

Monthly Weather Bulletin

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Very Warm but Dull in the West

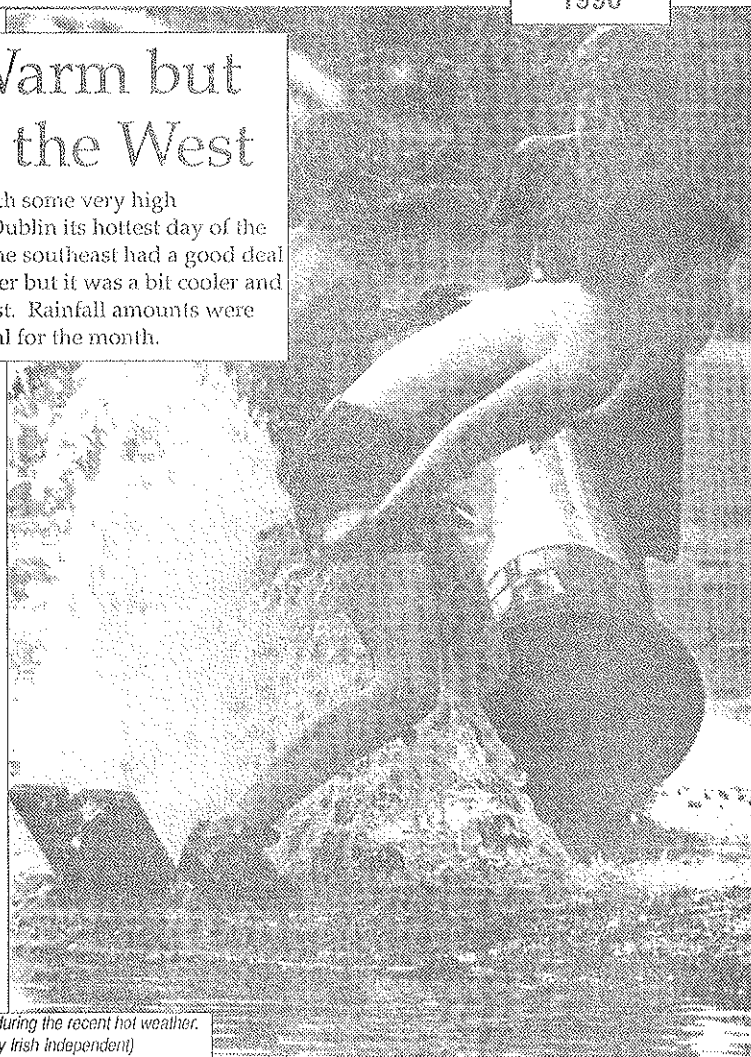
The month began with some very high temperatures, giving Dublin its hottest day of the century on the 2nd. The southeast had a good deal of warm, sunny weather but it was a bit cooler and much duller in the west. Rainfall amounts were generally below normal for the month.

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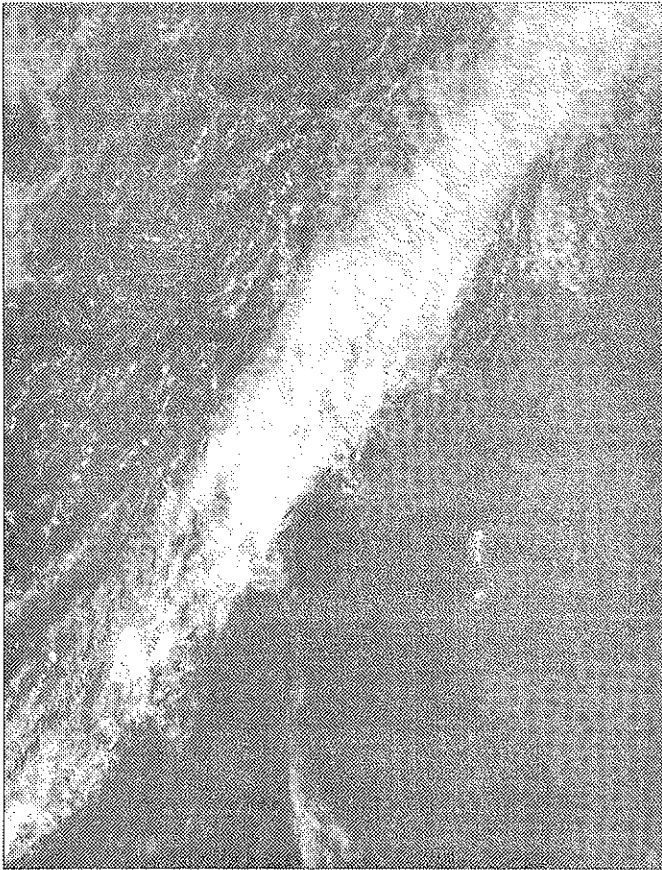


Keeping cool in the city during the recent hot weather.
(photo courtesy Irish Independent)

Mainly unsettled - best of the weather in the southeast

The month began with a southerly flow of warm continental air which brought good sunshine and some very high temperatures in the east. (See feature article) A weak cold front came slowly eastwards

across the country on the 3rd bringing in cooler Atlantic air to all areas by the 4th. Thus ended a long period of settled summer weather and the Atlantic influence remained dominant for the rest of the month.



The arrival of this weak front on the 2nd meant the end of the hot weather that began around the 11th of July. The 2nd was the hottest day of the month in the midlands and east and the hottest in more than a century in Dublin city. (photo Dundee University)

Between the 4th and the 7th there was a cooler northwesterly or westerly wind and just a few showers. From the 8th to the 12th winds were southwesterly with the main Atlantic low well to the north and an anticyclone to the southwest or south of Ireland. We had occasional rain or showers and on the 12th some of the showers were heavy. Over the first thirteen days there was a marked contrast between the southeast where Rosslare had no rain and the northwest where Malin Head had some 35 millimetres. This is a common summer weather pattern: high pressure to the south or east, occasionally interrupted by mainly weak fronts, bringing warm and sunny weather to much of the country while the northwest is affected by the cloud and rain of fronts trailing by to the north.

