

SECRET.

MT.

Confidential filing

and Time Out  
leak in the Guardian of 6 December of  
E-Committee minutes on the Civil Nuclear  
power programme.

SECURITY

December 1979.

Referred to	Date	Referred to	Date	Referred to	Date	Referred to	Date
<del>7.12.79.</del>							
<del>2.1.80</del>							
<del>4.1.80.</del>							
<del>31.1.80</del>							
24.3.80							
PREM 19/362							

CONFIDENTIAL

Security



CIVIL SERVICE DEPARTMENT  
WHITEHALL LONDON SW1A 2AZ  
Telephone 01 273 5400

✓  
MS

*Sir Ian Bancroft G.C.B.  
Head of the Home Civil Service*

Mike Pattison Esq  
10 Downing Street  
LONDON SW1

24 March 1980

Dear Mike,

Further to your letter of 31 January about the Attorney General's minute to the Prime Minister of 30 January on disclosure of Cabinet Committee minutes, I should confirm for the record that action has been taken as recommended in the Attorney General's minute.

I am copying this letter to David Wright and Bill Beckett.

Yours sincerely,

DAVID LAUGHRIN  
Private Secretary

CONFIDENTIAL

12 H  
2 3  
4 5 6 7 8 9

24 MAR 1980

FILE

CONFIDENTIAL

Securay

RH

*Original Correspondence in G/Kooms filing.*

MR WRIGHT  
CABINET OFFICE

I attach a copy of a letter I have written to John Stevens in the Chancellor of the Duchy's Office about a Select Committee's request to see private correspondence between the Prime Minister and Sir Alan Cottrell on the choice of nuclear reactor.

In addition to the question of principle raised, you may have a further interest in the matter. Sir Alan points out that the issue has arisen because the Guardian obtained a copy of his exchange with the Prime Minister. The topic is one on which E Committee papers were leaked to Time Out. This has since been the subject of a leak enquiry.

The correspondence is unclassified, and I understand that the Department of Energy sent copies to CEGB and NII. Nevertheless, the fact that the material found its way into the hands of the Guardian may be of passing interest to those who considered the earlier leak.

M A PATTISON

28 February 1980

CONFIDENTIAL

cc CSD  
CO

H8

**CONFIDENTIAL**

31 January 1980

The Prime Minister has seen the Attorney General's minute of 30 January, about the disclosure of Cabinet Committee minutes. She has noted the conclusions of the police investigations.

I would be grateful if David Laughrin, to whom I am copying this letter, could confirm in due course that action has been taken as recommended in the Attorney General's minute.

*CSD  
Bancroft office*

A copy of this letter also goes to David Wright (Cabinet Office).

M. A. PATTISON

W.C. Beckett, Esq., C.B.,  
Law Officers' Department.

**CONFIDENTIAL**

*AB*



01-405 7641 Extn

SECRET

4 2.

- 1. Mr Whitmore *MM 30/1*
- 2. PRIME MINISTER

ROYAL COURTS OF JUSTICE  
LONDON, WC2A 2LL

*The police leaks enquiry has not produced evidence justifying prosecution: but the police seem confident that they have found the source. Sir Ian Bancroft will consider how to neutralize him. *MM 30/1**

PRIME MINISTER

*MM*

TIME OUT - DISCLOSURE OF CABINET COMMITTEE MINUTES

Following my minute to you of 6 December, the Director of Public Prosecutions instructed the Police to investigate the leak of a Cabinet Committee document which had found its way to Time Out magazine. The Police were also asked to investigate another leak of a Treasury document about strikers and supplementary benefit which was also said to be in the hands of Time Out. The latter document had a more limited circulation than the Cabinet Committee document.

The Director has now reported to me that the Police are satisfied that in both cases copies of the documents were sent to Time Out by someone who had access to the copies which had been sent to the Board of Inland Revenue. The Police consider that, in all probability, the leak originated from the Central Division of that Department but they have been unable to find any admissible evidence as to the individual responsible. There does not seem any reasonable prospect of discovering any such admissible evidence and accordingly I have agreed with the Director that the Police enquiries should now cease.

