)	W. A. Turner, Esq., C.E.	5	1 0	251	28·1	29·66	...	...
d MONTROSE	Burgh Surveyor	5	1 0	16	...	26·32	167	121	
d Montrose (West End Park)	Burgh Surveyor	5	1 0	19	...	28·75	187	137	
d Brechin (Argyll Street)	J. Hutton, Esq.	5	1 0	225	34·1	33·71	202	137	
d Forfar W.W. (Den of Ogil)	Alex. C. Millar, Esq.	12 × 4	3 1	633	...	42·09	187	158	
d Glenogil Waterworks	W. A. Turner, Esq., C.E.	5	1 0	770	40·9	42·01	198	157	
d Glen Prosen (Pearsie House)	G. M. Wedderburn, Esq.	5	1 0	600	39·1	39·27	189	154	
d Glen Prosen (Cormuir)	A. A. Fulton, Esq., C.E.	5	1 0	870	...	53·60	...	...
d Glen Prosen (Balnaboth Gdns.)	Lt.-Col. J. D. Ogilvy	5	1 0	1000	...	50·73	214	167	
4.—NORTH ESK & C. 213 sq. mi.									
d MONTROSE (SUNNYSIDE ASYLUM)...	The Medical Superintendent 5	5	0 10	200	27·0	27·55	186	134	
Brechin (Stracathro Gardens)	Mr. A. Dunlop	5	1 0	200	30·5	32·55	...	...

DIVISION XVII—NORTH-EASTERN COUNTIES.

KINCARDINE. (Area, 382 sq. mi.).									
1.—NORTH ESK & C. 99 sq. mi.									
d Laurencekirk (Johnston Lodge)	R. B. Pearson, Esq.	5	1 0	400	33·1	36·38	197	154	
d Fettercairn (Fasque)	James Mann, Esq.	5	0 10	320	36·0	37·54	224	155	
d Fordoun (Auchenblae)	D. N. Collie, Esq.	5	1 0	325	..	34·09	200	152	
2.—BERVIE, COWIE & C. 139 sq. mi.									
d STONEHAVEN	The Town Council	5	1 0	125	..	27·14	210	137	
Girdleness Lighthouse	Com'rs of N. Lighthouses ..	7	4 0	89	..	27·24	..	127	

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with	Days with
			Rim	Ground	age		·01 in.	·04 in.
			above	above	Rain-fall.		or	or
			Ground.	Sea Level.			more.	more.
KINCARDINE—(con.).			in.	ft. in.	ft. in.	in.		
3.—DEE. 144 sq. mi.								
D Strachan (Bridge of Dye)	J. Mann, Esq.	5	1 0	513	43·9	45·51	226	165
D Banchory (Inverly)	Major Jas. Kerr.	5	1 0	225	34·8	37·95	211	160
D Banchory (Woodlands Sch.)	D. B. McKelvie, Esq.	5	1 0	300	..	36·62	200	155
D Banchory (Invercarnie)	T. F. Henderson, Esq., C.E..	5	0 9	208	31·9	32·90	224	146
ABERDEEN. (Area, 1,974 sq. mi.).								
1.—DEE. 672 sq. mi.								
M Glen Muick	T. F. Henderson, Esq., C.E..	5	1 0	1370	45·1	55·29	..	..
D Glen Muick (Inchnabobart)	T. F. Henderson, Esq., C.E..	5	1 0	1270	..	52·85	254	191
D Aitnash	T. F. Henderson, Esq., C.E..	5	1 0	1260	41·9	55·29	..	..
D BRAEMAR (Bank)	R. A. Lees, Esq.	5	1 0	1111	35·4	37·17	210	157
D Braemar (Derry Lodge)	T. F. Henderson, Esq., C.E..	5	1 0	1400	38·1	40·16	226	184
D Glen Tanar (Mansion House)	Lord Glentanar	5	1 0	553	..	42·08	217	157
D BALMORAL Castle Gardens. (+A)	Mr. Alex. Stuart	5	1 0	927	33·0	34·26	236	162
D Abergeldie Castle Gardens	Mr. Wolseley Collie	5	1 0	800	32·4	33·75	197	157
D Ballater	Ballater Improvements Assn.	5	1 6	660	..	36·00	..	146
D Ballater (Irrigation Farm)	T. F. Henderson, Esq., C.E..	5	1 0	637	33·2	38·38	202	134
M Beinn Bhreac	T. F. Henderson, Esq., C.E..	5	1 0	2700	47·1	(41·45)	..	..
D Aboyne (Irrigation Farm)	T. F. Henderson, Esq., C.E..	5	1 0	380	..	31·92	216	136
D Dess House	W. R. Davidson, Esq.	5	1 8	480	31·2	34·19	217	166
D Glen Gairn (Gairn Shiel Lodge)	T. F. Henderson, Esq., C.E..	5	1 0	1100	34·4	36·37	227	168
D Glen Gairn (Corndavon)	T. F. Henderson, Esq., C.E..	5	1 0	1500	37·3	36·98	232	170
D Torphins (School House)	Dr. George Davidson	5	1 4	480	..	31·20	195	142
M Lumphnan	T. F. Henderson, Esq., C.E..	5	1 0	490	31·6	32·75	..	..
D Drumoak (Drum Castle)	Mrs. Irvine	5	1 0	320	30·9	35·08	215	156
D Aberdeen (Mannofield Res.)	T. F. Henderson, Esq., C.E..	5	1 0	171	30·5	32·67	229	157
D Craigiebuckler	Macaulay Institute for Soil Research	5	1 0	220	..	33·06	222	154
2.—DON. 512 sq. mi.								
D ABERDEEN Observatory	(+A) Meteorological Office	8	1 0	79	29·5	27·89	212	135
D Strathdon (Tornashean)	Mr. J. Duncan	5	3 0	1020	..	40·62	225	166
D Strathdon (Estates Office)	D. D. Laurie, Esq.	5	1 2	990	35·0	36·12	..	..
D Craibstone (Sth. Meethill Field)	Prof. J. Hendrick	5	1 0	275	33·6	33·09	217	148
D Dyce (CRAIBSTONE)	(+A) Abr. & N. of S. Coll. of Ag..	8	1 0	300	31·5	33·07	209	143
3.—YTHAN & C. 285 sq. mi.								
D Ellon (Esslemont House)	Capt. R. Wolrige Gordon, M.C.	5	1 0	100	..	33·48	224	160
D Ellon (Auchmacoy)	Earl of Caithness	5	1 0	150	..	32·35	210	159
D Haddo House	The Marquis of Aberdeen ..	5	1 0	186	31·5	33·03	228	163
D Fyvie Castle	Col. Sir C. R. Forbes-Leith, Bt.	5	1 0	200	33·9	34·70	197	166
4.—UGIE & C. 257 sq. mi.								
D New Deer School House	J. A. Thomson, Esq.	5	1 0	397	32·3	34·74	198	162
D Peterhead (Stockbridge)	J. Robertson, Esq.	5	1 0	150	28·5	29·58	228	165
D Peterhead (Mains of Buthlaw)	W. Johnston, Esq.	5	1 6	120	30·3	27·72	211	153
D Peterhead (Forehill Works)	J. Coull, Esq., C.E.	5	0 8	133	30·3	28·75	198	160
D Fedderate Reservoir	W. F. Hamilton, Esq.	5	0 9	410	..	36·74	226	184
Kinnaird Head	Com'rs. of N. Lighthouses ..	5	1 0	62	26·2	26·20	..	175
5.—DEVERON & C. 248 sq. mi.								
Huntly (Union Bank Ho.)	F. G. Allordice, Esq.	5	1 0	500	..	35·20	..	..
D Huntly (Cruchie)	Miss C. Joss	5	1 0	400	31·7	32·39	239	170