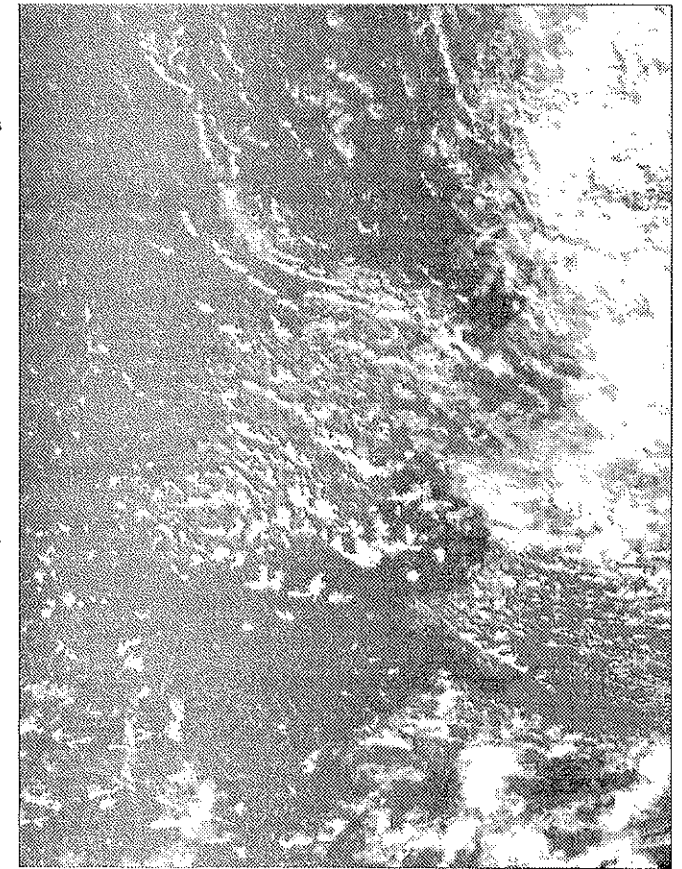
The main Atlantic depression which was south of Iceland on the 12th moved eastwards past the north of Scotland the next day. The next Atlantic low-pressure area approached Ireland late on the 14th and crossed over the north coast during the 15th. It caused widespread rain late on the 14th and early on the 15th, followed by the windiest conditions of the month - a blustery cool westerly which persisted through to the 16th. Winds were generally light to moderate during the month, gusting to gale force everywhere only on the 15th and 16th. Casement Aerodrome recorded the strongest gust of the month, 45 knots, on the 15th. Otherwise gale gusts were confined to some coastal locations. The only report of hail during August came from Kilkenny on the 16th.

During the 17th a rainbelt came in from the Atlantic and became

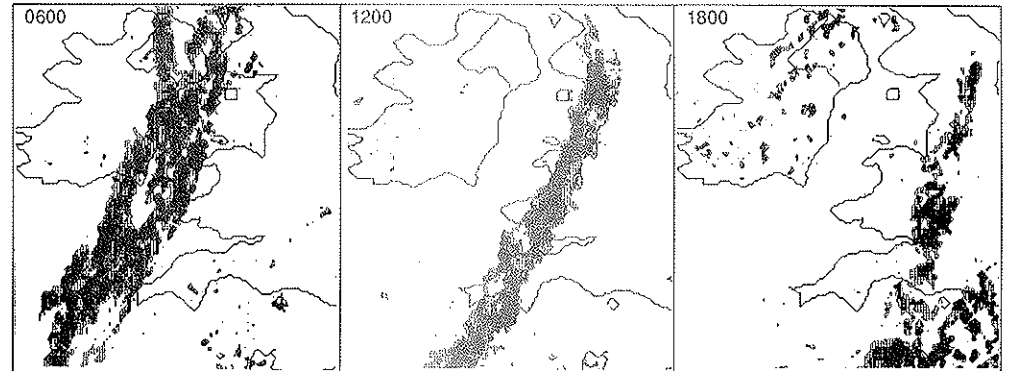
slow-moving. The 18th was a humid day with a wave depression bringing widespread rain in the evening and early on 19th as it moved eastwards across the centre of the country. A fresher westerly to northwesterly windflow followed.

Pressure rose during the 20th and 21st as a ridge in the region of the Azores extended north-eastwards and by the 22nd the airmass over the country was a warm, humid southwesterly. On the 23rd a line of thundery activity extending from Kerry to Antrim developed and the following day the thundery activity was most marked in the midlands and east. Flash floods were caused in parts of Dublin by a thunderstorm on the evening of the 24th which gave 17 to 18mm of rain in some places.

Conditions were slightly less warm and humid on the 25th but there were a few showers in the evening. Much of the fog that occurred during August was confined to this very humid period from the 21st to the 25th. Most stations had between 1 and 5 days with fog, although there were 10 such days at Cork Airport. During the 26th and

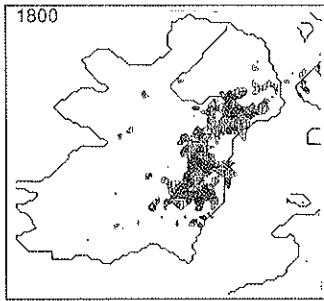


Sunshine and blustery showers on Thursday the 16th following the passage of a depression the previous day. It was the sunniest day of the month in the west. (photo Dundee University)



