

93 e. ^{ra}

UDC 551.577.2(410)
551.578.46

METEOROLOGICAL OFFICE

London Road, Bracknell, Berkshire.

**SNOW SURVEY
of
GREAT BRITAIN**

1970/71

MAIN
METEOROLOGICAL OFFICE
6 DEC 1971
HONINGTON

Climatological Services (Met.O.3)
October 1971

INTRODUCTION

The material from which this report is compiled has been obtained largely from daily records of snowfall and snow cover provided by a special network of observers in Great Britain; these reports are supplemented by snow data from the routine network as mentioned below. These observers were selected to provide a network of stations as mentioned below. The main snow liability was estimated to be about 1 in 10, based on the records of snowfall and snow cover from 1951 to 1969. A few observers in the north provide additional reports during the winter months and these extra data are presented as brief as possible in the main text.

Observers report days on which snow is known to have occurred at the station at any time. In addition they also include days when snow was lying at the station (that is when snow covers one half or more of the ground, normally at 0.00 m, together with the total depth of undrifted snow at the time). Where possible, observers also send details of snow cover on hills or mountains of various heights (at intervals of about 100 metres) if they cover snow up to or beyond the station level. Snow cover is also noted when the ground is at least half covered with snow undrifted.

To supplement the reports from the routine network, information regarding snow given by stations in the routine network is also included. The Meteorological Office has also collected information from other sources for all stations and this information is included in the report. However, for 15 of these stations the data are not included in this report in order to fill gaps in the network; these are listed in Table 3. The data for these stations are not included in this report in order to fill gaps in the network; these are listed in Table 3. The data for these stations are not included in this report in order to fill gaps in the network; these are listed in Table 3.

SNOW SURVEY of GREAT BRITAIN 1970/71

This report follows the arrangements for the 1970/71 season and the arrangement is described below.

The figures
Figure I shows the locations of snow survey stations and also the climatological districts referred to in Table 3 (these districts are identical with those used in the Monthly Weather Report). Figure II illustrates the variation of the duration and extent of snow cover with height observed from stations.

The text
The first part of the text attempts to give an overview of the snow season in terms of weather patterns with falling and rising air. Then follow details on each month of the snow season and climatological districts. A brief summary of the frequency of snowfall and snow lying and a brief mention of any noteworthy features of the text is included in the subsequent Tables 1 to 4 of which an attempt is made to give an overview of the snow season in terms of weather patterns with falling and rising air.

