

Monthly Weather Report

OF THE METEOROLOGICAL OFFICE

Summary of observations compiled from returns of official stations and voluntary observers

Volume 84 Number 6

Published by HER MAJESTY'S STATIONERY OFFICE

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June 1967 — Warm mid-month, thunderstorms during last week

Anticyclones dominated the weather until the 18th, but thereafter weather was mainly cyclonic in character.

For most of the first week pressure was high over southern districts but a succession of frontal systems moved eastwards across Scotland. Over most of England and Wales weather was dry and warm with good sunny periods, and afternoon temperatures in south-east England and the Midlands reached 23°C on the 5th and 6th; it was rather cool, however, in some southern and western coastal districts as sea-fog patches drifted inland. In Scotland, on the other hand, weather was generally unsettled, troughs from the Atlantic bringing widespread rain on the night of the 2nd/3rd, and again on the 5th and 6th as a depression moved eastwards from Iceland to Scandinavia.

Behind the depression, pressure rose considerably to the north-west of the British Isles on the 7th and north-westerly winds spread over the whole country bringing a marked fall of temperature and scattered showers to Scotland and northern England. The cool, showery weather continued in most eastern districts on the 8th, but in the west weather was mainly dry with long sunny periods as pressure continued to rise.

On the 9th an anticyclone which, for several days, had been centred to the south-west of Ireland, moved north-eastwards to cover the British Isles. This was the beginning of a fine, sunny spell which lasted for about 10 days with temperatures well above the average and with little measurable rain. The 17th and 18th were the warmest days of this period with afternoon temperatures reaching 25°C in many places. In eastern coastal districts, however, weather remained rather cool with variable cloud, and there was some slight drizzle on the 16th and 17th.

By the 19th the main centre of high pressure had withdrawn to the Azores and westerly winds accompanied by rain in places spread over the country. During the next three days small wave depressions formed to the west of Ireland and rain was widespread and heavy at times as associated fronts moved eastwards across the country. On the 23rd a depression off the south-west of Ireland deepened considerably as it moved slowly north-eastwards, and thundery troughs which developed over France moved northwards in the general circulation of the depression. Thunderstorms reached south-east England on the 23rd and they extended to most districts and were heavy at times on the 24th and 25th. In these storms rainfall exceeded 25mm at many places on both days. At Aberystwyth, Cardiganshire, a fall of 36mm was recorded in 42 minutes, and at Weybridge, Surrey, 30mm fell in half an hour. Flooding was extensive in many parts of the country, particularly in north-west England.

The depression, for some time centred off south-west Ireland, brought heavy rain to Cornwall on the 26th as it became centred over the Bristol Channel, but the rain gave place to showers the next day as the depression moved eastwards along the English Channel and filled up. Fronts associated with a deep depression near Iceland brought a renewal of rain to most districts on the 28th, except to south-east England which remained mainly dry and sunny, and this rain persisted in the south-west for much of the 29th. Behind the rain-belt an anticyclone developed over southern England, and the last day of the month was generally quiet and dry with 11-12 hours of sunshine.

Pressure and Wind — Mean pressure was above the 1931-60 average everywhere, the excess at 0900 GMT ranging from 6.0 mb at Scilly to 2.1 mb at Lerwick. Surface winds were generally light and variable until the 18th apart from south-westerlies on the 5th and 6th and north-westerlies on the 7th and 8th. During the remainder of the month winds were mainly from a westerly point. It was a quiet month generally but wind reached gale force on 8 days in Scotland and on 4 days in England and Wales. A gust of 66 kt was recorded at Kirkwall on the 4th.

Temperature — Mean temperatures were somewhat below the average in East Anglia but slightly exceeded the average in the west country. Over most of the country except eastern England, there was a warm

spell of about 10 days centred around mid-month with cooler periods before and after, around the 7th and 21st.