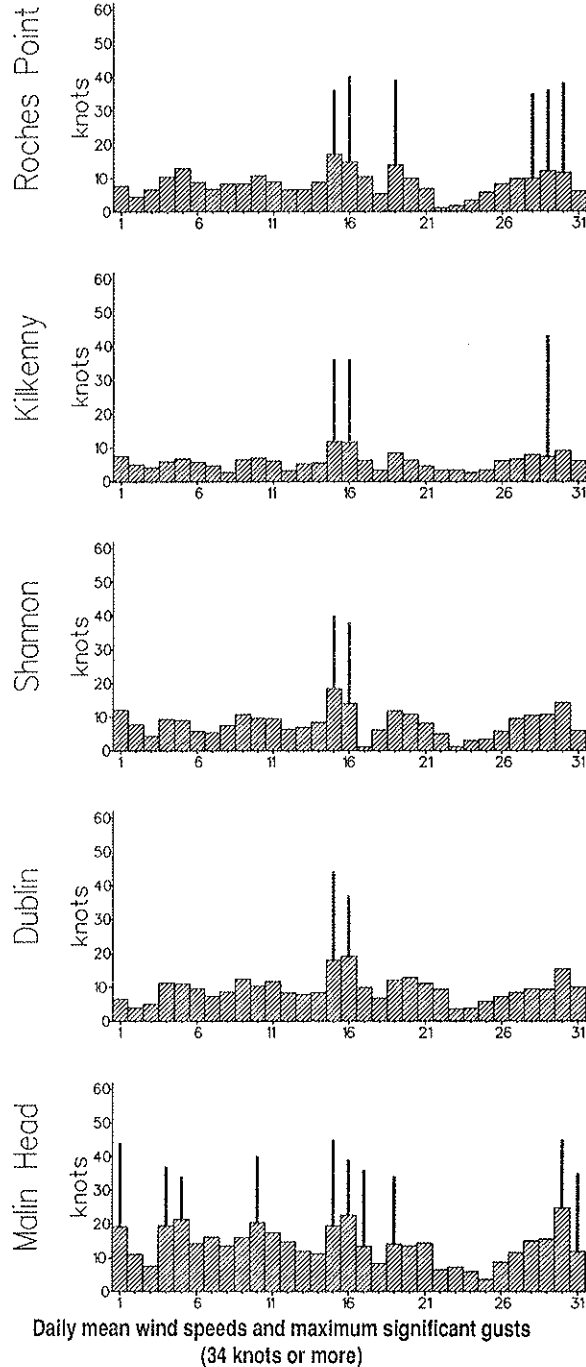
This sequence of radar pictures shows the rainfall patterns as frontal troughs crossed the country on Wednesday the 29th, causing heavy rain in the east and some thunder. A cold showery northwesterly airflow followed.

27th frontal troughs affected the country; activity was patchy but there were a few heavy outbreaks, chiefly during the 27th. During the 28th a wave depression developed and moved northwards, well to the west of Ireland; the associated cold front moved eastwards across Ireland late on the 28th and early on the 29th, giving thundery rain in parts of the south and east. Thus ended the spell of humid weather which had begun on the 22nd as



The rainfall pattern on the evening of Friday the 24th as thunderstorms affected the midlands and east causing some flooding in Dublin city.

a fresher southwesterly flow followed the passage of the cold front. The month ended with cool and showery conditions as the main depression to the northwest drifted slowly southeastwards.



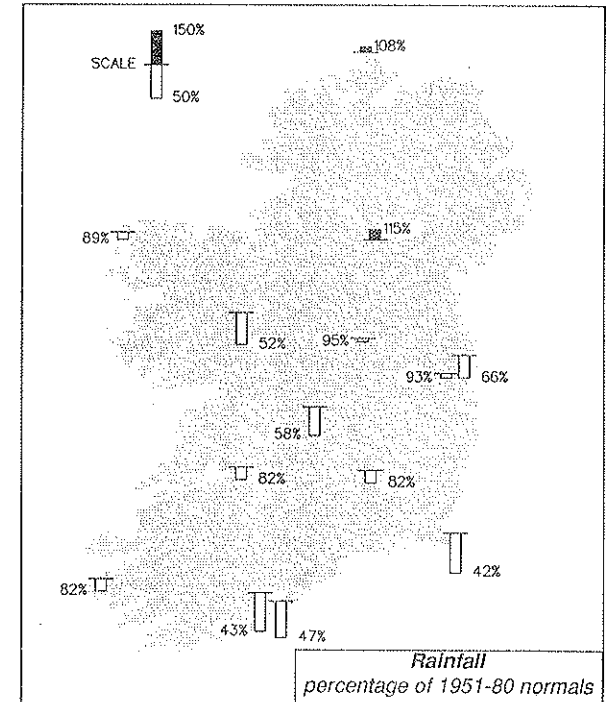
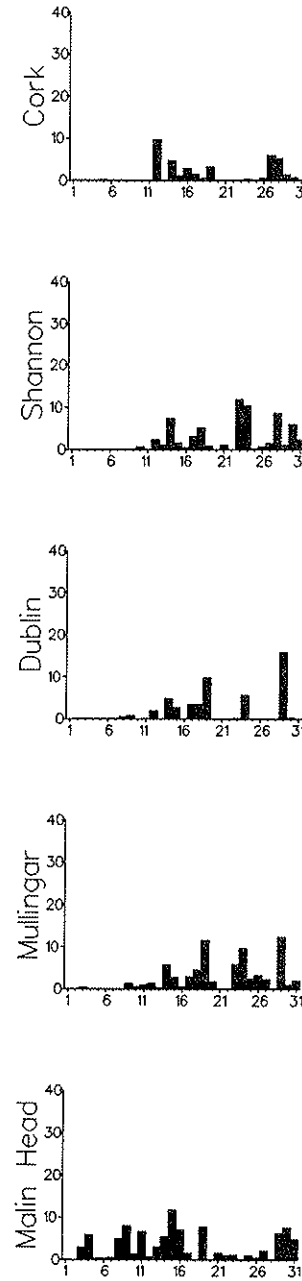
Below normal except in the north

Rainfall was generally below normal, the two exceptions being Clones and Malin Head. Totals for the month ranged from 30mm at Rosslare (42% of normal) to 99mm (115%) at Clones. Less than half the normal August total fell along the south coast, and less than 60% in inland areas of the west.