The Police have reported, however, that, on the basis of certain information which they have received, they have strong suspicions which point to a particular individual in the Central Division of the Inland Revenue. There is no evidence to confirm these suspicions although the Police consider that they are reinforced by the individual's association with persons of extreme political views and his apparent interest in anarchist literature.

/Whilst

SECRET

SECRET



ROYAL COURTS OF JUSTICE  
LONDON, WC2A 2LL

01-405 7641 Extn

Whilst nothing further can or needs to be done by the Police or Director, I am arranging for Sir Ian Bancroft to be told orally about the individual concerned so that he may consider what administrative steps to take in order to deny the individual access in the future to sensitive information.

I am copying this minute to Sir Ian Bancroft and Sir Robert Armstrong.

MH

30 January 1980

SECRET

SECRET



U.S. DEPARTMENT OF JUSTICE

U.S. DEPARTMENT OF JUSTICE  
NEW YORK OFFICE



30 JAN 1950

What nothing further can be done by the  
office of Director. I am arranging for Sir Ian Hamilton to  
be told orally about the individual concerned so that he  
may consider what administrative action to take in order to  
bring the individual concerned in the United States  
information.

I am copying this minute to Sir Ian Hamilton and  
Sir Robert Armstrong.

10 January 1950

SECRET



Top copy filed on leak to D. Mirror of  
Act on Strikers + Supplementary Benefit

2. Security Dec 77  
Security



H M Treasury

Parliament Street London SW1P 3AG

Switchboard 01-233 3000  
Direct Dialling 01-233 3620

Prime Minister.  
For once we may be  
getting something.

J.H.  
7.1.80

*[Handwritten signature]*

Sir Douglas Wass GCB  
Permanent Secretary

Sir Ian Bancroft GCB  
Civil Service Department  
Whitehall  
LONDON  
SW1

4 January 1980

*[Handwritten signature]*

LEAK: STRIKERS' AND SUPPLEMENTARY BENEFIT

In my letter to you of 13 December I said that Bill Pile was making available to us an investigator to look into the leak of the Treasury brief of 22 November.

The investigator has since been carrying out his enquiries, and is now certain that the copy which came into the hands of the "Daily Mirror" was taken from the original copy sent to the Revenue, and not from any of the copies that were distributed within the Treasury.

As you know the police are at present undertaking an investigation into a separate leak of a Cabinet document, and their enquiries point towards the Revenue as the source of that leak. I have therefore agreed with our investigator and with Tony Hetherington that the investigator should make available his findings so far to the police, and that they should now combine the enquiry into the "Mirror" leak with their existing investigation.

I am copying this letter to Clive Whitmore at No 10, Howard Smith, Bill Beckett, Lawrence Airey and Tony Hetherington.

*[Handwritten signature]*

DOUGLAS WASS

~~Security~~



10 DOWNING STREET

MR. PULLEN  
COMMITTEE SECTION

---

E(79)13 Meeting

As promised in my minute of 21 December, I now enclose copy No.5 of the above mentioned minutes which is Mr. Wolfson's copy. This was also seen by Mr. Hoskyns, Mr. Strauss and Mr. Duguid.

For recording and filing purposes the E minutes were handled by various members of Confidential Filing Section and Duty Clerks, a total of 11 people, all of whom would have had access to these documents. Miss Walmsley, Mr. Ingham's personal assistant, would also have handled the Press Office copy.

MAP

2 January 1980

A handwritten signature or set of initials, possibly 'J.S.', located in the bottom right corner of the page.



*file* 2

10 DOWNING STREET

*From the Private Secretary*

Mr. Pullen,  
Committee Section.

E(79) 13th Meeting

I am returning the copies of the above minutes which were distributed to No.10.

- Copy 2 - seen by Mr. Lankester
- Copy 3 - Circulated to Private Secretaries
  - (1) (Mr. Lankester, Mr. Peterson and Miss Stephens were deleted from the circulation list).
  - (2) Item 2 has been retained on No.10 files for the Prime Minister's record purposes.
- Copy 4 - Items 2, 3 and 4 have been retained on No.10 files for the Prime Minister's record purposes. The front page was destroyed. I am returning Item 1 which has been removed from the No.10 file.
- Copy 5 - Mr. Wolfson's copy *(to follow)*
- Copy 6 - Press Office copy - seen by Mr. James, Mr. Ingham, Mr. Anson, Mr. Wood (and possibly Mr. Gaffin)
- Copy 7 - Is enclosed. This was a spare copy not circulated.