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

		Rain-gauge				1939.		
STATIONS.	AUTHORITIES.	Diam.	Height of		Average Rain-fall.	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
			Rim above Ground.	Ground above Sea Level.				
BANFF. (Area, 630 sq. mi.).		in.	ft.	in.	ft.	in.	in.	
1.—YTHAN. 1 sq. mi.								
2.—DEVERON & C. 344 sq. ml.								
D Drummuir Castle	G. Clinton Chessor, Esq.	5	1	10	620	36.4	38.08	235 182
W Milltown (Rothiemay Castle)	Col. Ian Forbes, D.S.O.	5	0	8	290	..	35.84	.. ..
d Keith Station	Mr. A. Munro	5	1	0	356	33.8	37.39	.. ..
D Turriff (Forglen Gardens)	Mr. G. Pepper	5	1	0	220	31.9	31.03	220 172
D Gamrie (Clenterty P. School)	T. H. Smith, Esq.	5	1	0	420	..	30.41	202 164
D BANFF	Town Council (I. H. Gordon)	5	0	9	130	26.8	27.77	213 164
Buckie (Rochomie)	Thomas Beattie, Esq.	5	1	4	334	27.0	26.44	.. ..
Buckie (West Church Street)	Thomas Beattie, Esq.	5	1	4	76	26.2	24.28	.. ..
D Cullen House Gardens	Mr. A. Murray	5	1	2	150	30.6	25.20	193 147
3.—SPEY—Right Bank Tributaries. 285 sq. ml.								
D Ballindalloch	C. Mackenzie, Esq.	8	1	0	630	33.0	36.22	224 167
D Aberlour Orphanage	The late J. G. White, Esq.	5	1	0	350	32.7	33.56	173 150
MORAY. (Area, 477 sq. mi.).								
1.—DEVERON & C. 7 sq. ml.								
2.—SPEY—Right Bank Tributaries. 35 sq. ml.								
D Fochabers (GORDON CASTLE)	Mr. J. Taylor for Commissioners of Crown Lands	5	1	0	104	29.8	28.97	209 152
3.—SPEY—Left Bank Tributaries. 133 sq. ml.								
d Grantown-on-Spey	W. Currie, Esq.	5	1	0	700	31.1	(34.80)	.. ..
D Aberlour (Wester Elchies)	Mr. J. S. Reid	5	1	0	550	..	32.49	216 165
4.—LOSSIE & C. 154 sq. ml.								
D Kellas (Kellas House)	G. Christie, Esq.	5	0	8	446	..	33.31	209 160
D Lhanbryde (Blackhills House)	Alex Christie, Esq.	5	3	6	310	29.2	31.81	215 176
D Elgin (Kirkhill)	P. J. Macdonald, Esq.	5	1	7	35	..	26.78	217 148
D Elgin (The Bield)	Mrs. Harrison	5	1	4	120	..	24.56	201 136
D Elgin (Whinnyknowe)	Sir Edward Wallace	5	1	0	100	..	26.25	203 150
D Elgin (Gordonstoun School)	John C. Bartholomew, Esq.	5	1	0	40	..	23.91	197 139
D Duffus (Hopeman Lodge)	Mrs. Gordon Duff	8	0	6	65	..	24.92	.. 116
D Lossiemouth (Waterworks)	The Burgh Surveyor	5	1	0	127	..	22.89	198 134
D Lossiemouth (Moray Golf Club)	The Secretary	5	1	0	53	..	22.01	177 131
5.—FINDHORN & C. 148 sq. ml.								
D Forres (Drumduan)	The MacKinnon of MacKinnon	5	3	0	120	..	25.02	173 134
D Forres (Drumduan Gdns.)	Mr. G. Dyker	8	5	0	50	..	24.89	182 135
D FORRES (Hydro)	The Town Clerk	5	1	0	155	..	25.14	180 129
NAIRN. (Area, 163 sq. mi.).								
1.—FINDHORN & C. 102 sq. ml.								
D Drynchan Lodge	John Myles, Esq.	5	0	4	755	..	41.35	227 170
D Ardclach (Glenferness)	Mr. J. May	8	1	0	700	34.8	36.38	197 178
D Lethen	Col. Hon. I. M. Campbell, D.S.O.	5	1	6	300	..	28.08	189 134
2.—NAIRN & C. 61 sq. ml.								
D Cawdor Castle	Mr. James Taylor	5	0	9	225	29.2	29.83	202 140
D Nairn (Balblair)	Major R. H. Allanby	5	1	0	94	24.5	26.46	198 133
D Nairn (Urchanly Res.)	The Town Council	5	1	0	291	..	26.43	.. ..
D Nairn (Firhall)	Lt.-Col. Angus Cameron	5	1	0	55	..	26.61	208 132
D Nairn (Achareidh)	Major K. S. Clarke	8	1	0	59	24.3	25.48	228 135
D NAIRN (Golf Course)	The Town Clerk	8	1	0	20	24.9	25.17	189 121

DIVISION XVIII—NORTH-WESTERN COUNTIES.

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain-fall.	1939.		
			Height of Rim above Ground.	Ground above Sea Level.			Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
INVERNESS. (Area, 4,146 sq. mi.).							in.		
1.—TAY—Tummel. 28 sq. mi.									
2.—SPEY—Right Bank Tributaries. 437 sq. mi.									
D DALWHINNIE	J. Phillips, Esq., (M.O.)	8	1 0	1176	46.7	48.93	236	182	
D Loch An T-Seilich	Messrs. Balfour Beatty & Co., Ltd.	5	1 0	1424	..	45.31	239	180	
D Loch Cuaich	Messrs. Balfour Beatty & Co., Ltd.	5	1 2	1340	..	35.69	..	178	
D Rothiemurchus (The Polchar)	Mrs. H. G. Briggs	5	1 0	775	..	33.21	211	154	
D Nethy Bridge (Aultmore)	Mr. T. Muir	5	1 0	800	..	30.61	225	162	
3.—SPEY—Left Bank Tributaries. 257 sq. mi.									
D Cluny Castle	Mr. A. Macdonald	5	1 0	816	39.9	36.48	223	171	
D Glenshero	British Aluminium Co., Ltd.	8	0 10	880	49.1	39.83	239	182	
M Loch Spey	British Aluminium Co., Ltd.	5	1 0	1164	64.9	56.89	..	..
Glen Spey (Mealgarve)	British Aluminium Co., Ltd.	8	1 0	1135	55.2	48.80	..	..
D Laggan (Gergask)	Miss J. R. Gillies	8	1 0	870	38.4	30.90	203	165	
D Kingussie (The Birches)	Miss Jessie Dallas	8	1 0	815	31.5	31.33	246	147	
D Carr Bridge (Crannich)	Mrs. J. A. Doak	5	1 0	900	29.6	29.93	203	159	
4.—FINDHORN. 164 sq. mi.									
D Tomatin (Dalmigavie Lodge)	Mr. A. Kennedy	5	1 2	1150	..	32.85	210	180	
5.—NAIRN & C. 131 sq. mi.									
6.—NESS—Right Bank Tributaries. 252 sq. mi.									
D Fort Augustus (Ardachie)	A. T. Bruen, Esq.	5	1 0	100	..	42.27	218	171	
D Fort Augustus (Auchterawe)	Forestry Commission	5	0 6	136	..	42.67	..	141	
D Fort Augustus (Abbey)	The Procurator	5	1 0	68	44.2	38.31	210	158	
D Fort Augustus Public Sch.	The Headmaster	5	1 2	100	..	39.41	218	169	
D Loch Ness (Foyers, Stronelairg) ..	British Aluminium Co., Ltd.	8	1 0	1250	..	70.31	248	..	
D Loch Ness (Garthbeg)	British Aluminium Co., Ltd.	8	1 0	630	41.5	37.12	246	187	
D Loch Ness (Foyers)	British Aluminium Co., Ltd.	8	1 0	52	38.2	33.74	227	161	
D Loch Ness (Aberchalder)	British Aluminium Co., Ltd.	8	1 0	700	40.5	37.58	252	177	
W Loch Ashie	Mr. Malcolm McPhee	5	1 0	718	..	31.40	..	..
D INVERNESS (Culduthel Res.)	The Town Council	5	1 0	242	27.6	25.69	180	142	
7.—NESS—Garry & C. 185 sq. mi.									
M Loch Quoich (Loan)	Col. D. W. Cameron of Lochiel	5	1 0	750	146.1	109.36	..	..
D Loch Quoich (Kinlochquoich) ..	Col. D. W. Cameron of Lochiel	5	1 0	580	119.3	110.35	..	..
D Loch Quoich (Glenquoich)	Mr. G. Johnstone*	5	1 2	569	110.7	93.00	228	205	
D Loch Oich (Port McDonnell)	Mr. A. R. Crawford*	5	1 0	122	..	48.71	..	..
8.—NESS—Moriston. 120 sq. mi.									
D Glenmoriston (Ceannacroc)	P. Cruickshank, Esq.	5	1 0	450	66.7	54.01	192	170	
D Glenmoriston (Invermoriston Hotel) ..	P. J. Kydd, Esq.	5	1 0	70	47.5	35.70	182	155	
9.—NESS—Enrick. 131 sq. mi.									
D Glen Urquhart (Corrimony)	Col. John Haig, D.S.O.	5	1 0	520	43.0	33.37	233	165	
D Inverness (Ruigh Ard Asylum) ...	The Medical Supt.	5	0 11	330	29.9	36.16	229	179	
10.—BEAULY. 341 sq. mi.									
11.—CROMARTY FIRTH. 13 sq. mi.									
12.—SOUND OF SLEAT. 259 sq. mi.									
D Loch Nevis (Inverie Gardens)	Mr. H. Milne	5	1 0	15	85.6	67.01	236	191	