It was the driest August since 1981 at Birr, Cork Airport and Roche's Point, and the driest since 1984 at a number of other stations, even at Clones. The number of days with rain varied from just 9 at Rosslare to 26 at Belmullet. Generally there were

20 to 25 raindays in the west and north but only 10 to 15 in the south and east.

The heavier falls of rain occurred in the latter part of the month, between the 12th and the 30th. Kilkenny's total of 26.7mm on the 29th was the heaviest daily fall of the month. (It accounts for half the station's total.) The first week or so was mainly dry, except in the north and northwest. It stayed dry in Rosslare until the 14th. The wetter periods generally were the 12th, the 14th to the 19th and the 26th to the 31st. Thunderstorms affected the midlands and east on the 23rd and 24th, giving some locally heavy falls. Otherwise parts of the west and north had some rain most other days.



Daily rainfall amounts (millimetres)

South and East get the best of the summer

Summer's weather was rather a mixed bag. June was unsettled and quite wet as a result: more than twice the normal rainfall was measured at both Kilkenny and Roche's Point, while at Malin Head and Belmullet it was the wettest June since 1958. July was dry for much of the time but some heavy falls early and late in the month brought totals close to normal at some stations. August was drier than normal except in the north midlands.

Clones had a summer total of 285mm of rain but Rosslare had just over half that amount. Rainfall was above average in the north, north midlands and northwest, and also in the south and southwest. The east coast, the midlands, and western areas away from coasts fared a bit better. Amounts ranged from 80% of normal at Claremorris and Rosslare to 126% at Clones. It was Birr's driest summer since 1981 and the driest since 1984 at Belmullet, Casement, Claremorris and Rosslare.

A warm, sunny Ladies' Day at the Horse Show in July (photo Irish Times)



Overall the summer was quite warm. Although June's temperatures were slightly below normal at most stations, both July and August were warm months, August being the warmest since 1984 at most places and the warmest ever at Rosslare. Mean temperatures for the summer ranged from 14.3°C at Malin Head to 16°C at Shannon Airport, generally between 0.6°C and 1°C above normal for summer.

June — Dull, wet, and cooler than normal

July — Warm, sunny and fairly dry

August — Very warm, mainly dry, dull in the west

The hottest days of the summer in most areas were the 2nd and 3rd of August. The temperature exceeded 30°C in Dublin city that day; the highest value recorded at a weather station was 29.5°C at Casement Aerodrome. The 13th of July was the hottest day in the west. The lowest value of the summer was 3.6°C, which

occurred at Kilkenny on the 15th and 19th of June and at Claremorris on the 3rd of July.

After a dull June and a very sunny July, August varied from very dull in the northwest to quite sunny in the southeast. The pattern for summer is similar, from below average in the west to above average in the south and east. Rosslare enjoyed a daily average of over 7 hours of sunshine this summer but Claremorris averaged less than 4 hours a day. Rosslare's sunshine was 11% above normal whereas Belmullet only received 77% of normal sunshine. The sunniest day was the 18th of July at Casement Aerodrome, when 15.3 hours of sun were measured. Most other stations had their sunniest day of the summer on the 21st of July.

There was some thunder in June and in August but little or none during July. The south coast was affected by fog on between 12 and 24 days during the summer; elsewhere there were generally between 1 and 7 days with fog. The highest gust was 53 knots, recorded at Cork Airport on the 4th of July. The wind gusted to gale force in coastal areas on between 17 and 29 days, but there were only 7 to 15 days with gale gusts at inland locations.

METEOROLOGICAL SUMMARY FOR SUMMER 1990

Station	Rainfall		Air Temperature				Sunshine		Wind		Number of days with										
	Total (Amount in Decis)	Most in a Day (Decis)	Max	Min	Mean	Extreme Temperature (Highest Decis)	Lowest Temperature (Lowest Decis)	Total (Amount in Decis)	Most in a Day (Decis)	Max Gale Gust	Rain	Snow	Frost	Hail	Thunder	Fog	Gusts	Gale			
Belmullet	269.3	21.8	30 Jun	17.1	11.6	14.4	26.7	13 Jul	5.0	17 Jun	366.2	12.6	2 Jul	43	62	-	-	2	6	21	
Birr	161.4	16.9	4 Jul	19.3	10.9	15.1	27.0	2 Aug	4.0	3 Jul	406.1	14.4	18 Jul	49	52	-	-	5	2	11	
Cahiraveen	272.4	20.7	26 Jun	18.0	12.1	15.1	27.7	13 Jul	6.5	3 Jul	395.4	14.6	10 Jun	45	54	-	-	-	3	19	
Casement	150.8	22.3	4 Jul	19.4	10.8	15.1	29.5	2 Aug	4.9	3 Jul	489.8	15.3	18 Jul	47	41	-	-	1	2	4	15
Claremorris	193.4	18.5	27 Jul	18.5	10.3	14.4	25.6	13 Jul	3.5	3 Jul	384.9	13.3	21 Jul	45	54	-	-	-	6	16	
Clones	285.3	23.6	4 Jul	18.4	10.7	14.6	26.2	2 Aug	5.3	3 Jul	433.4	14.8	21 Jul	43	58	-	-	1	3	5	12
Cork Airport	231.7	32.5	21 Jun	18.1	11.4	14.8	24.6	22 Aug	6.0	19 Jun	541.8	15.0	21 Jul	53	44	-	-	-	24	17	
Dublin Airport	169.1	32.3	4 Jul	19.1	11.7	15.4	28.7	2 Aug	5.6	4 Jun	533.6	14.8	21 Jul	44	40	-	-	1	3	7	10
Kilkenny	194.1	26.7	29 Aug	20.0	11.0	15.5	28.2	2 Aug	3.6	15 Jun	489.2	15.2	21 Jul	43	44	-	-	3	3	5	12
Malin Head	266.4	18.0	4 Jul	16.7	11.8	14.3	24.4	18 Jul	7.2	14 Jun	433.3	15.2	21 Jul	49	60	-	-	-	3	1	29
Mullingar	233.4	31.7	4 Jul	18.6	10.4	14.5	27.3	2 Aug	3.8	3 Jul	477.2	14.9	18 Jul	42	57	-	-	4	6	7	
Roche's Point	210.1	34.6	21 Jun	18.1	12.4	15.3	23.7	3 Aug	8.0	4 Jun	565.9	14.8	21 Jul	50	35	-	-	-	14	25	
Rosslare	144.8	18.5	4 Jul	18.1	12.5	15.3	25.9	3 Aug	6.7	2 Jul	667.9	14.6	21 Jul	43	35	-	-	2	1	12	17
Shannon Airport	186.7	19.7	21 Jun	19.4	12.5	16.0	27.4	2 Aug	7.7	19 Jun	451.5	14.6	21 Jul	48	56	-	-	2	5	11	