I should be grateful if ~~a copy~~ <sup>two copies</sup> of these minutes could be returned in due course for our records. *Rec'd 28.12.79 Copy Nos 72 + 73 To replace copy nos 2 & 3*

M. A. PATTISON

21 December, 1979.



✓  
MAD

CABINET OFFICE

70 Whitehall, London SW1A 2AS Telephone 01-233 8319

From the Secretary of the Cabinet: Sir Robert Armstrong KCB, CVO

Dear Tim

We are - at the request of the Police -  
recalling all copies of E(79) 15th meeting - (the minutes  
leaked to Time Out / the Guardian.  
I would be grateful if you would  
send for the No 10 copies, plus any folders etc. in  
which they reside, to be returned to Committee Section  
on Thursday.

Martin

CONFIDENTIAL



Security.

10 DOWNING STREET

*From the Principal Private Secretary*

SIR ROBERT ARMSTRONG

Leak of E Committee Minutes

The Prime Minister has seen your minute A0878 of 6 December 1979 and the Attorney General's minute of the same date.

As I told Mr. Beckett by telephone earlier today, the Prime Minister agrees that there should be a police investigation into the leak of the minutes of the meeting of the Economic Strategy Committee on the civil nuclear power programme. I attach a copy of my letter to Mr. Beckett confirming my telephone conversation with him.

C. A. WHITMORE

7 December 1979

CONFIDENTIAL

Handwritten mark or signature at the bottom right corner.

CONFIDENTIAL



10 DOWNING STREET

*From the Principal Private Secretary*

7 December 1979

The Prime Minister has seen the Attorney General's minute of 6 December 1979 about the leak of a Cabinet committee document to "Time Out".

As I told you on the telephone earlier today, she agrees that the Attorney General should arrange for the police to conduct an investigation into the disclosure of the document.

I am sending copies of this letter to John Chilcot (Home Office), Bill Burroughs (Department of Energy), David Laughrin (Civil Service Department) and Martin Vile (Cabinet Office).

CAW

W.C. Beckett, Esq., C.B.,  
Law Officers' Department.

CONFIDENTIAL

SECRET



01-405 7641 Extn

ROYAL COURTS OF JUSTICE  
LONDON, WC2A 2LL

PRIME MINISTER

TIME OUT - DISCLOSURE OF CABINET COMMITTEE MINUTES

I understand that the Secretary of the Cabinet, after discussion with the Head of the Civil Service, is recommending to you that, subject to my views, a Police investigation should take place into this very disturbing disclosure of a secret Cabinet Committee document.

I agree that a thorough Police investigation is the most likely means of finding the culprit rather than any form of internal interdepartmental inquiry. To bring in the Police, however, is not without difficulty, particularly for me, since it implies that criminal proceedings may be brought. The investigation, if successful, might disclose a theft or some element of corruption, if payments have been made, but the more likely result will be a case for prosecution under section 2 of the Official Secrets Act. The difficulty with the latter is that this particular disclosure would not fall within Franks nor within the categories of information protected by the Government's recent Bill. (It was decided that Cabinet documents per se would not be protected by criminal penalties.)

In deciding whether to prosecute in a case like this I would feel it right to take into account as aspects of the public interest, the recommendations of Franks and the resulting proposals by successive Governments as well as public opinion. I do not have, however, any dispensing power but I must consider each case on its merits. A decision to bring in the Police, therefore, would not commit me to consenting to any prosecution under section 2, although

/knowledge

SECRET

SECRET



ROYAL COURTS OF JUSTICE  
LONDON, WC2A 2LL

01-405 7641 Extn

knowledge that the Police investigation was taking place would be likely to give rise to a good deal of adverse comment. At this stage, however, it is impossible to say what the results of the investigation might be and, as indicated above, it could conceivably lead to a theft or corruption prosecution.