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

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.			
			Height of Rim above Ground.	Ground above Sea Level.	Average Rain- fall.	Rain- fall.	Days with ·01 in. or more.	Days with ·04 in. or more.		
INVERNESS—(con.).			in.	t. in.	ft.	in.	in.			
13.—SOUND OF ARISAIG. 126 sq. mi.										
d Moidart (Kinlochmoidart)	Lt. Col. R. N. Stewart	5	1	0	12	69·4	67·28	218	197	
Arisaig (Faire-na-Sguir)	Miss C. G. Astley-Nicholson	5	1	0	30	..	45·82	223	170	
d Arisaig House	Mr. W. Grant	5	1	0	40	62·9	54·50	220	190	
14.—LOCH LINNHE—Right Bank Tributaries. 48 sq. mi.										
d Loch Eil (Achdaluie)	Col. D. W. Cameron of Lochiel	5	1	0	100	61·8	57·45	216	186	
15.—LOCHY—Right Bank Tributaries. 143 sq. mi.										
d Glen Loy (Erracht)	Major E. C. Cameron	5	1	0	150	..	68·73	222	192	
d Loch Arkaig (Achnacarry)	Col. D. W. Cameron of Lochiel	5	1	0	128	82·0	65·27	221	190	
d Loch Arkaig (Glendessary)	Col. D. W. Cameron of Lochiel	5	1	6	300	106·6	88·22	..	192	
16.—LOCHY—Left Bank Tributaries. 362 sq. mi.										
d Clunes (L. Lochy W.)	Col. D. W. Cameron of Lochiel	5	1	6	110	..	60·50	227	186	
Loch Treig (Creaguaineach)	British Aluminium Co., Ltd.	5	1	0	825	74·0	62·67	..	..
Loch Ossian (Strathossian Ho.)	British Aluminium Co., Ltd.	8	1	0	1180	70·2	64·65	..	..
Fort William (Allt'a Mhuilinn)	British Aluminium Co., Ltd.	8	1	0	1000	83·6	73·20	..	..
d Fort William (The Factory)	British Aluminium Co., Ltd.	8	1	0	75	69·6	69·21	232	186	
Roybridge (Lairig Road)	British Aluminium Co., Ltd.	8	1	0	1650	85·7	68·98	..	..
Spean Bridge (The Cour)	British Aluminium Co., Ltd.	5	1	0	1050	92·5	80·01	..	..
Sgurr Finisgaig	British Aluminium Co., Ltd.	8	1	0	1850	97·5	81·27	..	..
d Glen Albyn (Torcastle)	Mr. D. Cameron for Mrs. E. S. Gooch	5	1	0	100	..	55·42	..	..
d Loch Treig (Fersit)	British Aluminium Co., Ltd.	8	1	0	850	62·9	55·80	240	195	
Tulloch (Allt Laire)	British Aluminium Co., Ltd.	5	1	0	1050	62·0	50·75	..	..
Roybridge (Allt Leachdach)	British Aluminium Co., Ltd.	8	1	0	650	61·3	54·31	..	..
Loch Pattack	Sir J. F. Ramsden, Bt.	5	0	9	1420	61·3	51·35	..	..
Glen Spean (Craigbeg)	British Aluminium Co., Ltd.	8	1	0	860	54·9	49·52	..	..
d Spean Bridge (Spean Lodge)	The late Major G. A. C. Davy	5	1	6	206	..	56·77	220	173	
w Loch Lochy (Invergloyle)	Mr. J. Clark for Miss J. Allan	5	1	0	200	58·9	60·55	..	..
d Loch Laggan (Ardverikie)	Sir J. F. Ramsden, Bt.	5	1	0	838	54·0	49·00	247	171	
17.—LOCH LINNHE—Left Bank Tributaries. 120 sq. mi.										
d North Ballachulish (Alltshellach)	B. Chinnery-Haldane, Esq.	5	1	0	80	74·3	72·51	218	195	
d ONICH	Forestry Commission	5	1	3	48	72·8	73·23	231	190	
d Glenleven (Blackwater Dam, N)	British Aluminium Co., Ltd.	8	1	0	1072	85·5	85·12	269	205	
Glenleven (Loch Eilde Mhor)	British Aluminium Co., Ltd.	8	1	6	1130	94·9	83·78	..	..
d Glenleven (Corrour) new g.	British Aluminium Co., Ltd.	8	1	0	1350	..	63·09	202	163	
d Fort William (Teviot)	J. W. Ainslie, Esq.	8	1	0	34	77·4	67·32	220	184	
d Fort William (Glasdrum)	British Aluminium Co., Ltd.	5	1	0	216	..	66·66	224	184	
18.—INSULAR, INNER HEBRIDES. 786 sq. mi.										
d Isle of Eigg	Rt. Hon. Viscount Runciman	5	1	0	150	53·5	54·42	201	182	
d Isle of Canna	Mrs. J. L. Campbell	5	1	8	20	..	(50·13)	(190)	(166)	
d Skye (Kyleakin, Dunringell)	Peter Dunbar, Esq.	5	2	1	80	62·4	54·50	230	178	
Oronsay Lighthouse	Com'rs. of N. Lighthouses	5	0	6	10	52·7	44·63	..	164	
d Skye (Broadford)	Mr. D. Macdonald	5	1	0	23	..	67·75	234	189	
d Skye (Portree)	Allan Mackinnon, Esq.	5	1	0	65	61·7	65·07	254	204	
d Skye (Dunvegan)	Mrs. Mackenzie	5	3	0	47	65·8	58·20	226	205	
d Skye (DUNTULM, Kilmuir)	Seton Gordon, Esq.	5	1	0	294	..	49·85	244	197	
19.—INSULAR, OUTER HEBRIDES. 243 sq. mi.										
d Watersay Schoolhouse	J. Campbell, Esq.	5	0	8	20	..	36·70	227	171	
d Barra (SKALLARY)	J. Smith, Esq.	8	0	10	30	..	39·86	242	176	
d Barra (CRAIGSTON)	J. Reilly, Esq.	5	1	0	22	..	41·82	..	..
d Barra (Ecligarry)	N. A. Macdonald, Esq.	5	1	0	50	..	43·82	222	182	
S. Uist (Ushenish Light)	Com'rs. of N. Lighthouses	5	1	0	178	..	43·21	..	..
d Lochmaddy (Vallay)	G. Beveridge, Esq.	5	1	0	30	..	41·17	..	..
d North Uist (Newton)	J. MacAskill, Esq.	5	1	0	41	..	45·42	212	178	
d N. Harris (Amhuinsuidh Castle)	Norman Robertson, Esq.	5	1	3	12	57·5	56·86	207	197	

ROSS & CROMARTY. (Area, 3,227 sq. mi.).

1.—NESS—Moriston. 35 sq. mi.

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

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Average Rain-fall.	1939.			
			Height of Rim above Ground.	Ground above Sea Level.		Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.	
ROSS & CROMARTY—(con.).						in.			
2.—BEAULY. 109 sq. mi.									
3.—MORAY FIRTH COAST STREAMS. 64 sq. mi.									
d FORTROSE	Rev. W. Craig	5	1	0	69	23.4	28.14	219	133
d Fearn (Geanies)	Mr. A. Munro	5	0	11	200	23.1	22.40	..	..
4.—CROMARTY FIRTH. 714 sq. mi.									
d Muir of Ord (Fairburn)	Major J. S. Stirling	5	1	0	500	..	35.43	221	196
d Dingwall (The Academy)	Ian M. Mackay, Esq., B.Sc.	5	1	0	18	29.0	25.43	248	156
d Lochluichart (East)	Ross-shire Electric Supply Co.	5	1	0	165	..	39.43	228	170
d Lochluichart (West)	Ross-shire Electric Supply Co.	5	1	0	325	..	40.59	188	150
d Loch Glass (Wyvis Ldg.)	Capt. J. R. Abbey	5	1	0	720	..	49.79	248	198
5.—DORNOCH FIRTH. 355 sq. mi.									
d Tain (Ardlarach)	Col. C. MacIver Ritchie	5	1	0	400	31.8	31.27	237	161
Tarbetness	Com'rs. of N. Lighthouses	5	1	10	62	23.0	21.29	..	..
Ardgay (Braelangwell Lodge)	R. E. Lambert, Esq.	5	0	10	180	..	42.77	..	..
6.—ENARD BAY. 78 sq. mi.									
7.—LOCH BROOM & C. 367 sq. mi.									
d Inverbroom (Glackour)	Forestry Commission	5	1	0	65	..	45.65	276	185
d Ullapool	Dr. D. Wallace	5	1	6	75	48.0	35.22	215	168
d Achiltibuie (Old Dornie)	Miss Catherine McLean	5	1	0	80	..	36.00	191	173
8.—LOCH EWE, LOCH TORRIDON & C. 423 sq. mi.									
d Loch Maree (Letterewe)	Mr. Ian Macdonald	5	1	0	32	..	49.21	..	178
d Gairloch (Opinan) <i>new g.</i>	H. Mackenzie, Esq.	5	1	0	50	..	39.28	200	167
d Poolewe (Inverewe Gardens)	C. Boyd, Esq.	5	0	9	20	55.2	45.29	213	180
9.—LOCH CARRON, LOCH ALSH & C. 401 sq. mi.									
d Glenshiel (Kyle)	Mr. M. Macrae*	5	1	0	650	..	118.76	258	211
d Glenshiel (Ratagan)	Forestry Commission	5	1	0	12	80.0	62.92	208	188
d Loch Duich (Inverinate)	J. Finlayson, Esq.	5	1	0	28	..	69.70	222	197
d Loch Carron (Dunhulladale)	Mrs. G. J. Campbell	5	1	0	9	70.5	62.32	241	195
Applecross Gardens	Mr. J. McCowan	5	1	6	70	57.3	46.16	..	..
d ACHNASHELLACH	Forestry Commission	5	1	0	225	84.4	68.92	224	203
10.—INSULAR, OUTER HEBRIDES. 691 sq. mi.									
d Stornoway (Leurbost School)	K. Smith, Esq.	5	0	6	100	..	41.86	..	..
Stornoway Lighthouse	Com'rs. of N. Lighthouses	5	0	6	28	..	37.99	235	181
d STORNOWAY (C. G. Lookout)	Station Officer (M.O.)	3	1	0	79	47.3	42.98	245	199
BUTT OF LEWIS LIGHTHOUSE	Com'rs. of N. Lighthouses	8	3	9	51	39.6	41.66	..	164

DIVISION XIX—NORTHERN COUNTIES.

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

1.—DORNOCH FIRTH. 413 sq. mi.									
d Lairg	A. Gunn, Esq.	5	1	0	330	37.3	34.15	205	155
2.—FLEET, BRORA & C. 309 sq. mi.									
d Golspie (Technical School)	Wm. Macdonald, Esq.	5	1	7	100	32.2	25.38	204	143
3.—HELMSDALE & C. 226 sq. mi.									

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

DIVISION XIX—NORTHERN COUNTIES—(con.)