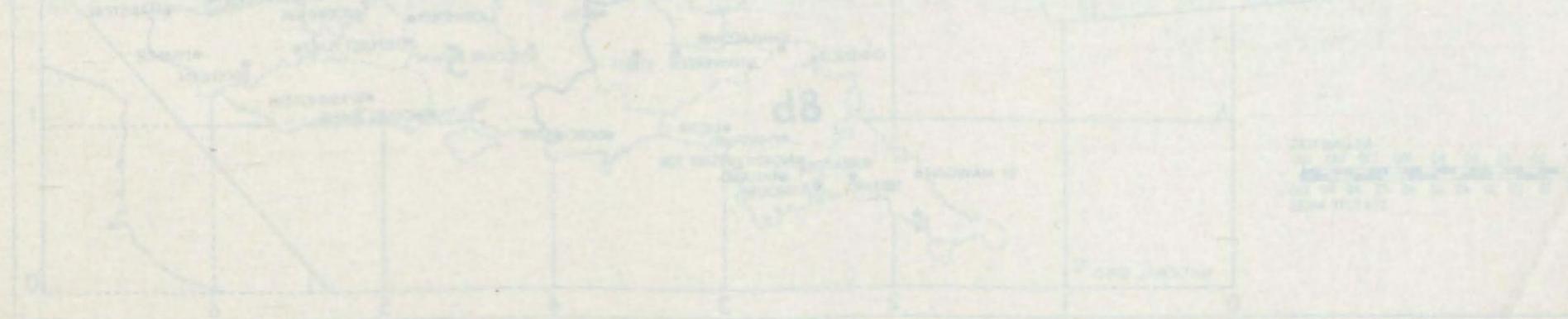


FIG I

POSITIONS OF SNOW SURVEY STATIONS 1970/71

DISTRICTS

- 0 = SCOTLAND NORTH
- 1 = SCOTLAND EAST
- 2 = ENGLAND NORTH-EAST
- 3 = ENGLAND EAST
- 4 = MIDLANDS COUNTIES
- 5 = ENGLAND SOUTH-EAST
- 6a = SCOTLAND WEST
- 6b = ISLE OF MAN
- 7a = ENGLAND NORTH-WEST
- 7b = NORTH WALES
- 8a = SOUTH WALES
- 8b = ENGLAND SOUTH-WEST



1970/71 (1971) - BLUE

INTRODUCTION

The material from which this report is compiled has been obtained largely from daily records of snowfall and snow cover provided by a special network of observers in Great Britain; these reports are supplemented by snow data from the routine network as mentioned below. These observers send reports to the Meteorological Office each month throughout the main snow liability period, that is 1 October to 31 May. A few observers in the north provide additional reports during the other months and these extra data are presented as brief notes in the main text.

Observers report days on which snow is known to have occurred at the station at any time. In addition they also include days when snow was lying at the station (that is when snow covers one half or more of the ground), normally at 09 GMT, together with the total depth of undrifted snow at the time. Where possible observers also send details of snow cover on surrounding hills or mountains at various heights (at intervals of about 150 metres) even if snow cover does not extend down to station level. Snow cover in this report means that the ground is at least half covered with snow unless otherwise indicated.

To supplement the reports from the special Snow Survey network, information regarding snow given by stations sending monthly climatological returns to the Meteorological Office has also been considered. Lack of space precludes the entry of all this extra information in this report but certain snow data for these stations are published in the Monthly Weather Report of the Meteorological Office. However, data for 19 of these stations have been included in this report in order to fill gaps in the network; these stations are distinguished by a plus-sign in Table 3. Use has been made of the Monthly Weather Report and returns from stations appearing in it to provide data for Tables 1 and 2. Without the co-operation of all those responsible for voluntary observations this report could not have been prepared and thanks are due to all those concerned.

Arrangement of the Report

This report follows the same pattern as that for the 1969/70 season and the arrangement is described below.

The figures

Figure I shows the network of Snow Survey stations and also the climatological districts referred to in Table 3 (these districts are identical with those used in the Monthly Weather Report). Figure II illustrates the variation of the duration and extent of snow cover with height observed from named stations.

The text

The first part of the text attempts to sum up the snow season in terms of numbers of days with snow falling and snow lying. Then follow notes on each month of the snow season giving an indication of the temperature during the month, frequencies of days with snow falling and snow lying and a brief mention of any noteworthy snowfalls. The text is supplemented by the subsequent Tables 1 to 4 of which an account now follows.

The tables

Temperature and precipitation monthly mean data separately for England and Wales and for Scotland were first introduced in the Snow Survey of Great Britain in the 1960/61 season. These data were: temperature difference from average (at first 1921-50 and later 1931-60) taken as the mean of values for 30 stations in England and Wales and 15 stations in Scotland; mean temperature at mean sea level derived by applying these differences to an average temperature calculated from a map of all available temperatures, reduced to mean sea level (by a correction of 0.6 degrees Celsius per 100 metres); percentage of average precipitation (1916-50) taken as the mean of values for about 120 stations in England and Wales and 60 stations in Scotland; mean precipitation derived by applying these percentages to the deduced mean areal average obtained from maps of all available precipitation values.

In 1967/68 temperature and precipitation data were presented in a different form giving values for the climatological districts used in the Monthly Weather Report. Each district value of mean temperature and difference from average, and mean precipitation and percentage of average, was obtained as a simple mean of the appropriate values of the 5 district value stations used in the Monthly Weather Report; the values for England and Wales and Scotland were means of the appropriate districts but from 1968/69 precipitation values were obtained again by the old method.