I would propose that the Police be brought in at my instigation and I would ask the Director of Public Prosecutions to set the wheels in motion.

I am copying this minute to the Home Secretary, the Secretary of State for Energy, Sir Ian Bancroft and Sir Robert Armstrong.

M.H.  
/

6 December 1979

SECRET



ROYAL COURT OF JUSTICE  
LONDON, WC2A 2LL



- 6 DEC 1979

9 11 12 1  
8 10 11 2  
7 6 5 4 3

knowledge that the investigation was taking place  
would be likely to lead to a good deal of adverse  
comment. At this stage, however, it is impossible to say  
that the results of the investigation might be such as  
indicated above. It could conceivably lead to a different  
course of action.

I would propose that the Police be brought in at an  
investigation and I would ask the Director of Public  
Prosecutions to set the wheels in motion.

I am copying this minute to the Home Secretary, the  
Secretary of State for Energy, Sir Ian Harewood and  
Sir Robert Armstrong.

6 December 1979

SECRET

## Cabinet / Cabinet Committee Document

The following document, which was enclosed on this file, has been removed and destroyed. Such documents are the responsibility of the Cabinet Office. When released they are available in the appropriate **CAB (CABINET OFFICE) CLASSES**.

Reference: CC (79) 24<sup>th</sup> Conclusions, Minute 1 (extract)

Date: 6 December 1979

Signed AWayland Date 6 May 2010

**PREM Records Team**

Ref. A0878

PRIME MINISTER

---

You will have seen in this morning's Guardian a report quoting extensively from the minutes of a meeting of a Cabinet Committee on the civil nuclear power programme, and in particular on the proposal to go for the PWR.

2. There is a similar article in this week's "Time Out", referring to the same minutes. The article says that the minutes of the meeting have been sent anonymously to "Time Out", and there is a photograph of part of the front page of the minutes to prove it, as well as photographs of short extracts from the minutes themselves.

3. I have considered this serious leak with Sir Ian Bancroft, Sir Jack Rampton, Sir Brian Cubbon and Mr. Beckett, the Legal Secretary to the Law Officers.

4. There are four courses available to us:-

- (1) To do nothing.
- (2) To mount the standard interdepartmental leak inquiry.
- (3) To mount a special investigation by a civil servant or somebody from the Security Service.
- (4) To call in the police.

5. To call in the police is a serious step to take. It was last done in 1976, when a paper about Child Benefit was leaked to the Child Poverty Action Group (Mr. Frank Field). It is appropriate only if there is prima facie evidence that a criminal offence may have been committed. But we all think that this leak is so blatant that a police investigation would be the right way to deal with it.

6. There has almost certainly been a breach of Section 2 of the Official Secrets Act 1911. In recent years, however, it has been the practice of successive Attorneys General not to prosecute under Section 2 for leaks of information which would not have been caught under the Franks definitions. This particular leak would not have been caught by Franks, and indeed would not have been covered by the abortive Protection of Information Bill. It is therefore unlikely that the Attorney General would wish to prosecute under Section 2 in this case. But an offence under Section 2 is not the only possible offence in this case.

1,  
Prime Minister.  
I understand that there is a letter from the Attorney-General on its way saying that he agrees with the proposal that there should be a police investigation.  
Do you agree too?  
Are you also content that the inquiry should embrace Ministers?

JMB  
6/11



Don't feel - hand it just been opened?

It is entirely possible that a document, the property of the Government, has been improperly removed, and that the offence of theft has been committed. The decision to bring the police in is just as much related to that as to the possibility of an offence under the Official Secrets Act.

7. The decision to bring the police in does not imply a decision to prosecute. That decision will have to be taken by the Attorney General and the Director of Public Prosecutions when the investigation is completed. If the culprit was identified, disciplinary proceedings could follow, even if there was no decision to prosecute.

8. This is being separately put to the Attorney General. I should be grateful for your authority to tell the Attorney General that, subject to his views, you agree that this leak should be the subject of police investigation. If that is the decision, it will be for the Director of Public Prosecutions to commission the investigation.