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.
			Rim above Ground.	Ground above Sea Level.	rain-fall.			
SUTHERLAND—(con.).			in.	ft. in.	ft. in.	in.		
4.—NORTH COAST STREAMS. 736 sq. mi.								
D Skerray (Borgie)	Forestry Commission	5	1 0	110	37.5	37.88	246	188
D STRATHY (Bowside)	J. Edwards Moss, Esq.	5	1 0	125	..	35.93	256	204
d Melvich	M. MacIntosh, Esq.	5	1 0	200	36.0	37.60	(230)	(183)
Cape Wrath	Com'rs. of N. Lighthouses ..	5	0 9	346	..	21.49	246	169
5.—LOCH LAXFORD & C. 256 sq. mi.								
D Loch More (Achfary)	Mr. J. Munro	5	1 0	137	75.8	61.37	253	215 ^a
6.—ENARD BAY. 138 sq. mi.								
7.—INSULAR. 2 sq. mi.								
CAITHNESS. (Area, 696 sq. mi.).								
1.—BERRIEDALE, DUNBEATH & C. 169 sq. mi.								
Berriedale (Langwell)	Duke of Portland	5	1 6	150	33.8	27.87	..	..
Clythness	Com'rs. of N. Lighthouses ..	5	1 5	133	29.6	26.95	..	138
2.—WICK & C. 184 sq. mi.								
D Wick (C. Guard Stn.)	Station Officer (M.O.)	8	1 2	81	29.9	26.75	220	150
Nosshead	Com'rs. of N. Lighthouses ..	5	0 9	129	25.1	21.21	..	..
3.—THURSO & C. 238 sq. mi.								
D Thurso (Buckies)	J. H. M. Davidson, Esq. ...	5	0 11	240	39.0	35.94	263	191
Thurso (Holburn Head)	Com'rs. of N. Lighthouse ..	5	0 8	68	..	30.53	..	174
Duncansby Head	Com'rs. of N. Lighthouses ..	5	..	196	31.4	29.25	209	157
4.—FORSS & C. 104 sq. mi.								
D Reay (The Manse)	Rev. Dugald Carmichael ...	9	1 0	49	36.2	34.89	255	182
5.—INSULAR. 1 sq. mi.								
ORKNEY. (Area, 389 sq. mi.).								
Pentland Skerries Lighthouse	Com'rs. of N. Lighthouses ..	5	3 0	70	..	24.79	235	157
Hoy (Graemsay Sound, High)	Com'rs. of N. Lighthouses ..	5	1 4	29	35.8	35.29	232	187
Hoy (Graemsay Sound, Low)	Com'rs. of N. Lighthouses ..	8	4 4	40	35.9	37.00	233	201
D KIRKWALL (Bignold Park) (+ A)	The Town Council	5	1 0	113	36.9	35.66	236	189
Hellyar Holm	Com'rs. of N. Lighthouses ..	5	1 3	35	32.9	30.95	212	179
Shapinsay (Balfour Castle)	Mr. J. W. Liddell	5	0 6	50	32.0	26.88	..	..
Sanday (Start Point)	Com'rs. of N. Lighthouses ..	5	1 0	27	31.1	31.69	..	..
North Ronaldshay	Com'rs. of N. Lighthouses ..	5	0 9	22	32.8	39.23	239	171
SHETLAND. Area, 558 sq. mi.).								
D LERWICK (The Knab C.G. Stn.)	District Officer (M.O.)	8	1 0	159	35.4	31.84	239	174
D LERWICK OBSERVATORY. (+ A)	Meteorological Office	8	1 0	269	38.1	34.93	248	167
Eahness	Com'rs. of N. Lighthouses ..	..	..	..	34.6	32.60	223	181
D Bixter (Vementry)	Andrew Tait, Esq.	5	1 1	25	37.2	34.92	231	189
D BALTASOUND (Halligarth)	T. E. Saxby, Esq., F.R.F.P.S., J.P.	5	1 0	31	42.1	39.38	296	192

|| Gauge overexposed.

IRELAND.

The arrangement of the stations in Ireland is the same as in the previous volumes of *British Rainfall*. The stations in the counties of Fermanagh, Armagh, Down, Antrim, Londonderry and Tyrone (included in Division XXIII) are in Northern Ireland, while the others are in Eire.

DIVISION XX.—MUNSTER.

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Aver-	age	Rain-	Days	Days
			Rim	Ground	Rain-	fall.	fall.	with	with
			above	above	fall.			·01 in.	·04 in.
			Ground.	Sea Level.				or	or
								more.	more.
CORK. (Area, 2,873 sq. mi.)			in.	ft.	in.	ft.	in.		
1.—SHANNON—Left Bank Tributaries. 79 sq. mi.									
2.—DINGLE BAY. 4 sq. mi.									
3.—KENMARE & C. 47 sq. mi.									
4.—BANTRY BAY. 197 sq. mi.									
d Bantry (The Rectory)	Rev. J. W. Grainger, M.A. .	5	0	7	200	..	60·39	199	166
d Garinish Island	M. Mackenzie, Esq.	5	2	6	24	70·4	69·48	211	167
5.—DUNMANUS BAY. 57 sq. mi.									
6.—BANDON & C. 694 sq. mi.									
d Castle Townshend (GlenBarrahane)	Sir M. P. Coghill, Bt.	5	1	3	100	44·7	45·41	194	148
d Castle Townshend (Seafield)	Major H. Chavasse	5	1	0	40	47·6	44·51	188	131
d Clonakilty (Shannon Vale Ho.)	T. J. Bennett, Esq.	5	1	3	135	..	40·60	..	..
d Kinsale (Scilly House)	J. J. Orr, Esq., M.D.	5	1	0	62	38·5	38·38	200	140
d Kinsale (Nohoval Rectory)	Rev. H. Hadden	5	0	6	272	39·0	37·89	183	140
d Bandon (Floraville)	The Very Rev. Dr. C. A. Webster	5	1	0	100	..	46·84	179	151
7.—CORK HARBOUR. 726 sq. mi.									
d Cloyne (The Deanery)	The Very Rev. Dean of Cloyne	5	1	0	100	..	37·49	175	150
d Cork (Rochelle School)	Miss K. McK. Johnston	5	0	11	50	..	44·78	..	..
d Cork (University College)	(+A) Prof. H. N. Walsh	5	1	0	57	40·0	41·80	200	139
d Cork (University College Farm)	Prof. C. Boyle	5	2	0	75	..	47·57	213	155
d Midleton (BALLINACURRA)	Messrs. John H. Bennett, Ltd.	8	1	0	24	40·4	35·84	182	135
d Carrigtwohill (The Rectory)	Rev. R. J. Colthurst .....	..	..	..	..	..	35·64	192	135
8.—WOMANAGH & C. 118 sq. mi.									
d ROCHES POINT (C. Guard Station)	Miss Roche	8	1	0	22	41·9	39·66	226	160
d Shanagarry (Kimoith)	Miss L. P. Strangman	5	1	0	75	35·2	35·33	183	142
9.—BLACKWATER. 922 sq. mi.									
d Millstreet (Convent)	Sister Columba	5	1	0	412	..	57·07	212	171
d Mallow (Hazlewood)	E. MacLysaght, Esq.	5	0	11	360	39·5	37·20	189	158
d Kanturk (Castlecor)	Mrs. Norton Barry .....	..	..	..	..	37·6	42·07	230	166
10.—SUIR. 3 sq. mi.									
11.—INSULAR. 26 sq. mi.									
KERRY. (Area, 1,851 sq. mi.)									
1.—SHANNON—Left Bank Tributaries. 372 sq. mi.									
d Listowel (Lyracrumpane)	Turf Development Bd. ....	..	..	..	..	..	46·48	202	169
d Ballylongford Rectory	Rev. C. Murray	5	3	6	60	..	38·38	197	156
2.—TRALEE BAY & C. 221 sq. mi.									
3.—DINGLE BAY. 789 sq. mi.									
d VALENTIA OBSERVATORY	(+A). The Superintendent	8	1	3	30	55·7	51·55	225	171
d Gap of Dunloe (Gearhameen)	J. Casey, Esq.	8	1	0	75	94·0	101·20	..	..
d Killarney (Bourn Vincent Mem. Pk.)	A. R. Vincent, Esq.	5	..	..	100	..	62·30	..	..
d Bally McElligott Rectory	Rev. G. Maxwell	5	0	11	20	..	44·35	207	165
d Kenmare (Derreen)	Marquess of Lansdowne .....	..	..	..	55	..	72·89	..	171