Extremes included: — (England and Wales) 26.7°C at Worcester on the 14th, -2.2°C at Santon Downham on the 9th and at Moor House on the 12th; (Scotland) 26.7°C at Thorntonhall on the 14th, -0.6°C at Balmoral on the 12th, Strachan on the 11th and 12th and Buddon Ness on the 14th; (Northern Ireland) 25.0°C at Strabane Convent on the 17th, 0.0°C at Loughermore Forest on the 9th.

Rainfall — Over most of the country there was little measurable rain from the 9th until the 19th, and most of the month's rain fell during the last week. In England and Wales rainfall was above the average over much of north-west and south-east England and over the coastal districts of Lincolnshire; it was more than 150 per cent of the average around the estuary of the Humber and locally in the extreme south-east of Sussex. Elsewhere it was mainly below the average and less than 25 per cent of the average over part of the West Riding of Yorkshire and in the extreme east of Norfolk around Gorleston. In Scotland rainfall was above the average in some western districts north of the Clyde, but elsewhere it was below the average and in many parts of the east north-east it was less than half the average.

Thunder was heard on 7 days in Scotland and on 8 days in England and Wales, mainly during the last week. A feature of the month was the heavy rain and widespread thunderstorms on the 24th and 25th. Many places had as much rain during these two days as they normally record during the whole of June.

Sunshine — Over the whole of Scotland except for a few isolated areas on the east coast, sunshine was above the average. Excesses of more than 50 hours occurred in many northern districts of the mainland where some places had their sunniest June for more than 20 years. In England and Wales sunshine was generally above the average except near the east coast and locally in the extreme south-west, percentages of the local average ranging from 130 at Askham Bryan in the West Riding of Yorkshire and Ringway (Manchester) to 70 at Gorleston.

Fog — Morning fog was reported at 0900 GMT from one place or another on 12 days in Scotland and on 17 days in England and Wales. It was most widespread in south-west England on the 4th and 5th, and along parts of the south coast from the Isle of Wight to Dover on the 24th and 25th.

Miscellaneous Phenomena — The aurora was visible in parts of Scotland and from Leconfield in the East Riding of Yorkshire on the night of the 9th/10th, and from Pershore, Worcestershire on the 12th/13th.

TABLE I—DISTRICT VALUES, JUNE, 1967

DISTRICTS	AIR TEMPERATURE °C					EARTH TEMP. °C		RAIN DAYS	RAIN-FALL	SUNSHINE
	*Highest Max.	*Lowest Min.	Max.	Min.	Mean	Mean 30 cm.	Mean 122 cm.			
0 SCOTLAND, N.	21.1	3.1	+0.2	-0.3	0.0	-	-	0	88	126
1 SCOTLAND, E.	24.4	2.2	0.0	-0.1	-0.1	-	-	-3	60	115
2 ENGLAND, N.E.	23.3	3.3	-0.3	-0.5	-0.5	+0.2	-0.1	-5	69	107
3 ENGLAND, E.	23.4	2.2	-0.9	-0.4	-0.6	-0.2	-0.1	-6	74	92
4 MIDLANDS	24.1	3.9	-0.1	-0.4	-0.3	+0.4	+0.2	-5	81	118
5 ENGLAND, S.E.	25.0	2.8	-0.5	-0.5	-0.5	-0.4	-0.2	-5	108	99
6 SCOTLAND, W.	23.7	1.1	0.0	-0.4	-0.2	+0.4	-0.3	-2	85	116
7 ENGLAND, N.W. and N. Wales	24.8	3.9	+0.3	-0.2	0.0	-0.3	-0.3	-3	108	115
8 ENGLAND, S.W. and S. Wales	23.9	2.8	0.0	-0.3	-0.1	-0.5	-0.4	-5	55	109
N. IRELAND	23.3	1.5	+0.1	-1.0	-0.5	-	-	-3	56	101
SCOTLAND	24.4	1.1	+0.1	-0.3	-0.1	-	-	-2	77	119
ENG. and WALES	24.8	2.2	-0.3	-0.4	-0.3	-	-	-5	75	107

*Highest Max. and Lowest Min. of the District Value Stations.