Annual Abstract of Statistics 1980 Edition

Editor: ETHEL LAWRENCE

CENTRAL STATISTICAL OFFICE

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London: Her Majesty's Stationery Office

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First published 1980

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BACKFILE VOLUMES

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Introduction

This Annual Abstract of Statistics for the United Kingdom has been prepared by the Central Statistical Office in collaboration with the statistics divisions of government departments.

- 2. The name of the department or organisation providing the statistics is shown under each table. Some of the statistics provided by government departments are actually collected by other organisations such as the national associations. The assistance provided by these organisations is gratefully acknowledged.
- 3. In addition, an Index of Sources is given on pages 479 to 489, which sets out the official publications or other sources from which the statistics are taken or to which reference can be made. The tables in this issue contain the latest statistics available, even though they may not yet have appeared in departmental publications.
- 4. Most of the tables in this Abstract of Statistics give annual figures, so far as they are available, for each of the years 1968 to 1978. Some of the tables include figures for the early months of 1979. Current data for many of the series appearing in the Abstract are contained in Economic Trerds, the Monthly Digest of Statistics and in Financial Statistics, prepared by the Central Statistical Office and published monthly by Her Majesty's Stationery Office. Information on regional detail, supplementary to the national figures in this Abstract, is published in Regional Statistics also prepared by the Central Statistical Office and published annually by Her Majesty's Stationery Office.

Definitions

- 5. Area covered. Except where otherwise stated all statistics relate to the United Kingdom of Great Britain and Northern Ireland.
- 6. Time series. So far as possible annual totals are given throughout, but quarterly or monthly figures are given where these are more suitable to the type of series. Except where it is stated to the contrary all statistics are for calendar years ended 31 December.

For some series, weekly data are collected and not figures for calendar years. In such cases the figures appearing in the columns for particular years are cumulative totals for 52 or 53 weeks and, where this is so, attention is drawn to the footnotes to the tables. Since the series have not been adjusted to make them equivalent to a calendar year, care must be taken in making comparisons between figures for periods of different numbers of weeks.

7. Explanatory notes. Several sections of the Abstract are preceded by pages of explanatory notes which should be read in conjunction with the tables. Additional notes appear before Chapters 8, 11, 15 and 18. Definitions of many of the terms occurring in both the Abstract and the Monthly Digest of Statistics are given in detail in the Supplement of Definitions and Explanatory Notes to the Monthly Digest of Statistics, published annually by Her Majesty's Stationery Office. Detailed notes on items which appear in both the Abstract and Financial Statistics are given in a Supplement to the latter entitled Financial Statistics:

Explanatory handbook, first published in October 1977. The original sources listed in the Index of Sources may also be consulted.

8. Consumption and stocks. Statistics of consumption and stocks should be used with care. The terms 'consumption', 'disposals' and 'stocks' are normally defined in detail in the Supplement to the Monthly Digest of Statistics. The stocks figures given may often relate to only part of the total stocks in the country.

Revisions and changes in content

- 9. Revisions. The scope of the Abstract is revised from time to time to include new statistical information as it becomes available. Some of the figures in this Abstract are regarded as provisional only and may be revised subsequently. This applies particularly to the latest year shown.
- 10. Numbering. Tables were re-numbered within sections from the 1977 issue and a reconciliation of the new table numbering with the old was shown.
- 11. Chapter 5. Education. This chapter has been completely recast on a United Kingdom basis and a full list of the tables is given in the Contents pages.
- 12. New tables. In addition to those in Chapter 5 (Education) the following new tables have been introduced into this issue of the Abstract:

Table

- 7.13 Service aircraft: accidents and rates.
- 11.1 Retail trades by form of organisation and kind of business.
- 11.12 Gross central government expenditure on research and development.
- 11.13 Net central government expenditure on research and development.
- 11.14 Intra-mural expenditure on research and development at 1975 prices.
- 18.6 Index of producer prices of agricultural products.
- 18.7 Index of purchase prices of the means of agricultural production.
- 13. Extended series and revisions. Other changes in the contents of this issue as compared with the previous issue involve the addition of new series to existing tables and some substantial revisions. The following are the tables principally affected by these alterations:

Table

- 3.53 Fatal accidents at work.

 Amended to conform with statistics shown in Health and Safety statistics.
- 6.11 Employment vacancies unfilled in Great Britain.
 No breakdown now given to show males and females.
- 6.17 Size of manufacturing units 1976.

 Extra column showing unit of employment size group (1-10)

Table

- 7.17 Selected qualifications obtained under Service Sponsorship.
 The range of qualifications covered has been extended.
- 8.54 Minerals: production.

 Now given in two parts, one showing Great

 Britain data and the other Northern Ireland
- 9.34 Self sufficiency in food and the cost of food processing and distribution in the UK.