NOTES: Rainfall in millimetres. Temperature in Degrees Celsius. Sunshine in hours and Wind in knots. Gale Gust = Gust of 33.3 knots. * 3 DAYS WITH GALE OR MORE

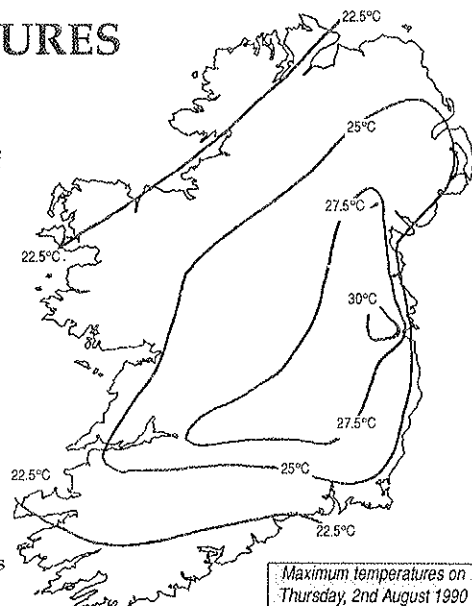
SOME ASPECTS OF THE RECENT HIGH TEMPERATURES

Tuesday the 2nd was the hottest day of the month at most stations and the hottest day of the year so far in the midlands and east. It was also the hottest day in the city of Dublin for more than a century.

The large area of high pressure to the east which had provided generally fine, warm weather since the 31st of July was drifting away allowing a weak cold front off the west coast to edge closer to the country. As the map across shows, the highest temperatures were recorded in the midlands and east of the country. Temperatures of 30°C or more were recorded in Dublin city. The highest value, 31°C, was recorded at the Botanic Gardens in Glasnevin, the hottest day there since records began in 1880. At Merrion Square in the centre of the city the mercury rose to 30°C, again setting a new station record, this time since 1948. A temperature of 30.6°C was reported from the Ordnance

Survey office in the Phoenix Park, the highest temperature recorded there since 1881, when standard measurements began. Prior to that a slightly different method of observation was used. The highest ever 'official' temperature in Ireland is 33.3°C, which was recorded at Kilkenny Castle on the 26th of June 1887.

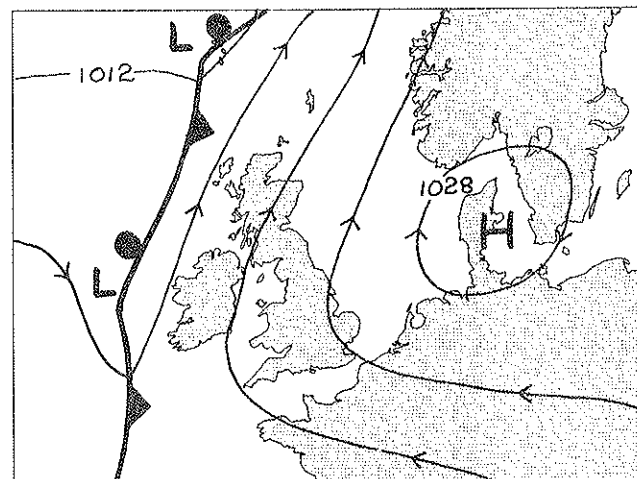
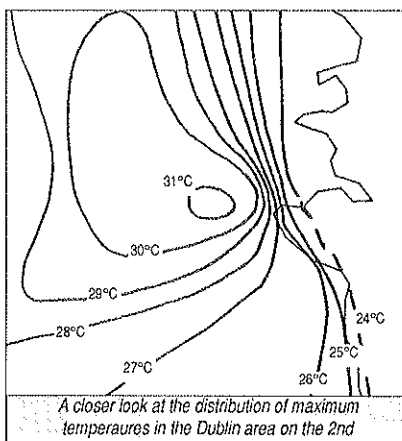
The urban effect and the influence of the sea breeze are evident in the distribution of maximum temperatures in the city that day. Although Kinsealy is only about 7 miles from the Botanic Gardens, its exposure to the sea breeze meant that there was a difference of 7°C in the maximum temperatures recorded at the two stations. The cool breeze from the sea kept Dublin Airport's temperature at 25°C until about 1.30 p.m. when the southerly breeze strengthened for a time, blocked the sea breeze, and allowed the temperature to rise to



28.7°C. That is the highest temperature ever recorded at the airport, exceeding the previous record, set in July 1983, by more than a degree. Temperature readings have been made at Dublin Airport since 1941.

Maximum values along the east coast generally were kept to a pleasant 24°C or 25°C by the sea breeze. Along the south coast the light southerly breeze had a similar cooling effect: the temperature at Roche's Point reached a maximum of just 20.5°C. In western and northwestern parts it was the advancing frontal cloud that kept maximum values down as low as 19°C at Belmullet.