From 1970/71, following a change in the derivation of district values of percentage of average precipitation in the Monthly Weather Report in January 1971, tables giving temperature and precipitation data are no longer being published here; full details are already available in the published Monthly Weather Reports.

Table 1 (formerly Table 2) provides a comparison of snow seasons from 1946/47 to 1970/71. The table has been compiled from data published in the Monthly Weather Report and includes estimates of missing data; in the majority of these cases data for one month only have been estimated. Dashes indicate no data available. In the columns headed Fort Augustus/Corpach the values up to and including 1969/70 refer to the former station and subsequent values refer to the latter station; similarly for the columns Braemar/Balmoral where the change-over season is 1958/59. The details of stations in Table 1 which do not appear in the main table are as follows :

STATION	HEIGHT (metres)	NATIONAL GRID REFERENCE
Corpach (Inverness-shire)	8	NN(27) 080 764
Fort Augustus (Inverness-shire)	21	NH(28) 381 091
Braemar (Aberdeenshire)	339	NO(37) 152 914
Balmoral (Aberdeenshire)	283	NO(37) 260 946
West Linton (Peeblesshire)	244	NT(36) 150 520
Huddersfield Oakes (West Riding of Yorkshire)	235	SE(44) 113 177
Buxton (Derbyshire)	307	SK(43) 059 738
Woburn (Bedfordshire)	89	SP(42) 964 358
Newton Abbot (Devon)	83	SX(20) 828 729

It should be noted that Table 1, which was first included in the 1968/69 report, has been checked and amended since it last appeared; a few errors have been corrected and some values in it have been revised as a result of new estimates of missing data.

Table 2 (formerly Table 3) gives daily depths of snow in centimetres (cm) at a selection of stations. The entry T indicates that the depth of snow was less than 0.5 cm. Details for stations in Table 2 not mentioned in other tables are as follows :

STATION	HEIGHT (metres)	NATIONAL GRID REFERENCE
Achany (Sutherland)	85	NC(29) 569 018
Lairg (Sutherland)	107	NC(29) 578 055
Grantown-on-Spey (Moray)	229	NJ(38) 039 285

Table 3 (formerly Table 4) is the main table in the report and gives for each station in Figure I four values for each month and for the season. These values are :

1. Number of days when snow occurred at the station
2. Number of days when snow was lying at the station
3. A measurement of the maximum depth of undrifted snow lying at the station
4. The first date when this maximum depth of snow was attained.

These figures are arranged in a set pattern as in the following example :

10	6
5	8

This means that snow occurred at the station on 10 days during the month and that half or more of the ground in the immediate neighbourhood was snow covered on 6 days; 5 cm was the greatest depth of accumulated and undrifted snow observed and this depth was first measured on the 8th. Entries consisting of asterisks (*) indicate either that the data were missing entirely or they were incomplete, T has the same meaning as in Table 2 and D means that no measurement of level snow was possible due to excessive drifting.

Table 4 (formerly Table 5) lists the monthly and 'seasonal' number of days with snow seen lying at three stated levels observed from a selection of stations whose data are fully plotted in Figure II. It should be noted that values in this table exclude days when the mountains were obscured by low cloud etc; these days are indicated in Figure II.

SNOW SURVEY OF GREAT BRITAIN

OCTOBER 1970 - MAY 1971

Number of days with snow falling

Overall, the number of days on which snow or sleet (rain or drizzle and snow) was reported during the period was about 70 per cent of average, and it was rather less than half the number for the 1969/70 season. Snow fell on the Cairngorm peaks at about 1200 metres (m) on 70-90 days but on high ground generally in Scotland at around 1000 m snow probably occurred on 35-50 days. Snow occurred on the peaks of the Southern Uplands of Scotland and in northern England, that is about 800-1000 m, on about 30-45 days; on high ground farther south in England, and also in Wales and on the moors in south-west England, at about 600-900 m, the frequency was 20-30 days. At lower levels in Great Britain the number of days was 10-20, except near western coasts where many places had snow or sleet on less than 10 days.