DIVISION XX.—MUNSTER—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain-fall.	1939.			
			Height of		ft.		in.	Days with ·01 in. or more.	Days with ·04 in. or more.	
			Rim above Ground.	Ground above Sea Level.						
KERRY—(con.).			in.	ft.	in.	ft.	in.	in.		
4.—KENMARE & C. 426 sq. mi.										
D Darrynane Abbey	Miss F. O'Connell	5	1	0	13	51·0	44·25	221	168	
D Kenmare (Dromore Castle)	Lt.-Col. E. Hood	5	0	9	90	65·1	65·93	243	194	
D Kenmare (Sheen Falls)	Marquess of Lansdowne	5	0	11	25	65·6	66·30	236	184	
5.—BLACKWATER. 30 sq. mi.										
6.—INSULAR. 13 sq. mi.										
WATERFORD. (Area, 715 sq. mi.).										
1.—BLACKWATER. 243 sq. mi.										
d Lismore Castle	E. E. Hey, Esq.	5	1	2	85	42·8	43·87	199	152	
2.—COLLIGAN & C. 259 sq. mi.										
d Dunmore East	W. Lloyd, Esq.	5	1	1	30	..	40·65	..	..
3.—SUIR. 213 sq. mi.										
D Knockaderry Reservoir (No. 2)	D. Sheedy, Esq., C.E.	5	1	0	248	..	45·95	196	156	
D Knockaderry Reservoir (No. 1)	D. Sheedy, Esq., C.E.	5	1	0	248	41·3	45·85	196	156	
D Waterford (Tycor)	D. Sheedy, Esq. C.E.	5	0	7	170	..	36·55	208	156	
D WATERFORD (Gortmore)	Mrs. N. H. White	5	0	11	137	38·9	38·72	207	149	
D Portlaw (Mayfield)	M. Sheehan, Esq.	5	0	10	25	43·1	41·79	190	148	
D CARRICK-ON-SUIR (SESKIN)	L. Grubb, Esq.	8	1	0	535	45·0	40·25	207	152	
TIPPERARY. (Area, 1,660 sq. mi.).										
1.—SHANNON—Left Bank Tributaries. 582 sq. mi.										
D Birdhill (Parteen Weir)	Electricity Supply Board	5	2	0	110	..	42·82	215	183	
D Nenagh (Traverston)	Miss A. H. Norris	5	1	0	333	45·2	44·95	213	176	
D Killaloe (Ballina)	Office of Public Works	5	1	0	126	45·3	40·87	202	149	
D Nenagh (Castle Lough)	Mrs. H. M. Parker-Hutchinson	5	1	3	120	39·5	37·44	(176)	(140)	
D Cloughjordan (Modreeny)	Capt. G. W. Whitfield	5	1	0	275	..	35·61	185	154	
D Terryglass (Slevyre)	B.-Gen. C. J. Hickie, C.M.G.	8	1	0	143	31·9	31·89	235	143	
2.—BLACKWATER. 21 sq. mi.										
3.—SUIR. 965 sq. mi.										
D Clonmel (Ballingarrone Ho.)	W. Bagwell, Esq.	5	0	10	225	..	33·07	192	147	
D Tipperary (Church Street)	T. J. Breen, Esq.	5	7	0	300	..	40·52	179	152	
D Tipperary (Boston Villas)	T. J. Breen, Esq.	5	3	0	309	..	39·28	186	146	
D Cashel (Ballinamona)	E. W. M. Murphy, Esq.	5	1	0	262	36·8	36·11	213	145	
4.—BARROW—Nore. 92 sq. mi.										
LIMERICK. (Area, 1,040 sq. mi.).										
1.—SHANNON—Right Bank Tributaries. 7 sq. mi.										
2.—SHANNON—Left Bank Tributaries. 944 sq. mi.										
D Abbeyfeale (Springmount Sch.)	J. F. O'Kelly, Esq.	5	1	0	360	41·1	40·80	174	153	
D Abbeyfeale (The Presbytery)	Rev. T. Hogan	5	1	0	290	..	42·62	193	162	
D Newcastle West (Heathfield)	E. L. Lloyd, Esq.	5	0	10	475	..	38·38	207	170	
D Knocklong (Kilfrush)	Mrs. Gubbins	5	1	0	312	..	35·26	174	157	
D FOYNES (Coolnanes)	The Lord Monteagle, C.M.G., M.V.O.	8	1	0	43	39·7	35·12	182	133	
D Foynes (National School)	W. Purtill, Esq.	5	2	8	16	39·5	35·87	183	141	
D Pallaskenry	T. O'Byrne, Esq.	8	1	0	20	..	34·36	194	137	
D Limerick (Mulgrave Street)	Messrs. W. J. Shaw & Sons	5	1	1	60	38·2	36·62	197	154	
D Limerick (The Crescent)	W. J. C. Horne, Esq.	5	1	0	50	38·6	34·81	201	144	
d Castleconnell Rectory	Rev. Canon L. G. Davis	5	1	0	88	41·2	(36·76)	..	..

DIVISION XX.—MUNSTER—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain-fall.	1939.		
			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.
LIMERICK—(con.).			in.	ft. in.	ft.	in.	in.		
3.—BLACKWATER. 64 sq. mi.									
4.—SUIR. 25 sq. mi.									
CLARE. (Area, 1,270 sq. mi.).									
1.—GALWAY BAY, SOUTH. 100 sq. mi.									
2.—MAL BAY & C. 294 sq. mi.									
d Inagh (Mount Callan)	Capt. R. G. Tottenham	5	1	0	479	67.2	62.78	172	168
3.—SHANNON—Right Bank Tributaries. 854 sq. mi.									
d Ardacrusha (Power Station)	Electricity Supply Board	5	2	0	89	..	32.68	..	151
d Dromoland Castle	Dowager Lady Inchiquin	5	1	6	45	40.0	39.97	201	148
d Tuamgraney (Raheen Ho.)	E. MacLysaght, Esq.	5	1	2	190	41.9	45.55	185	157
4.—INSULAR. 22 sq. mi.									

DIVISION XXI.—LEINSTER.

WEXFORD. (Area, 902 sq. mi.).									
1.—BARROW. 43 sq. mi.									
2.—OWENDUFF & C. 240 sq. mi.									
d Foulks Mills (Longraigue)	Miss J. Deane	5	1	1	226	39.3	41.95	209	161
3.—SLANEY & C. 467 sq. mi.									
d Johnstown Castle	Lady Maurice Fitzgerald	5	1	3	200	37.0	43.46	190	161
d Enniscorthy (Woodbrook)	Mrs. S. W. Blacker	5	1	0	370	48.8	53.32	229	197
4.—OWENAVORRAGH & C. 146 sq. mi.									
d Gorey (Courtown House)	Earl of Courtown	5	1	0	60	34.7	38.83	241	164
d Gorey (Ram's Gate)	Lt.-Cmdr. A.C.L. Ellis, R.N.R.	5	1	0	170	..	40.36	221	160
5.—OVOCA & C. 6 sq. mi.									
KILKENNY. (Area, 798 sq. mi.).									
1.—SUIR. 162 sq. mi.									
d Mooncoin (Vocational Sch.)	F. Cronin, Esq. . . . .	..	..	..	100	..	38.29	..	..
d Piltown (Bessborough)	The Earl of Bessborough	8	3	7	60	37.7	35.47	199	146
2.—BARROW—Nore. 527 sq. mi.									
d Thomastown (Mall House)	J. Molony, Esq.	5	1	0	90	..	35.19	195	148
d Freshford (St. Joseph's Coll.)	Br. Maurice	5	0	6	..	..	35.78	191	142
d Castlecomer House	Capt. R. H. Prior-Wandesforde	5	1	0	380	39.6	40.57	203	165
3.—BARROW. 109 sq. mi.									
WICKLOW. (Area, 781 sq. mi.).									
1.—BARROW. 12 sq. mi.									
2.—SLANEY. 200 sq. mi.									
d Shillelagh (Coollattin Gardens)	Mr. F. W. Cox	5	0	9	383	41.9	44.29	226	166
3.—OVOCA & C. 241 sq. mi.									
d Rathdrum (Avondale)	Lands & Fisheries Dept.	5	1	0	400	..	46.34	201	177

DIVISION XXI.—LEINSTER—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain- fall.	1939.			
			Height of		ft.		in.	Days with ·01 in. or more.	Days with ·04 in. or more.	
			Rim above Ground.	Ground above Sea Level.						
WICKLOW—(con.).			in.	ft.	in.	ft.	in.	in.		
4.—VARTRY & C. 193 sq. mi.										
D Rathnew (Clonmannon)	R. H. S. Truett, Esq.	5	1	6	27	33·1	36·12	210	157	
D Roundwood (Vartry Lodge)	Dublin Corporation	5	2	6	670	..	47·27	216	163	
D Roundwood	Dublin Corporation	5	2	6	750	44·6	49·79	202	166	
D NEWCASTLE (Killadreenan)	The Med. O. Nat. Hos. Cons.	8	1	2	256	36·0	41·33	212	160	
D Greystones (Burnaby Lodge)	Capt. C. H. West	5	1	0	95	..	39·24	195	153	
D Enniskerry (Ballyorney Ho.)	Lt.-Col. C. Riall	5	1	0	300	..	44·10	190	149	
5.—LIFFEY & C. 135 sq. mi.										
Currough	Electricity Supply Board	..	..	..	900	..	56·27	..	..
Pollaphuca	Electricity Supply Board	5	1	0	..	..	36·83	..	..
D Blessington Rectory	Rev. W. Reeves Scully	5	0	8	670	33·0	(41·88)	..	..
Manor Kilbride	Electricity Supply Board	5	1	0	..	..	48·65	..	..
CARLOW. (Area, 346 sq. mi.).										
1.—BARROW—Nore. 9 sq. mi.										
2.—BARROW. 216 sq. mi.										
D Bagnalstown (Fenagh House)	D.R.P. Beresford, Esq., O.B.E.	5	1	0	340	34·9	37·30	202	153	
D Carlow (Browne's Hill)	B.-Gen. R. Browne Clayton	5	1	0	291	34·1	32·03	186	144	
3.—SLANEY. 121 sq. mi.										
D Hacketstown Rectory	Rev. C. S. S. Ellison	5	1	6	590	39·5	39·76	223	160	
LEIX. (Area, 664 sq. mi.).										
1.—SHANNON—Left Bank Tributaries. 25 sq. mi.										
2.—BARROW—Nore. 339 sq. mi.										
D Abbey Leix (Laburnum Lge.)	D. J. Finnegan, Esq.	5	2	6	..	..	32·12	..	..
D Abbey Leix (Blandsfort)	Mrs. Hum Bland	5	1	0	532	36·5	35·73	226	163	
3.—BARROW. 300 sq. mi.										
D Mountrath (Baunreagh)	Director, Lands & Fisheries Dept.	5	1	2	810	..	51·99	..	164	
D Mountmellick (Summer Grove)	W. A. Robinson, Esq.	5	1	0	252	..	(36·34)	..	..
OFFALY. (Area, 772 sq. mi.).										
1.—SHANNON—Left Bank Tributaries. 560 sq. mi.										
D BIRR CASTLE	The Earl of Rosse	8	1	0	173	32·6	32·93	190	149	
D Meelick (Victoria Lock)	Office of Public Works	5	1	0	121	29·9	30·14	171	137	
D Ferbane (Turraun Peat Works)	Turf Development Bd. Ltd.	8	1	4	165	32·5	32·16	170	147	
D Ballycumber (Bellair Ho.)	Mrs. F. B. Mulock	5	1	2	290	33·9	33·63	199	158	
2.—BARROW—Nore. 5 sq. mi.										
3.—BARROW. 156 sq. mi.										
D Portarlington (Clonsast)	Turf Development Bd. Ltd.	5	1	6	270	..	29·31	..	..
D Edenderry (Tubberdaly Ho.)	J. Murphy, Esq.	5	1	0	330	33·5	30·83	..	..
4.—BOYNE. 51 sq. mi.										
D Edenderry (The Tunnel)	C. T. Calwell, Esq., C.E.	8	1	0	265	..	28·83	182	133	
KILDARE. (Area, 654 sq. mi.).										
1.—BARROW. 332 sq. mi.										
D Athy (Moone)	E. Shackleton, Esq.	5	0	10	274	..	33·53	226	157	
D Athy (Cromaboo Bridge)	Office of Public Works	5	0	11	185	..	27·51	..	..