The arrival of that weak cold front on the 2nd marked the end of a long period of dry, warm weather which, although



The chart for 1200 GMT on the 2nd punctuated by occasional days with some rain, had lasted since the 10th of July. Because it was so dry, the surface of the land, particularly in the midlands and east, was much easier to heat. The land absorbs most of the

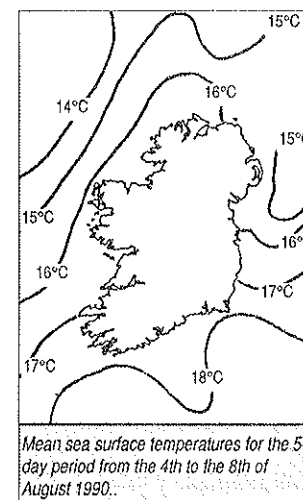
energy from the sun and then heats the air in contact with it. Normally this heated layer mixes with the layers above, thus diffusing the heat through a large volume of air. On the 2nd of this month however, that mixing was inhibited by the presence of a

slight inversion ahead of the weak front. [Air temperature normally decreases with height. An inversion is a layer of air in which the temperature actually increases with height. It acts as an atmospheric lid, inhibiting or preventing upward motion on the part of the air below.] A further factor was the development of a heat low in the middle of the country and the passage of a related small-scale trough over eastern areas, which may have caused some subsidence as it passed the Dublin area in the early afternoon during the period of maximum heating. The result was that the heating was confined to a relatively shallow layer, which probably explains why these very high temperatures occurred on that particular day. The front crossed Ireland and approached Britain the following day. Temperatures there reached 37°C, setting new all-time records.

SEA TEMPERATURES

Sea surface temperatures were also quite high during the early part of the month. The sea is normally at its warmest in August, ranging from an average of 13°C in the north Irish Sea to 15.5°C off the south coast. During the second week of last month however, the temperature of the surface of the north Irish Sea was about 15°C, while off the south coast the water had warmed to between 17°C and 18°C.

Given that the normal annual range of sea surface temperature is only about 6°C, a deviation of 2°C from normal values is quite a lot. At Malin Head, where daily sea temperature observations have been made since 1959, the highest value of



Mean sea surface temperatures for the 5-day period from the 4th to the 8th of August 1990.

last month was close to 16°C. Similar maximum values were reported during 1983 and 1989, but the record of 16.5°C is still held by the long, hot summers of 1975 and '76.

Sea temperatures of 16°C to 18°C are more typical of the French Atlantic coast than the waters off Ireland. As the sea responds only very slowly to increased heat inputs, it wasn't so much the fact that there had been a prolonged spell of warm, dry weather that produced these unusually high sea temperatures; rather it was that the prevailing wind during that period was from a generally southerly direction and brought warmer surface water from lower latitudes up to our coasts.

Wednesday 1st: An anticyclone to the east of the country gave most areas a dry, very warm, sunny day. A trough close to the west gave cloud and rain in the extreme west. Winds southerly generally light to moderate, but fresh to strong in west and north with gale gusts.

Rainfall: 5mm at Belmullet, nil elsewhere

Temperature: max. 19-25°C, min. 13-17°C

Sunshine: generally 10-14 hours, 1-5 hours in extreme west and southwest

Thursday 2nd: A slack generally southerly flow covered the country as an anticyclone in the North Sea drifted eastwards. It was a hot dry day except in the northwest where cloud and some light rain kept temperatures down.

Rainfall: 0.7mm at Belmullet, nil elsewhere

Temperature: max. 19-24°C at coastal stations, 26-30°C inland except Claremorris (with cloud) 24°C, min. 15-16°C at coastal stations, 10-13°C inland

Sunshine: 9-12 hours in Munster and Leinster, 1-4 hours elsewhere

Friday 3rd: A weak cold front moved southeastwards giving patchy outbreaks of light rain. The east, southeast and south of the country had a mainly dry, warm day with sunny spells. Elsewhere it was cooler and overcast with some drizzle at times. Winds light north-northwesterly.

Rainfall: 1-3mm in northwest and west, elsewhere trace - 0.4mm

Temperature: max. 18-24°C, min. 12-17°C

Sunshine: 11-13 hours in south and southeast, nil-8 hours elsewhere

Saturday 4th: A ridge of high pressure declined during the late evening as a weak cold front moved into northwestern areas. A dry day, brightest in the south and east, but rain affected northwestern places during the evening. Winds light to moderate west-northwesterly.

Rainfall: 5.9mm (Malin Head), 0.9mm (Belmullet); rest nil

Temperature: max. 17-22°C, min. 9-16°C

Sunshine: 8-12 hours in south, southeast and east, up to 6 hours elsewhere

Sunday 5th: A ridge of high pressure over the country intensified. Moderate to fresh northwesterly airflow. Sunny spells. Cooler than of late.

Rainfall: trace - 0.3mm

Temperature: max. 16-17°C in the north, 18-20°C in the south, min. 11-14°C

Sunshine: 6-10 hours in the south, 1-3 hours in the north

Monday 6th: An anticyclone to the west of the country maintained a light to moderate north to northwesterly airflow. Sunny in south but dull elsewhere.

Rainfall: trace - 0.4mm

Temperature: max. 16-20°C, min. 8-9°C inland, 10-13°C in coastal areas

Sunshine: 6-14 hours in southeast, up to 2 hours elsewhere

Tuesday 7th: Light to moderate northwesterly winds, fresh in north, brought the odd shower to northern and western areas. Cloudy, but good breaks in south and southeast.

Rainfall: trace - 0.5mm at Malin Head

Temperature: max. 15-20°C, min. 7-12°C

Sunshine: from less than 1 hour to 9 hours at Roche's Point

Wednesday 8th: Light to moderate west-southwesterly winds brought a few showers to the west and later some rain. Cloudy away from south and southeast.