9. As it appears that the document was sent in the first instance to "Time Out", it seems very unlikely that any Minister was responsible for the leak. The minutes were, however, issued to Ministers in the first instance, and I think that technically it would not be right to exclude Ministers from the scope of the inquiry. I therefore seek your agreement that the investigation should extend to Ministers as well as officials.

10. I shall be making a later submission about changes in the style, content and circulation of Cabinet and Cabinet Committee minutes.

RAA

(Robert Armstrong)

6th December, 1979

I don't think it was theft - there are so many casual ways. Am content to leave question of a police enquiry to the AG. OLI.

# THE GUARDIAN

London and Manchester

Thursday December 6 1979

15p

All your gift problems solved with



**CHRISTMAS GIFT TOKENS**

- \* From £1 upwards at over 900 high street shops throughout Britain—see Yellow Pages for your nearest branch.
- \* Free gift card and envelope with every token.
- \* Easy to post.
- \* Exchangeable for a wide range of wines, spirits, beers, cigarettes and cigars.

## Cabinet backs nuclear power plan

By David Pallister and David Fairhall

A CABINET committee, which is chaired by the Prime Minister, has approved the building of at least one controversial American-style pressurised water nuclear power station "subject" the minutes of the meeting stress, "to satisfactory safety clearances being obtained."

Separate inquiries in Whitehall reveal that Sizewell in Suffolk is now the favoured site for the PWR reactor construction of which would begin in 1982.

The Government is clearly extremely anxious about public reaction to the decision after the United States' PWR accident at Three Mile Island. The minutes record that Mrs Thatcher and her senior colleagues have de-

ecided on "a low profile" approach to their new nuclear programme "because opposition to nuclear power might well provide a focus for protest groups over the next decade."

Construction of the new power station for the Central Electricity Generating Board will be conditionally endorsed in a Government statement—probably next week—by the Energy Secretary, Mr David Howell.

At the Cabinet committee meeting Mr Howell proposed that it should be part of a 15 gigawatt (billion watts) power programme to be handled by a reorganised nuclear construction industry in which the National Nuclear Corporation will be given "an enhanced role."

Apart from Mrs Thatcher

and Mr Howell, other Ministers present at the meeting included the Chancellor, Sir Geoffrey Howe, the Industry Secretary, Sir Keith Joseph, and the Foreign Secretary, Lord Carrington.

The confidential minutes quote Mrs Thatcher summing up the discussion and saying: "They (the committee) recognised the great importance of appropriate presentation for achieving the Government's objective, and generally favoured a low profile approach."

The minutes of the meeting—sent to the London magazine Time Out—show that anxiety about public opposition to a PWR programme in the wake of the reactor accident at Three Mile Island, Pennsylvania, was central to its discussion.

The American reactor was of the same basic pressurised water type, though not designed by Westinghouse, the firm from which the NNC will get its licence.

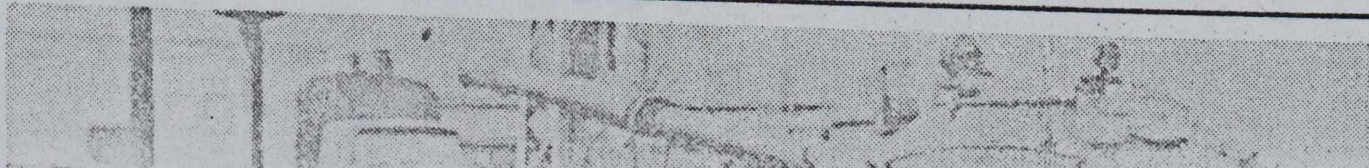
Ministers were anxious to avoid "putting the Government into a position of confrontation with the protesters."

"The existing production of nuclear electricity in Britain using Magnox stations had a long record of safe operation, and local people near the various nuclear sites were generally content with them. It was important to build public confidence from the experience. A low profile by Government was not necessarily incompatible with giving a firm lead to the industry, since the industry involved only a few firms.

"But there would be a problem in maintaining a low profile once a decision was made to proceed with a PWR. Although the Three Mile Island reactor in the USA was not a Westinghouse design, it would be associated in the public mind with the PWR system."