DIVISION XXI.—LEINSTER—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.			
			Height of Rim above Ground.	Ground above Sea Level.	Average Rain-fall.	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.	
KILDARE—(con.).			in.	ft. in.	ft.	in.	in.		
2.—LIFFEY. 246 sq. mi.									
d Straffan House	F. B. Barton, Esq.	5	1 0	256	31·4	33·19	..	144	
d Clongowes Wood College	The Principal	8	1 4	246	30·2	33·44	217	166	
3.—BOYNE. 76 sq. mi.									
DUBLIN. (Area, 354 sq. mi.).									
1.—VATRY & C. 23 sq. mi.									
d Shankill (Sherrington)	Miss C. Erck	5	1 0	115	29·6	32·78	212	148	
d Killiney (Rathleigh)	H. R. Maunsell, Esq.	5	3 6	..	28·1	30·49	179	133	
2.—LIFFEY & C. 188 sq. mi.									
d Glenasmole Reservoirs	Dublin Corporation	5	0 9	520	..	48·05	220	186	
d Brittas School	Electricity Supply Board	5	1 0	800	..	(35·29)	..	(149)	
d Stillorgan (Vartry Ho.)	Dublin Corporation	5	1 0	262	..	35·78	201	148	
d Kingstown (Harbour Yard)	Office of Public Works	8	1 0	52	28·3	33·76	180	137	
d Kingstown (People's Park)	Dr. T. J. Lydon	8	0 9	25	..	30·10	201	144	
d Blackrock (Newtownpark Av.)	E. Stapleton, Esq.	5	1 0	..	..	32·50	203	146
d RATHFARNHAM Castle	The Rev. Father the Rector	8	1 0	169	28·4	31·58	204	144	
d Belgard Castle	Hugh A. C. Maude, Esq.	5	0 10	450	..	33·46	..	153	
d Rathmines (Neville Road)	T. H. Mason, Esq.	5	1 0	100	28·0	31·80	192	152	
d Dublin (Lower Leeson Street)	Miss A. M. Barrett	5	0 3	..	..	29·17	190	133
d Dublin (Ringsend Pumpg. Stn.)	H. Nicholls, Esq.	10	0 9	23	26·3	28·84	206	139	
d DUBLIN (TRINITY COLLEGE)	R. W. Ditchburn, Esq.	8	1 0	13	26·1	26·41	193	128	
d DUBLIN (PHENIX PARK)	The Director of O.S. Office	8	1 0	155	27·6	29·84	207	143	
d HAZELHATCH (PEAMOUNT SAN.)	The Superintendent	8	1 0	366	..	29·01	203	148	
d Clontarf (Pumping Station)	H. Nicholls, Esq.	5	3 9	17	24·4	28·07	202	136	
d GLASNEVIN (Botanic Gardens)	The Keeper	8	1 0	55	27·9	32·22	213	143	
d Howth (Danesfort)	Mrs. H. E. Guinness	5	0 9	460	..	30·44	173	143	
d Howth Castle	J. Gaisford St. Lawrence, Esq.	5	1 6	35	28·7	31·99	160	143	
3.—NANNY, DELVIN & C. 142 sq. mi.									
d Lusk (Nevitt)	W. Monks, Esq.	5	1 0	139	29·2	35·49	195	137	
d Skerries (Milverton Hall)	Capt. E. G. Woods	5	1 0	190	28·0	35·49	195	136	
4.—INSULAR. 1 sq. mi.									
d Lambay Island	Lord Revelstoke	5	1 0	20	27·4	30·80	..	124	
MEATH. (Area, 909 sq. mi.).									
1.—SHANNON—Left Bank Tributaries. 32 sq. mi.									
2.—LIFFEY & C. 72 sq. mi.									
3.—NANNY, DELVIN & C. 150 sq. mi.									
4.—BOYNE. 560 sq. mi.									
d Summerhill House	Mr. W. Lauder	5	1 0	372	33·7	33·90	204	165	
d Dunsany Castle Gardens	Lord Dunsany	5	1 0	323	33·8	37·15	195	158	
d Navan (Tara Hall)	C. Moore-Brabazon, Esq.	5	1 3	350	..	37·20	215	159	
d Athboy (Frankville)	Mrs. C. P. Coghill	5	1 3	227	..	39·13	..	156	
d Kells (Headfort)	The Marquis of Headfort	8	1 0	227	37·0	38·25	212	152	
5.—DUNDALK BAY. 95 sq. mi.									

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge		Average Rain-fall.	1939.		
			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.
WESTMEATH. (Area, 712 sq. mi.).						<i>in.</i>		
1.—SHANNON—Left Bank Tributaries. 517 sq. mi.								
d Athlone.....	Office of Public Works	5	1	0	116	34.2	35.38	169
d Athlone (Twyford House)	J. P. Hodson, Esq.	5	1	0	187	37.0	35.40	188
d Moate (Coolatore)	H. A. S. Upton, Esq.	5	1	6	369	33.5	32.92	202
d Mullingar (Belvedere House)	Col. C. Howard Bury	5	1	0	367	36.3	40.12	223
d Mullingar (Ballynegall Gardens)	Major Hawkesworth Smyth ..	5	0	5	357	39.0	37.04	196
d Castlepollard (Pakenham Hall)	The Earl of Longford	5	3	0	300	36.6	36.11	182
2.—BOYNE. 195 sq. mi.								
LOUTH. (Area, 316 sq. mi.)								
1.—BOYNE. 32 sq. mi.								
2.—DUNDALK BAY & C. 264 sq. mi.								
d Ardee (Lissrenny)	Capt. R. A. B. Filgate ..	8	0	10	75	..	33.52	198
d Dundalk (Annaskea Res.)	The Surveyor	5	0	10	200	..	41.03	187
3.—CARLINGFORD LOUGH. 20 sq. mi.								
d Greenore	S. Wilson, Esq.	5	1	6	20	31.9	37.30	189
LONGFORD. (Area, 424 sq. mi.)								
1.—ERNE. 61 sq. mi.								
2.—SHANNON—Left Bank Tributaries. 363 sq. mi.								
d Ballymahon (New Castle)	Col. W. A. King-Harman ..	5	1	0	200	36.7	40.10	202
d Keenagh	Electricity Supply Board ...	5	1	3	235	..	31.65	172
d Cloondraha	Office of Public Works	5	1	0	132	31.5	33.80	198
d NEWTOWNFORBES (Cas.F.Gns.)	J. Boyle for The Earl of Granard.	8	1	0	154	37.6	41.13	..
d Gaique School	Electricity Supply Board ...	5	1	9	390	..	35.49	..
DIVISION XXII.—CONNAUGHT.								
GALWAY. (Area, 2,377 sq. mi.)								
1.—ERIFF & C. 141 sq. mi.								
d Moyard (Ballynakill Rectory)	Rev. B. C. B. Irwin	5	2	0	70	..	52.36	223
2.—GALWAY BAY NORTH. 277 sq. mi.								
3.—CORRIB. 846 sq. mi.								
d Galway (Grammar School)	The Headmaster	5	1	0	64	40.0	35.58	200
d Moycullen (Moycullen Ho.)	Major S. Perry	5	1	0	400	..	49.10	222
d Ballynahinch Castle	H.H. Maharaja of Nawanagar ..	5	1	9	41	61.0	50.99	..
d Tuam Palace Gardens	G. H. Greenham, Esq.	5	1	0	140	44.0	40.92	225
4.—GALWAY BAY, SOUTH. 281 sq. mi.								
5.—SHANNON—Right Bank Tributaries. 803 sq. mi.								
d Portumna	Electricity Supply Board ...	5	3	0	32.88	183
d Ahascragh (Clonbrock)	The Hon. Miss Dillon	5	1	0	198	41.6	40.21	..
d Mt. Bellew B.N.S.	Electricity Supply Board ...	5	2	0	200	42.4	38.32	193
d Ballygar	Electricity Supply Board ...	5	200	..	37.91	205
d Glenamaddy	Electricity Supply Board ...	5	2	0	37.91	(198)
6.—INSULAR. 29 sq. mi.								
1.—SHANNON—Left Bank Tributaries. 517 sq. mi.								
d Athlone.....	Office of Public Works	5	1	0	116	34.2	35.38	169
d Athlone (Twyford House)	J. P. Hodson, Esq.	5	1	0	187	37.0	35.40	188
d Moate (Coolatore)	H. A. S. Upton, Esq.	5	1	6	369	33.5	32.92	202
d Mullingar (Belvedere House)	Col. C. Howard Bury	5	1	0	367	36.3	40.12	223
d Mullingar (Ballynegall Gardens)	Major Hawkesworth Smyth ..	5	0	5	357	39.0	37.04	196
d Castlepollard (Pakenham Hall)	The Earl of Longford	5	3	0	300	36.6	36.11	182