Rainfall: nil - trace generally; up to 5.5mm at Belmullet

Temperature: max. 18-22°C, min. 10-14°C generally but 8°C at Cahirciveen

Sunshine: 0.2-4 hours generally; 12 at Roche's Point, 13 at Rosslare

Thursday 9th: A weak front moved southwestwards during the day. Some light rain or drizzle in the west and northwest but very little in southeast. The showers that followed were in the same pattern. Light to moderate mainly southwesterly winds.

Rainfall: 1-8mm in west and north, heaviest at Malin Head, rest trace - 3mm

Temperature: max. 17-22°C generally, min. 13-15°C

Sunshine: nil - 7 hours at Rosslare

Friday 10th: A depression north of the country drifted eastwards. An associated cold front moved southeastwards. Southwest to west winds, moderate to fresh. Cloudy and dull generally.

Rainfall: trace - 2mm

Temperature: max. 18-22°C, min. 13-15°C

Sunshine: 1-2 hours in the west, 3-5 hours generally, 8 at Rosslare

Saturday 11th: Cloudy and mild. Southwesterly flow. Weak fronts crossed during the day bringing mainly light rain to the north and west.

Rainfall: 1-7mm in the north and west, trace elsewhere

Temperature: max. 16-21°C lowest in northwest, min. 12-16°C

Sunshine: 1-3 hours

Sunday 12th: A mild, cloudy moderate to fresh southwesterly flow, strongest in the north. Light rain and drizzle in the north, but more organised bands of rain crossed the country during the late morning.

Rainfall: trace - 12mm at Clones

Temperature: max. 17-23°C, min. 10-15°C

Sunshine: up to 5 hours

Monday 13th: A westerly airflow brought mainly cloudy weather. Some drizzle or rain in western and northern areas during the night, turning to showers during the morning and spreading eastwards.

Rainfall: trace - 3mm

Temperature: max. 17-20°C, min. 12-15°C

Sunshine: up to 4 hours, best at Rosslare

Tuesday 14th: Some showers in the morning as a frontal system approached from the west. Rain reached the west and southwest by late afternoon and spread slowly eastwards to all areas. Winds light to moderate westerly, backed south-southeasterly and eased in advance of rain.

Rainfall: 4-8mm

Temperature: max. 16°C in north and northwest - 20°C inland, min. 10-14°C

Sunshine: from less than 1 hour to 7 hours at Rosslare

Wednesday 15th: A strong west-northwesterly airflow gave widespread showers in the north, some heavy and squally. Strong west to northwest winds, gusting to gale force, moderated later.

Rainfall: up to 6mm generally, but 12mm at Casement and Malin Head

Temperature: max. 16-21°C, min. 11-14°C

Sunshine: 7-9 hours in southern half, nil at Malin Head and 1 hour at Belmullet

Thursday 16th: Fresh to strong and gusty northwesterly winds brought showers to all areas, becoming isolated late in the day. Good sunshine in places also. Cool.

Rainfall: trace to 8mm

Temperature: max. 15-16°C generally, 18°C in the southeast, min. 9-12°C

Sunshine: 3-6 hours in Ulster, 9-12 hours elsewhere

Friday 17th: A shallow frontal depression moved southeastwards across the country. A moderate to fresh southeasterly airflow becoming light to moderate variable. Scattered showers at first gave place to more widespread rain especially the west. Dull.

Rainfall: 1-5mm

Temperature: max. 14-15°C in north, 15-18°C in south, min. 7-12°C

Sunshine: up to 3 hours

Saturday 18th: A slack ridge of high pressure over the country moved east as a frontal depression to the west deepened and approached the north. Light southeasterly winds gradually veered southwesterly. Patches of rain or drizzle spread into all areas by evening. Hazy in places.

Rainfall: trace - 2mm in south, 5-10 mm generally, nil at Malin Head

Temperature: max. 17-21°C generally, min. 7-11°C in north, 12-15°C in south

Sunshine: 2-6 hours in east, but less than 1 hour in west

Sunday 19th: A small low moved eastwards over Ulster, its front bringing rain to all parts, clearing to showers late in the day. Moderate southwesterly wind, veered northwesterly with the clearance and freshened.

Rainfall: 1-7mm generally, 19mm at Clones

Temperature: max. 15-20°C, min. 10-15°C

Sunshine: 1-2.5 hours

Monday 20th: A weak front moved east. Southwesterly to westerly winds. Cloudy with rain or drizzle in all areas, but parts of south and southeast had good sunny spells.

Rainfall: trace - 3mm

Temperature: max. 15-20°C, min. 10-13°C on coasts, 7-10°C inland

Sunshine: nil - 6 hours

Tuesday 21st: A weak warm front crossed during the morning leaving the country in warm sector conditions with light to moderate southwesterly winds.

Rainfall: trace - 1mm generally but 2mm at Cahirciveen

Temperature: max. 17-24°C, min. 13-15°C

Sunshine: nil - 6 hours

Wednesday 22nd: A weak front across the north of the country. A warm humid day with some patchy drizzle or rain most persistent in southwest. Some sunshine in the afternoon. Winds light southwesterly or variable.

Rainfall: up to 2mm

Temperature: max. 16-26°C, min. 14-18°C

Sunshine: nil-4 hours but 9 hours at Kilkenny

Thursday 23rd: Some mist and fog during the night and morning. Some outbreaks of thundery rain - thunderstorms reported at Mullingar in the afternoon. Cloudy and dull with light variable or southerly to southwesterly winds.

Rainfall: nil-6mm generally, but 10mm at Clones and 12mm at Shannon Airport

Temperature: max. 20°C in west, up to 27°C in Kilkenny, min. 14-18°C

Sunshine: up to 4 hours in South Leinster with 7 hours in Rosslare

Friday 24th: Outbreaks of rain during the night and morning became more widespread later with thunderstorms in the midlands and east in the afternoon. Fog and mist became widespread in the east after dark.