 This table combines the former Tables 9.34 and 9.35 and provides information on a calendar year basis.
- 14. Deletions. The tables listed below appeared for the last time in the Annual Abstract No 115, 1979 edition. Tables
 - 11.1 Retail and allied service trade establishments.
 - 17.3 Currency circulation.
 - 18.6 Wholesale prices: annual average prices for selected commodities imported into the United Kingdom.

18.7 Index numbers of agricultural prices. Average of 1968/69-1971/72 = 100.

Symbols and conventions used

- 15. Change of basis. Where consecutive figures have been compiled on different bases and are not strictly comparable, a footnote is added indicating the nature of the difference.
- 16. Units of measurement. A table showing the various units of measurement used in this Abstract and, where appropriate, their metric equivalents, is given on page xiv.
- 17. Rounding of figures. In tables where figures have been rounded to the nearest final digit, there may be an apparent slight discrepancy between the sums of the constituent items and the total as shown.
- 18. Symbols. The following symbols have been used throughout the Abstract:
 - .. = not available
 - = nil or negligible (less than half the final digit shown)

n.e.i. = not elsewhere included

n.e.s. = not elsewhere specified

Central Statistical Office, Great George Street, London SW1P 3AQ.

October 1979

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^{*}New or revised in this issue of the Annual Abstract

I. Area and Climate

Area of the United Kingdom [1]

TABLE 1.1

| | Total | Land | Inland water [2] | Total | Land | Inland water [2] | | |
|----------------------|---------------------------|---------------------------|------------------|------------------------------|------------------------------------|-------------------|--|--|
| Metric measure | | Thousand hed | tares | Square kilometres | | | | |
| United Kingdom | 24,411 | 24,100 | 311 | 244,108 | 241,001 | 3,107 | | |
| Great Britain | 22,999 | 22,752 | 247 | 229,988 | 227,518 | 2,470 | | |
| England and Wales | 15,121 13,044 2,077 | 15,034 12,970 2,064 | 87 74 13 | 151,207 130,438 20,769 | 150,342 129,702 20,640 | 865 736 129 | | |
| Scotland | 7,878 | 7,718 | 160 | 78,781 | 77,176 | 1,605 | | |
| Northern Ireland [3] | 1,412 | 1,348 | 64 | 14,120 | 13,483 | 637 | | |
| Imperial measure | | Thousand acr | es | Square miles | | | | |
| United Kingdom | 60,320 | 59,552 | 768 | 94,251 | 93,051 | 1,200 | | |
| Great Britain | 56,831 | 56,220 | 611 | 88,799 | 87,845 | 954 | | |
| England and Wales | 37,364 32,232 5,132 | 37,150 32,050 5,100 | 214 182 32 | 58,381 50,362 8,019 | 58,047 50,0 <i>7</i> 8 7,969 | 334 284 50 | | |
| Scotland | 19,467 | 19,070 | 397 | 30,418 | 29,798 | 620 | | |
| Northern Ireland [3] | 3,489 | 3,332 | 157 | 5,452 | 5,206 | 246 | | |

^[1] Figures compiled at 31 March 1979. [2] Excluding tidal water. [3] Excluding certain tidal waters that are parts of statutory areas in Northern Ireland

Source: Ordnance Survey, Southampton; Ordnance Survey of Northern Ireland, Belfast

Mean daily air temperature at sea level

TABLE 1.2

Degrees centigrade [1]

| | Average 1941-70 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 |
|-------------------|--------------------|------|------|------|------|------|------|------|------|------|------|------|
| England and Wales | | | | | | | | | | | | |
| Annual mean | 10,0 | 9.9 | 10.1 | 10,4 | 9.8 | 10.2 | 10.0 | 10.4 | 10,5 | 10.0 | 9.8 | { |
| January | 4.0 | 6.2 | 4.4 | 5.2 | 4.5 | 5.2 | 6.5 | 7.2 | 6.2 | 3.5 | 3.9 | 0.9 |
| February | 4.2 | 1.7 | 3.8 | 5.4 | 5.0 | 5.0 | 6.1 | 5.2 | 5.0 | 5.7 | 3.1 | 1.9 |
| March | 6.2 | 4.1 | 4.3 | 5.7 | 7.0 | 6.9 | 6.2 | 5.3 | 5.4 | 7.5 | 7.2 | 5.3 |
| April | 8.8 | 7.9 | 7.1 | 8.1 | 8.8 | 7.6 | 8.3 | 8.6 | 8.3 | 7.7 | 6.8 | 8.1 |
| May | | 11.6 | 13.0 | 12.0 | 11.1 | 11.8 | 11.3 | 10.1 | 12.2 | 10.8 | 11.5 | 10.3 |
| June | 14.7 | 14.3 | 16.4 | 13.0 | 12.4 | 15.3 | 14.1 | 14.8 | 17.1 | 12.8 | 14.0 | 14.3 |
| July | 16.3 | 17.0 | 15.6 | 17.0 | 15.7 | 15.9 | 15.5 | 17.5 | 18,5 | 16.2 | 15.1 | |
| August | 16.1 | 16.6 | 16.4 | 16.2 | 15.6 | 16.9 | 15.7 | 18.7 | 17.6 | 15.7 | 15.4 |] |
| September | 14.3 | 14.6 | 14.9 | 14.8 | 12.4 | 14.8 | 12.6 | 13.9 | 13.8 | 13.7 | 14.5 | 1 |
| October, | 11.2 | 13.3 | 11.3 | 12.1 | 11.2 | 9,8 | 8.2 | 10.5 | 11,2 | 12.2 | 12.4 | [|
| November | 7.2 | 6.2 | 8.4 | 6.8 | 6.9 | 6.7 | 7.2 | 6.7 | 6.8 | 7.0 | 9.0 | ĺ |
| December | 5.1 | 4.2 | 5.1 | 7.3 | 6.6 | 5.7 | 8.3 | 5.6 | 2.8 | 6.6 | 4.8 | 1 |