Sizewell, near Aldeburgh in Suffolk, already has a Magnox nuclear power station. It has emerged at the top of the CEB's short list of possible sites for the first PWR because it satisfies most of the safety, operation and economic criteria for a project on which the construction engineers hope to start work in 1982. It is relatively remote from the main centres of population—a point on which the Nuclear

Turn to back page, col. 7



## Lynch's successor

assurances  
ugh  
a  
lan

umber is inexplicable and  
eptable, but it will now  
for a similar figure to be  
ed upon the regular  
sian forces rather than  
pose formula in the Bri-  
plan which would have  
them distributed in many  
bases.  
kesmen for the PF said  
ight that they feel bound  
and firm on a number of  
e PF official said: "There  
wards ahead. We will be  
e about the market

Dublin yesterday. Favourite for... (top left) and Health Minister, (bottom left).

## the schools

Greater a week in each of 384 schools— one tenth of those in England and Wales. They did not cover sixth forms and concentrated on the fourth and fifth years.

Teachers' unions welcomed the exploding of some educational myths. One was that many pupils were dropping mathematics before 16—the Inspectors found the number to be insignificant. Another was that teachers spent too much time on non-teaching duties — the Inspectors thought they did not have enough time for essential out-of-classroom duties.

The survey presented "a frightening picture of subservience to the narrowing requirements of public examinations, which will be made worse still by recent political moves," the Secondary Heads Association commented.

The National Union of Teachers found it ironic that the Inspectors should be critical of the teachers' emphasis on examinations in view of the apparent clamour from some politicians for just such an emphasis.

"Aspects of Secondary Education in England," Stationery Office, £6.75.

pay dispute."

The men at Esso's 35 terminals have rejected an offer of 18 per cent on basic rates, plus improved conditions and allowances which take the overall offer to more than 20 per cent. A company spokesman said it was understood that the shop stewards were recommending an overtime ban, although no official notification of any action had been received.

It is estimated that the Esso overtime ban could affect a third of the company's supplies. Esso normally supplies a fifth of Britain's total supplies — the same amount as Shell.

Supplies of petrol, diesel, and heating oil are already low in some urban areas.

The worst-hit area so far is Strathclyde, in Scotland, where 80 schools are closed for lack of heating oil and 50 more will close by the weekend. The local authority's regional emergency committee has reduced fuel allocations to all departments by a half, and buses in Strathclyde and Tayside are running in peak hours only.

Bus services in Glasgow will be at a standstill during the week. Services in the city are already restricted to peak hours only, running for 4½ hours a day. In Dundee, a similar, peak period operation has been introduced. Meals on wheels and other services are likely to be affected.

In London the Government's Civil Contingencies Unit is revising plans for the army to distribute fuel from special stockpiles if the shortage becomes severe.

# Cabinet backs plan for nuclear power

Continued from page one

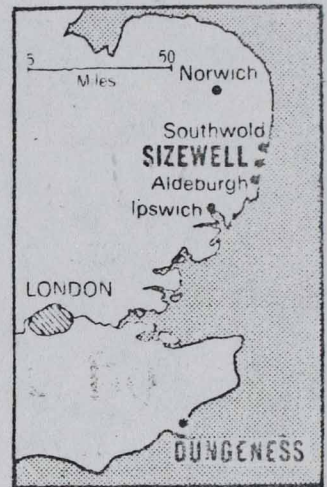
Installations Inspectorate is bound to insist, especially in the light of the Kemenv report on the Three Mile Island accident.

The board already owns much of the land required and the power transmission lines are already in place. At Dungeness, another possible site for the first PWR, a new line would have to be laid from the Kent coast to Weybridge.

The CEGB said yesterday that no final decision has yet been taken on the PWR siting, let alone on proceeding to construction.

The Nuclear Installations Inspectorate will have to be satisfied with the detailed design proposals. The Westinghouse licence must be activated (the Cabinet committee noted on October 23 that it might be desirable to defer doing this until the result of the law suit between the American manufacturer and Rio Tinto Zinc was known). Above all, both the basic policy of adopting an American PWR design alongside the British advanced gas cooled reactors (AGRs) and the suitability of a specific site such as Sizewell will have to be subject to a lengthy public inquiry, probably in 1981.