Rainfall: 16.9mm in Botanic Gardens, Dublin, nil-11mm elsewhere

Temperature: max. 19-25°C, min. 15-17°C

Sunshine: nil-6 hours

Saturday 25th: A slack gradient over the country. Warm and close with patches of light rain or drizzle. Winds, generally light and variable, reached moderate in the northwest at times. Fog and mist during the night and early morning cleared to give good sunshine in the eastern half of the country while the western half stayed mostly cloudy.

Rainfall: 2-3mm in mid-Leinster, rest below 1mm

Temperature: max. 17-23°C, min. 14-16°C

Sunshine: varied from 0.2 hours in the southwest up to 8.5 hours at Rosslare

Sunday 26th: A southerly airflow over the country as a weak front moved eastwards, clearing the east coast late in the afternoon. Rain or showers in many places but amounts were small. Winds generally light.

Rainfall: trace - 6mm

Temperature: max. 19-23°C, min. 14-16°C

Sunshine: 1-5 hours

Monday 27th: A light to moderate generally southerly flow covered the country. Unstable trough moved eastwards during the day, clearing the country about midnight

Rainfall: 20mm at Cahirciveen, 12mm at Roche's Point, 1-6mm elsewhere

Temperature: max. 18-23°C, min. 11-15°C

Sunshine: 5-6 hours in east, less than 1-2 hours elsewhere

Tuesday 28th: A freshening mild humid southerly flow covered the country. A cold front approaching from the west brought rain to the western half of the country and along the south coast by midnight.

Rainfall: trace - 9mm

Temperature: max. 19-22°C, min. 10-14°C

Sunshine: 4-11 hours

Wednesday 29th: Frontal troughs moved across the country giving rain, heavy in places and with some thunder in all areas. They were followed by a cold, showery west-southwesterly airflow.

Rainfall: 1-16mm generally but 27mm at Kilkenny

Temperature: max. 17-20°C, min. 10-13°C

Sunshine: 5-11 hours

Thursday 30th: A depression to the north caused frontal troughs to cross the country. Strong southwest winds with gale gusts in some areas. Occasional rain or showers.

Rainfall: small amounts in the east but up to 8mm in western areas

Temperature: max. 14-18°C, min. 8-12°C

Sunshine: 1-2 hours in the west, 3-6 hours generally

Friday 31st: Mostly cloudy with outbreaks of rain, drizzle or showers in most areas, dying out in all but the northwest by afternoon. Mild with light southwest to west winds, moderate in the north and northwest. Winds backed and eased off later in the day.

Rainfall: 2-5mm in the north, northwest and midlands, trace elsewhere

Temperature: max. 16-21°C, min. 11-13°C

Sunshine: up to 3 hours

Station	Rainfall			Air Temperature					Sunshine		Wind		Number of days with								
	Total	Most in a Day		Mean	Extreme Temperature			Total	Most in a Day		Max Gale Gust	Rain*	Snow	Frost	Air	Hail	Thunder	Fog	Gale Gusts		
		Amount	Date(s)		Max	Min	Highest		Date(s)	Lowest										Date(s)	Amount
Belmullet	77.9	8.1	30	17.5	13.0	15.3	20.2	28	9.0	7	58.8	9.8	16	43	-	-	-	-	-	2	7
Birr	43.8	4.7	14	20.1	12.2	16.2	27.0	2	8.3	17	94.2	11.2	1	36	-	-	2	1	2	1	2
Cahiriveen	80.2	20.1	27	18.7	13.6	16.2	22.8	22	8.2	8	61.9	8.7	16	40	-	-	-	-	-	1	3
Casement	65.3	15.0	29	20.7	12.3	16.5	29.5	2	7.0	7	134.9	14.0	1	45	-	-	1	3	2	1	3
Claremorris	48.5	9.0	18	19.0	11.8	15.4	24.0	2	8.0	7,17	65.7	10.7	16	36	-	-	-	-	-	4	2
Clones	98.5	19.1	19	18.9	12.2	15.6	26.2	2	7.3	18	91.5	11.6	1	40	-	-	-	-	-	2	2
Cork Airport	38.5	9.6	12	19.3	12.6	16.0	24.6	22	8.5	30	156.7	12.1	4	35	-	-	-	-	-	10	1
Dublin Airport	49.8	15.9	29	20.6	13.0	16.8	28.7	2	8.5	17	141.1	14.0	1	44	-	-	-	-	-	1	3
Kilkenny	53.8	26.7	29	21.4	12.4	16.9	28.2	2	7.0	17	144.7	13.9	1	43	-	-	1	1	1	1	3
Malin Head	95.2	11.8	15	17.5	12.8	15.2	23.7	1	7.2	18	89.6	9.6	1	45	-	-	-	-	-	1	10
Mullingar	75.1	12.4	29	19.4	11.8	15.6	27.3	2	7.4	20	112.8	13.1	1	38	-	-	2	4	2	4	2
Roche's Point	36.1	12.2	27	19.4	13.4	16.4	23.7	3	9.8	16	171.8	12.8	3	40	-	-	-	-	-	5	6
Rosslare	30.3	6.2	18	20.2	13.8	17.0	25.9	3	9.8	17	219.0	13.6	6	39	-	-	-	-	-	3	3
Shannon Airport	67.7	11.9	23	20.2	13.8	17.0	27.4	2	10.9	16	100.9	10.8	2	40	-	-	-	-	-	3	2

NOTES: Rainfall in millimetres. Temperatures in Degrees Celsius. Sunshine in Hours and Wind in Knots. Gale Gust = Gust of > 33.5 knots. * = Gales with 0.2mm or more

Annual subscription £21. All data published in this bulletin are provisional.