See footnote on page 2.

Source: Meteorological Office

Mean daily air temperature at sea level

TABLE 1.2 (continued)

Degrees centigrade [1]

| IABLE 1.2 (continued) | | | | | | | | D og. c | Degrees certigrade [1] | | | |
|-----------------------|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------------|----------------------|----------------------|--------------------|
| | Average 1941-70 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 |
| Scotland Annual mean | 8.7 | 8.3 | 8.3 | 9.1 | 8.5 | 8.5 | 8.8 | 9.0 | 9.1 | 8.6 | 8.6 | |
| January | 3.5 3.7 5.4 | 4.7 1.1 3.1 | 3.4 2.1 3.9 | 4.8 5.3 5.4 | 4.1 4.3 5.7 | 4.9 4.0 6.4 | 5.9 5.4 5.4 | 5.3 4.8 4.5 | 5.0 5.2 4.9 | 2.8 3.6 6.3 | 2.8 1.9 5.9 | 0.8 1.9 3.6 |
| April | 7.5 9.9 12.7 | 6.6 9.5 13.2 | 5.9 10.9 14.4 | 7.4 10.9 11.4 | 7.8 10.2 11.3 | 6.2 9.7 13.3 | 7.6 10.3 12.3 | 7.3 8.6 12.6 | 7.8 10.2 13.9 | 6.4 9.5 11.5 | 6.1 10.9 12.5 | 6.7 8.3 12.9 |
| July | 14.1 | 15.0 15.3 12.7 | 13.1 14.6 12.5 | 14.6 13.9 13.2 | 14.2 13.3 11.0 | 14.4 14.2 12.3 | 13.4 13.9 11.0 | 14.9 16.2 11.6 | 16.1 15.3 12.2 | 14.7 13.9 11.7 | 13.2 13.9 12.6 | |
| October | 9.9 6.3 4. 6 | 11.7 3.6 3.7 | 9.5 5.9 4.6 | 10.5 5.7 7.1 | 10.1 5.3 5.4 | 8.4 5.0 4.0 | 7.7 6.1 6.5 | 10.2 6.4 6.1 | 9.8 6.2 2.2 | 11.2 5.4 5.8 | 11.0 7.6 4.2 | |
| Northern Ireland | | | | | | | | | | | | |
| Annual mean | 9.3 | 8.6 | 9.1 | 9.5 | 8.6 | 9.1 | 9.1 | 9.8 | 9.5 | 9.1 | 9.3 | |
| January | 4.0 4.3 6.2 | 4.5 1.2 3.3 | 3.7 2.7 4.5 | 4.8 5.4 5.5 | 3.4 4.3 5.3 | 5.3 4.3 5.9 | 6.2 5.6 5.8 | 6.1 5.5 5.3 | 5.8 5.3 5.7 | 2.9 4.3 7.0 | 3.6 3.4 6.3 | 0.9 2.6 4.3 |
| April | 8.2 10.8 13.5 | 7.1 10.0 13.0 | 6.7 12.0 15.4 | 7.5 10.5 11.9 | 8.0 9.5 10.7 | 6.9 10.2 13.8 | 8.3 10.4 12.6 | 8.4 9.9 13.8 | 8.3 10.6 15.3 | 7.3 10.0 12.4 | 6.7 11.4 12.7 | 6.9 8.6 13.1 |
| July | | 15.4 15.1 12.8 | 13.7 14.9 12.9 | 15.2 14.3 13.4 | 14.6 13.3 11.2 | 14.9 15.1 12.9 | 14.0 14.4 10.9 | 16.1 16.6 12.3 | 16.2 16.1 12.6 | 15.8 14.6 12.2 | 14.1 14.4 13.6 | |
| October | | 12.5 4.3 4.0 | 10.3 6.6 4.7 | 11.2 6.7 6.5 | 10.1 5.6 5.5 | 8.9 6.0 4.9 | 7.9 5.7 7.4 | 10.7 6.7 6.0 | 9.2 5.8 2.4 | 11.6 5.1 6.2 | 11.9 8.4 4.5 | |