DIVISION XXII.—CONNAUGHT—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			Average Rain-fall.	1939.		
			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.
ROSCOMMON. (Area, 961 sq. mi.).			<i>in.</i>	<i>ft. in.</i>	<i>ft.</i>	<i>in.</i>	<i>in.</i>		
1.—SLIGO BAY. 6 sq. mi.									
2.—MOY. 11 sq. mi.									
3.—CORRIB. 16 sq. mi.									
4.—SHANNON—Right Bank Tributaries. 928 sq. mi.									
d Roscommon	Electricity Supply Board	5	2	0	..	203	35.85	198	161
d Lanesborough	Electricity Supply Board	5	1	3	165	..	36.03	..	..
d Strokestown (Castlenode)	W. J. Walpole, Esq.	5	1	6	160	35.0	36.89	196	152
d Castlereagh	Electricity Supply Board	5	1	0	225	..	39.82	200	166
d Keadew	Electricity Supply Board	5	3	0	170	..	35.02	221	193
MAYO. (Area, 2,149 sq. mi.).									
1.—SLIGO BAY. 10 sq. mi.									
2.—MOY & C. 797 sq. mi.									
d Castlebar Rectory	Rev. J. Jackson, M.A.	5	1	0	145	50.0	50.25	236	190
d Ballina (The Rectory)	Rev. C. J. A. Harris, B.A.	5	1	0	75	..	40.05	232	190
3.—BLACKSOD BAY & C. 411 sq. mi.									
d BLACKSOD POINT	Sub-Postmistress	8	1	0	10	49.7	46.29	230	168
4.—CLEW BAY. 254 sq. mi.									
d Louisburgh (Old Head House)	Mrs. F. N. Neil	5	1	6	120	..	41.72	224	184
d Westport House	The Marquess of Sligo	5	1	0	35	46.6	38.57	196	157
d MALLARANNY	Chief Eng. G.S. Ry. Dublin	5	1	0	120	59.8	64.83	229	203
5.—ERIFF & C. 121 sq. mi.									
d Aasleagh House	The Marquess of Sligo	5	1	0	30	95.2	102.13	245	208
d Delphi Lodge	The Marquess of Sligo	5	1	0	110	99.0	97.54	243	224
6.—CORRIB. 432 sq. mi.									
d Tourmakeady (Drimbawn Ho.)	Capt. E. G. Woods	5	1	0	100	..	55.48	225	148
7.—SHANNON—Right Bank Tributaries. 35 sq. mi.									
8.—INSULAR. 86 sq. mi.									
SLIGO. (Area, 716 sq. mi.).									
1.—DROWES & C. 49 sq. mi.									
2.—SLIGO BAY. 444 sq. mi.									
d Collooney (MARKREE CAS.)	The late Mjr. Cooper's Trus.	5	1	0	122	43.5	40.17	208	176
d Sligo (Ard-na-veagh)	R. J. Kirwan, Esq., C.E.	5	1	0	90	41.5	38.20	215	165
3.—MOY & C. 166 sq. mi.									
4.—SHANNON—Right Bank Tributaries. 56 sq. mi.									
5.—INSULAR. 1 sq. mi.									
LEITRIM. (Area, 615 sq. mi.).									
1.—ERNE. 152 sq. mi.									
2.—DROWES & C. 85 sq. mi.									
3.—SLIGO BAY. 135 sq. mi.									
4.—SHANNON—Right Bank Tributaries. 47 sq. mi.									
5.—SHANNON—Left Bank Tributaries. 196 sq. mi.									
d Cloone	Electricity Supply Board	5	1	6	280	..	39.06	189	147
d Carrick-on-Shannon (Monastery)	Brother Mark	5	1	5	200	..	44.53	..	..
d Drnmshanbo (Lough Allen Sluice)	Office of Public Works	5	1	0	169	36.6	35.47	201	141

DIVISION XXIII.—ULSTER.

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge				1939.		
			Height of		Average Rain-fall.	Days with .01 in. or more.	Days with .04 in. or more.		
			Rim above Ground.	Ground above Sea Level.					
CAVAN. (Area, 753 sq. mi.).			in.	ft.	in.	ft.	in.		
1.—ERNE. 489 sq. mi.									
D Crossdoney (Kevit Castle)	Dr. F. P. Smith	5	1	0	211	35.5	38.98	187	157
D Killashandra (Castle Hamilton)	G. Hamilton, Esq.	5	1	0	400	..	37.30	166	141
2.—SHANNON—Right Bank Tributaries. 34 sq. mi.									
D Glangevlin	Electricity Supply Board	5	2	0	560	..	(51.73)	..	..
3.—SHANNON—Left Bank Tributaries. 91 sq. mi.									
4.—BOYNE. 122 sq. mi.									
5.—DUNDALK BAY. 17 sq. mi.									
FERMANAGH. (Area, 713 sq. mi.).									
1.—ERNE. 667 sq. mi.									
D Newtownbutler (Crom Castle)	G. R. J. Corbett, Esq.	5	1	1	200	38.7	41.45	222	165
D Florencecourt	Earl of Enniskillen	5	1	0	274	48.5	44.97	206	159
D Enniskillen (Castle Coole)	Lady Margaret Lowry-Corry	5	1	0	240	41.0	34.25	227	159
D Enniskillen (Portora School)	The Headmaster	5	1	0	251	40.3	31.06	..	..
D Colebrooke	Sir Basil Brooke, Bt.	5	1	0	250	..	39.23	200	164
D Ballinamallard (Rossfad)	Lt.-Col. H. S. C. Richardson	5	0	11	200	..	38.57	192	153
D Belleek (Roscor)	J. H. Dick, Esq.	5	1	0	500	..	45.54	228	188
D Belleek (Heronshaw)	T. Beacom, Esq.	5	1	2	150	45.5	43.15	208	183
2.—DROWES & C. 46 sq. mi.									
MONAGHAN. (Area, 498 sq. mi.).									
1.—ERNE. 208 sq. mi.									
2.—DUNDALK BAY. 132 sq. mi.									
3.—BANN—Lough Neagh, West. 158 sq. mi.									
ARMAGH. (Area, 514 sq. mi.)									
1.—DUNDALK BAY. 118 sq. mi.									
D Crossmaglen (Anamar)	P. Norris, Esq.	5	1	1	384	36.2	37.68	175	148
2.—CARLINGFORD LOUGH. 23 sq. mi.									
D Bessbrook (The Woodhouse)	J. S. W. Richardson, Esq.	5	1	0	260	37.2	41.51	216	166
3.—BANN—Lough Neagh, East. 37 sq. mi.									
4.—BANN. UPPER. 144 sq. mi.									
D Markethill (Whitecross)	Gov. of Northern Ireland	5	1	0	400	..	42.63	..	163
5.—BANN—Lough Neagh, West. 192 sq. mi.									
D Keady (Derrynoose Rec.)	Rev. T. F. Campbell	5	1	0	380	..	35.65	235	167
D Tynan Abbey	Capt. C. N. L. Stronge	5	1	0	167	..	35.44	200	166
D ARMAGH (Observatory)	(+A) The Dir. of Obsy. (M.O.)	8	1	0	204	31.7	32.50	222	163
D Richhill (Sandymount)	Mrs. C. B. Lamb	5	1	6	200	29.3	32.12	203	165
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	41.81	183	153
2.—DUNDRUM BAY & C. 173 sq. mi.									
D Silent Valley (Belfast W.W.)	S.H.W. Middleton, Esq., C.E.	5	1	0	426	..	51.31	214	162
D Annalong (Belfast W.W.)	S.H.W. Middleton, Esq., C.E.	5	2	9	435	47.5	47.29	188	157
D Mourne Mount'ns (Fofanny Res.)	J. E. Croasdaile, Esq., M.A.	5	1	0	938	64.4	71.05	171	152
D Seaforde	T. W. Forde, Esq.	8	1	0	180	38.3	36.58	203	164