As for the tactics of an in-



quiry, ministers were in two minds: "On the one hand it was arguable that the first such inquiry should be wide-ranging, so as to establish the broad facts of the system. But on the other there was a danger that a broad-ranging inquiry would arouse prolonged technical debate between representatives of different facets of scientific opinion. In considering tactics for inquiries, it would be important to bear in mind that, in parallel with the development of a thermal reactor programme, there was also a programme in hand for identifying sites for the disposal of nuclear waste.

## Mild, rain in parts

A RIDGE of high pressure will cross the British Isles whilst a trough of low pressure returns N across S counties.

London, SE England: Mainly dry rather cloudy. Wind S, light. Max temp 12C (54F).

Cent S and SW England, Channel Islands, S Wales: Becoming rather cloudy with occasional rain and drizzle. Wind SE, becoming S, light. Max 12C (54F).

E Anglia, Midlands, E, Cent N and NW England, N Wales: Dry, sunny periods after overnight mist and fog, becoming cloudy later. Wind variable, becoming S, light. Max 9C (48F).

Lake District, Isle of Man, SW Scotland, Etasgow, Cent Highlands, Argyll, N Ireland: Sunny intervals, scattered showers. Wind W, moderate or fresh. Max 8C (46F).

NE England, Borders, Edinburgh and Dundee, Aberdeen, Moray Firth: Mainly dry, sunny intervals. Wind W, moderate. Max 7C (45F).

NE Scotland, NW Scotland, Orkney, Shetland: Rather cloudy with a little rain in places. Wind W, fresh or strong. Max 7C (45F).

Outlook: Some rain at times in most regions. Bright intervals in some W parts later. Temperatures around normal. Overnight fog patches.

**MANCHESTER READINGS**  
From 6 p.m. Tuesday to 6 a.m. yesterday: Min temp 7C (45F). From 6 a.m. to 6 p.m. yesterday: Max temp 11C (52F). Total period: Rainfall, 1.28in; sunshine, 0.2hr.

# THE WEATHER

## AROUND THE WORLD

(Lunch-time reports)		Reports for the 24 hours ended 6 p.m. yesterday:	
C	F	Sun shine hrs	Max. Rain temp (day) in. C F
Ajaccio	S 15 59	Las Palmas	F 23 73
Algeria	R 14 57	Lisbon	S 10 50
Amsterdam	S 16 61	Lodarno	S 12 54
Antwerp	R 12 54	London	R 15 48
Barcelona	F 16 61	Luxembourg	R 15 48
Berlin	S 13 59	Madrid	S 12 54
Beirut	F 20 68	Managua	S 11 52
Bombay	S 13 57	Malaga	S 15 59
Buenos Aires	F 13 55	Malta	S 18 64
Cardiff	S 17 63	Manchester	F 7 45
Casablanca	R 8 46	Miami	C 21 70
Chicago	F 8 46	Milan	S 11 52
Copenhagen	R 13 55	Montreal	Sn 1 34
Dublin	C 13 55	Moscow	C 2 36
Edinburgh	F 1 34	Munich	F 15 59
Florence	S 13 55	Nantes	S 18 64
Frankfurt	R 13 55	Newcastle	S 9 48
Hamburg	S 13 55	New York	S 9 48
Helsinki	R 13 55	Nice	S 15 59
Hong Kong	S 13 55	Osaka	F 17 63
London	R 13 55	Oslo	F 6 43
Lyons	R 13 55	Paris	S 10 50
Madrid	R 13 55	Prague	F 11 52
Manila	R 13 55	Reykjavik	A 24 25
Medan	R 13 55	Rhodes	S 19 66
Mexico City	R 13 55	Rome	S 18 64
Moscow	S 13 55	Ronaldsway	F 10 50
Mumbai	S 13 55	Salzburg	F 13 55
Nairobi	S 13 55	Stockholm	S 8 46
Norway	S 13 55	Strasbourg	S 12 54
Osaka	S 13 55	Taipei	R 18 64
Oslo	S 13 55	Tel-Aviv	C 3 37
Paris	S 10 50	Toronto	C 3 37
Prague	F 11 52	Tunis	S 16 61
Reykjavik	A 24 25	Valencia	C 13 55
Rhodes	S 19 66	Venice	S 11 52
Rome	S 18 64	Vienna	S 6 43
Ronaldsway	F 10 50	Warsaw	C 10 50
Salzburg	F 13 55	Zurich	S 9 48
Stockholm	S 8 46		
Strasbourg	S 12 54		
Taipei	R 18 64		
Tel-Aviv	C 3 37		
Toronto	C 3 37		
Tunis	S 16 61		
Valencia	C 13 55		
Venice	S 11 52		
Vienna	S 6 43		
Warsaw	C 10 50		
Zurich	S 9 48		