^[1] To convert degrees centigrade into degrees fahrenheit: multiply by 9, divide by 5, and add 32

Source: Meteorological Office

Number of days with frost [1] at selected stations Monthly and annual averages for standard period

TABLE 1.3

Days

| | Aberdeen (Craibstone) | Glasgow (Abbotsinch) | Cambridge | Birmingham | Kew Observatory | Preston | Falmouth | Armagh |
|----------------------|--------------------------|-------------------------|-------------------|-------------------|--------------------|-------------------|-------------------|-------------------|
| | 1969-78 | 1969-78 | 1969-78 | 196978 | 1969–78 | 1969 <i>–</i> 78 | 1969-78 | 1969-78 |
| Annual | 53.3 | 57.6 | 44.0 | 31.1 | 48.7 | 39.7 | 10.7 ~ | 45.3 |
| JanuaryFebruaryMarch | 12.1 | 9.0 9.6 9.3 | 8.2 9.4 7.7 | 6.3 8.3 6.4 | 8.7 10.2 8.6 | 6.9 7.8 6.8 | 2.1 3.2 2.0 | 8.2 9.3 7.3 |
| April | 0.2 | 5.8 1.2 — | 3.9 0.3 — | 1.6 _ _ | 4.0 0.9 — | 3.5 0.1 — | 0.2 - - | 4.4 0.3 — |
| July | _ | - 1.3 | - - 0.1 | _ _ _ | - - 0.1 | - - 0.1 | - - - | - 0.1 |
| October | | 2.2 8.9 10.3 | 0.6 5.6 8.2 | 3.1 5.4 | 1.0 7.0 8.2 | 0.7 6.4 7.4 | 0.8 2.4 | 0.9 7.3 7.5 |

Annual totals for each of the years 1957 to 17/8

Days

| | Aberdeen (Craibstone) | Glasgow (Abbotsinch) [2] | Cambridge | Birmingham | Kew Cbservatory | Preston | Falmouth | Armagh |
|------|--------------------------|--------------------------------|-----------|------------|--------------------|---------|----------|--------|
| 1957 | 48 | 44 | 43 | 19 | 13 | 36 | 7 | 30 |
| 1958 | 74 | 69 | 65 | 45 | 31 | 64 | 13 | 47 |
| 1959 | 46 | 52 | 58 | 31 | 29 | 43 | 8 | 40 |
| 1960 | 53 | 63 | 55 | 27 | 20 | 54 | 16 | 55 |
| | 55 | 53 | 56 | 27 | 22 | 41 | 6 | 41 |
| | 64 | 59 | 86 | 58 | 44 | 57 | 17 | 55 |
| 1963 | 70 | 76 | 81 | 69 | 61 | 73 | 33 | 75 |
| | 33 | 42 | 60 | 40 | 26 | 51 | 16 | 35 |
| | 61 | 73 | 60 | 41 | 31 | 60 | 26 | 49 |
| 1966 | 61 | 63 | 41 | 27 | 17 | 38 | 5 | 30 |
| | 38 | 52 | 48 | 26 | 26 | 35 | 10 | 32 |
| | 63 | 79 | 57 | 46 | 33 | 60 | 14 | 62 |
| 1969 | 64 | 77 | 49 | 59 | 61 | 64 | 13 | 69 |
| | 59 | 66 | 56 | 49 | 62 | 57 | 21 | 60 |
| | 43 | 50 | 35 | 23 | 46 | 41 | 9 | 36 |
| 1972 | 48 | 53 | 24 | 16 | 44 | 22 | 4 | 47 |
| | 71 | 56 | 63 | 29 | 61 | 39 | 9 | 48 |
| | 31 | 37 | 24 | 11 | 29 | 18 | 1 | 25 |
| 1975 | 47 | 57 | 45 | 23 | 45 | 31 | 5 | 38 |
| | 54 | 56 | 48 | 58 | 50 | 42 | 15 | 44 |
| | 56 | 55 | 41 | 27 | 35 | 34 | 12 | 45 |
| 1978 | 63 | 69 | 55 | 47 | 54 | 49 | 19 | 46 |

^[1] The criterion used to the end of 1962 was of screen temperature, measured at 4 feet above ground level, 0°C (32°F) or lower, from the beginning of 1963 the criterion has been of the screen temperature below 0°C (32°F). [2] Data up to April 1966 are for Renfrew.

Source: Meteorological Office