DIVISION XXIII.—ULSTER—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.				
			Height of		Average Rain-fall.	Rain-fall.	Days with ·01 in. or more.	Days with ·04 in. or more.		
			Rim above Ground.	Ground above Sea Level.						
DOWN—(con.).			in.	ft.	in.	ft.	in.	in.		
3.—STRANGFORD LOUGH. 260 sq. mi.										
d Strangford	G. L. Hildebrand, Esq.	5	0	8	30	..	34·84	188	141	
d Saintfield House	Rev. Canon E. H. Blackwood-Price	5	0	9	300	34·9	36·43	211	146	
d Newtownards (Grey Abbey)	H. H. K. Worsley, Esq.	5	1	0	30	..	35·81	212	165	
4.—COAST STREAMS. 47 sq. mi.										
d DONAGHADEE (C. Guard Stn.)	The Station Officer (M.O.)	8	1	0	40	31·3	34·34	201	157	
d Donaghadee (Craigmore)	Miss E. E. Coates	5	1	0	60	30·6	33·46	198	146	
d Donaghadee (Orlock Reservoir)	The Resident Engineer	5	1	0	43	..	31·70	188	147	
5.—BELFAST LOUGH. 206 sq. mi.										
d Dromara	Gov. of Northern Ireland	5	1	0	..	..	41·27	213	165	
d Annaghanoon	W. J. Gibson, Esq.	5	1	0	200	..	32·91	..	..
d Waringstown (The Forge)	W. J. Gibson, Esq.	5	1	0	184	32·2	33·48	212	157	
d HILLSBOROUGH (Ag. Research Inst.)	The Secretary	5	1	0	388	..	33·52	208	165	
6.—BANN—Lough Neagh, East. 7 sq. mi.										
7.—BANN, UPPER. 162 sq. mi.										
d Portadown (Moyallon House)	Mr. J. Eccles	5	0	7	130	32·6	(31·59)	..	..
8.—INSULAR. 2 sq. mi.										
ANTRIM. (Area, 1,193 sq. mi.)										
1.—BELFAST LOUGH. 107 sq. mi.										
d LISBURN SCHOOL	The Headmaster	8	1	0	208	34·1	38·72	184	148	
d Lambeg (Glenmore House)	Linen Industry Res. Assn.	8	0	11	100	..	38·77	186	161	
d Dunmurry (Warren House)	Col. H. R. Charley	5	0	10	110	..	39·12	221	175	
d Dunmurry (Lagmore)	S.H.W. Middleton, Esq., C.E.	5	1	0	385	..	(41·90)	..	..
d Belfast (Queen's University)	J. A. Badger, Esq.	5	1	0	62	34·5	(36·68)	(203)	(153)	
d Belfast (Sewage Works)	R. B. Donald, Esq., C.E.	8	1	0	26	35·8	37·19	210	153	
d Belfast (Oldpark Filters)	S.H.W. Middleton, Esq., C.E.	5	1	0	203	39·0	43·17	206	166	
d Carrickfergus (Dorisland)	S.H.W. Middleton, Esq., C.E.	5	1	0	250	..	40·39	202	162	
d Carrickfergus (S. Woodburn)	S.H.W. Middleton, Esq., C.E.	5	1	0	640	44·5	47·83	226	184	
d Carrickfergus (N. Woodburn)	S.H.W. Middleton, Esq., C.E.	5	1	0	735	45·5	47·74	228	176	
d Carrickfergus (Copeland)	S.H.W. Middleton, Esq., C.E.	5	1	0	427	40·0	39·35	211	165	
d Carrickfergus (L. Mourne)	S.H.W. Middleton, Esq., C.E.	5	1	0	596	42·5	40·83	226	165	
2.—GLENARM & C. 186 sq. mi.										
d Larne (Sallagh Springs)	J. E. Croasdale, Esq., M.A.	5	1	0	566	50·0	47·44	201	181	
3.—BUSH & C. 193 sq. mi.										
d Ballycastle (Magherintemple)	Capt. J. Casement, D.S.O.	5	1	0	230	42·6	41·58	235	179	
4.—BANN, LOWER. 112 sq. mi.										
d Toomebridge	Govt. of Northern Ireland	5	..	..	59	..	34·01	195	163	
5.—BANN—Lough Neagh, East. 590 sq. mi.										
d Stonyford (Belfast W.W.)	S.H.W. Middleton, Esq., C.E.	5	1	0	453	..	45·07	229	185	
d Leathemstown (Belfast W.W.)	S.H.W. Middleton, Esq., C.E.	5	1	0	534	..	(42·31)	..	..
d ALDERGROVE (Aerodrome) (+A)	Meteorological Office	8	1	0	268	33·0	36·18	216	162	
d Randalstown (Hollybrook)	N. F. Webb, Esq.	5	1	0	120	..	(41·01)	(223)	(173)	
d Ballymena (Harryville)	J. R. Williams, Esq.	5	1	5	150	41·5	42·93	219	192	
d Broughshane (Tullymore Sch.)	E. W. Thomson, Esq.	5	1	2	218	..	42·65	227	170	
d Broughshane (Quolie)	Capt. H. Simpson, C.E.	5	1	6	864	47·3	50·92	227	199	
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	34·62	222	172	

§ Gauge over-exposed.

DIVISION XXIII.—ULSTER—(con.).

STATIONS.	AUTHORITIES.	Diam.	Rain-gauge			1939.		
			Height of		Average	Rain-fall.	Days with .01 in. or more.	Dqys with .04 in. or more.
			Rin above Ground.	Ground above Sea Level.	Rain-fall.			
LONDONDERRY—(con.).			in.	ft. in.	ft.	in.		
2.—BUSH & C. 9 sq. mi.								
Portrush (Carnal Ridge).....	J. Bankhead, Esq.....	5	1	6	100	..	32.54	..
3.—BANN, LOWER. 240 sq. mi.								
Upperlands (Ardara).....	H. J. Clark, Esq.	5	1	0	250	..	41.22	229
GARVAGH (MONEYDIG)	J. Porter, Esq.	5	1	0	121	..	38.06	239
Coleraine (The Cutts)	Govt. of Northern Ireland ..	5	1	0	22	..	34.64	220
Coleraine (Ingledene)	W. R. Johnston, Esq.	5	3	4	55	..	34.71	225
4.—BANN—Lough Neagh West, 196 sq. mi.								
5.—FOYLE & C. 385 sq. mi.								
Glenedra (Spelhoagh Mountain) ..	Londonderry C.B.C.	5	1	0	1333	60.0	60.91	..
Glenedra Hill	Londonderry C.B.C.	5	1	0	1333	62.5	61.14	..
Glenedra Lodg	Londonderry C.B.C.	5	1	0	950	57.0	58.51	..
Glenedra (Altgarra Mountain) ..	Londonderry C.B.C.	5	1	0	1230	..	53.91	..
Dungiven (Labyheige)	Londonderry C.B.C.	5	1	0	1150	..	55.37	..
Altnahegligh (Altbrogy Burn) ..	Londonderry C.B.C.	5	1	0	967	..	54.43	..
Glenedra Intake	Londonderry C.B.C.	5	1	0	740	..	53.10	..
Altnahegligh (Glack Burn).....	Londonderry C.B.C.	5	1	0	967	..	49.27	..
Dungiven (Banagher Filters) ..	Londonderry C.B.C.	5	1	0	363	..	46.88	255
Londonderry (Creggan Res.).....	Mr. W. Hutchison	8	1	0	325	41.8	39.54	259
Limavady (Roevista Manse)	Rev. W. Browne	5	1	0	70	37.0	30.50	228
Limavady (Drénagh)	M. M. McCausland, Esq.....	5	1	6	80	37.0	33.31	219
TYRONE. (Area, 1,257 sq. mi.).								
1.—ERNE. 46 sq. mi.								
2.—BANN—Lough Neagh, West. 442 sq. mi.								
Dungannon (Aloha)	Major R. Stevenson	5	1	0	275	37.2	41.80	231
Castlecaulfield (Parkanaur)	Capt. Y. A. Burges	8	0	6	250	..	39.44	212
Cookstown (Ulster Dairy Sch.)....	The Principal .....	..	..	..	..	..	35.32	186
3.—FOYLE. 769 sq. mi.								
Omagh (Edenfel).....	Miss H. M. Buchanan	8	1	0	280	40.1	37.63	221
Sion Mills (Sion House)	Capt. J. C. Herdman.....	5	1	0	100	39.0	37.85	216
DONEGAL. (Area, 1,875 sq. mi.).								
1.—DONAGH & C. 146 sq. mi.								
Carndonagh (Rocksmount)	Cecil Porter, Esq.	5	1	0	50	..	40.37	235
MALIN HEAD (C.G. Stn.)	P. Farren, Esq.	8	1	0	84	39.6	34.97	226
2.—LOUGH SWILLY. 273 sq. mi.								
Buncrana Rectory	Rev. R. P. Meredith	5	1	0	50	..	34.81	230
3.—SHEEPHAVEN & C. 307 sq. mi.								
Dunfanaghy (St. Patrick's)	W. T. Arnold, Esq.	8	1	0	30	39.0	33.73	250
Rosapenna Hotel	Rosapenna Hotel Co.	5	1	0	30	..	34.23	204
4.—GWEEBARRA & C. 341 sq. mi.								
5.—DONEGAL BAY. 322 sq. mi.								
Dunkineely (Killaghtee Ho.).....	Rev. Canon J. C. Steele* ..	5	1	0	148	..	37.60	216
6.—ERNE. 68 sq. mi.								
7.—DROWES & C. 10 sq. mi.								
8.—FOYLE. 396 sq. mi.								
9.—INSULAR. 12 sq. mi.								

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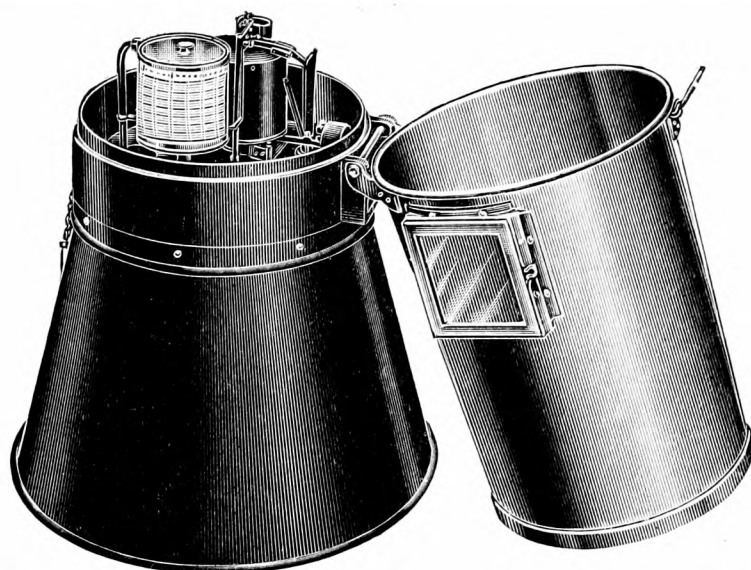
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