## AROUND BRITAIN

Region	Temp	Wind	Cloud	Notes	
Torquay	0.2	.02	16 61	Rain	
Falmouth	—	—	14 57	Cloudy	
Penzance	—	—	15 59	Cloudy	
<b>WEST COAST</b>					
Douglas	2.5	.30	9 48	Rain	
Morecambe	2.6	.83	10 50	Rain	
Blackpool	1.4	.95	9 48	Rain	
Southport	1.3	1.33	11 52	Rain	
Colwyn Bay	0.9	1.56	8 46	Rain	
Anglesey	1.1	.98	9 48	Rain	
Ilfracombe	—	.01	13 59	Rain	
Newquay	—	.01	14 57	Dull	
Isles of Scilly	—	—	.39	14 57	Rain
Tenby	—	—	14 57	Rain	
<b>SCOTLAND</b>					
Lerwick	—	.24	9 48	Hail	
Wick	—	.24	20 5 41	Sleet	
Stornoway	—	.25	28 6 43	Hail	
Kinloss	—	.32	13 7 45	Showers	
Dyce	—	.44	—	8 46	Sunny
Time	—	.32	.03	9 48	Showers
Ulrichs	—	3.6	.04	8 46	Sunny
Ahobisnech	—	3.3	.08	8 46	Showers
Prestwick	—	2.3	.08	8 46	Showers
Edinburgh	—	4.7	.33	7 45	Showers
<b>N IRELAND</b>					
Belfast	7.0	.01	8 46	Sunny	

### LIGHTING-UP TIMES

Belfast	4 30 p.m. to 8 00 a.m.
Birmingham	4 25 p.m. to 7 32 a.m.
Bristol	4 33 p.m. to 7 30 a.m.
Glasgow	4 16 p.m. to 8 00 a.m.
London	4 22 p.m. to 7 20 a.m.
Manchester	4 22 p.m. to 7 39 a.m.
Newcastle	4 10 p.m. to 7 44 a.m.
Nottingham	4 21 p.m. to 7 31 a.m.

### HIGH-TIDE TABLE

London Bridge	3 11 a.m.	3 29 p.m.
Dover	12 04 a.m.	12 18 p.m.
Liverpool	12 23 a.m.	12 41 p.m.

### SUN RISES

SUN RISES	7 49 a.m.
SUN SETS	3 52 p.m.
MOON SETS	9 51 a.m.
MOON RISES	6 51 p.m.
MOON	Last quarter Dec. 11

### SATELLITE PREDICTIONS

The figures give in order, time and visibility, where rising, maximum elevation, and direction of setting. An asterisk denotes entering or leaving eclipse.

London  
Cosmos 236 rocket: 18.48-18.51 WNW 35SW SW  
COS-B 2nd stage: 17.14-17.19 S 45NW N (Dec. 7) 4.51-5.10 N 90WSW S.

Manchester  
Cosmos 236 rocket: 17.08-17.15 WNW 80ENE ESE  
COS-B 2nd stage: 17.15-17.19 S 80W N (De. 7) 4-51-5 09 N 80NE S.

LONDON READINGS  
From 6 p.m. Tuesday to 6 a.m. yesterday: Min temp 12C (54F). From 6 a.m. to 6 p.m. yesterday: Max temp 16C (61F). Total period: Rainfall, 0.07in; sunshine, nil.

The Guardian  
119 Farringdon Road,  
London, EC1R 3ER