Number of days with snow lying

In the Cairngorms, Ben Macdui (Inverness-shire), height 1310 m, was snow covered on 217 days at the highest levels, and this region generally had snow cover at 900 m on about 180 days. Elsewhere in the Scottish Highlands much of the ground at 900 m was covered with snow on 90-110 days but with local increases to 130-140 days. At 300 m in the Highlands snow was seen lying on 20-40 days but it was rather more frequent at this altitude in the Cairngorms. Although some of the peaks in southern Scotland, northern England and Wales at around 900 m were seen snow covered on over 100 days, the snow cover was very thin and patchy at times and most of the highest ground in these regions had snow lying on 60-80 days. In Scotland, away from mountainous areas, snow lay on the ground on only about 15-25 days and many places, particularly near western coasts, had snow cover on about 5-10 days. At lower levels farther south snow cover occurred on 10-15 days in many areas and it was reported locally on Exmoor and Dartmoor at 500 m or above on 20-25 days. However, a large number of places, especially in the west, had snow lying on very few days.

Notes on the individual months

Some notes on observations made during the summer of 1970 in the mountains of Scotland are given as a prelude to general remarks on the snow season proper, October 1970 to May 1971.

June 1970

On the 1st for one day the observer at Achnagoichan (Inverness-shire) saw fresh snow cover above about 900 m, and in the Cairngorms the observer at Derry Lodge (Aberdeenshire) reported patches of snow persisting at 1200 m until the 10th.

July 1970

Several sleet showers occurred during the month at high levels in the Cairngorms, particularly around the 19th, and a snow depth of about 5 cm was estimated at an altitude of 600 m near Derry Lodge for a short time on the 21st. On the last day of the month large snowfields were reported by the Derry Lodge observer down to 900 m on Moine Mhor and Beinn a'Bhuird, mostly on east or south-east facing slopes.

August 1970

On the 31st small snow patches were observed in east facing corries on Moine Mhor and Beinn a'Bhuird at 1000 m.

September 1970

Sleet fell at 1000 m in the Cairngorms on the 1st and it also occurred as low as 450 m at times during the second week. Snow settled briefly on Ben Nevis, height 1343 m, and on peaks in the Cairngorms on the 13th and snow lay at 900 m near Derry Lodge for part of the 14th.

October 1970

Monthly mean temperature was near or slightly above average in most areas. During the first week snow or sleet occurred on high ground in the north and snow lay at times on some of the highest peaks in Scotland. Around the 10th snow settled briefly on high ground in northern England and Wales. In the latter half of the month snow or sleet recurred in the north and on the 20th sleet fell on Dartmoor. Snow covered the Scottish mountains above 750 m for most of the last 10 days.

November 1970

Over the month as a whole mean temperature varied from about 1 deg C below average in the north to 1 deg C above average in the south. The month began and ended mild but it was cold around mid-month.

The frequency of snow was about average and there were no noteworthy occurrences. Sleet or snow fell on 15 days at Cairngorm (Inverness-shire), height 1090 m. However, in general snow occurred on about 10 days on the upper slopes of the Scottish Highlands and on 3-6 days at low levels. Snow fell on 2-5 days at 300 m in southern Scotland and northern England, and it occurred on 3 days or so on the highest parts of the South Pennine Moors, North York Moors and the Welsh mountains. At lower levels snow was reported on 1-3 days in Scotland but many areas escaped snow altogether, especially near coasts in the north, and also in England and Wales generally.

A number of mountain peaks in Scotland, including Ben Nevis and Ben Macdui, were snow covered throughout the month. Snow lay at 900 m in many areas in the Scottish Highlands on 15-20 days and locally on 25 days. Snow cover persisted on only 4-8 days at 300 m in the Scottish Highlands and at 400 m in the Southern Uplands. In northern England and in Wales snow lay on the highest ground on about 10 days, but it occurred locally on the peaks on 14-17 days; at lower levels in these regions snow lay on only about 3 days or so. Snow lay on Snaefell (Isle of Man), height 620 m, on 3 days but most other areas were free of lying snow.

December 1970

Monthly mean temperature was near average in most areas but it was a little below average in southern England. Cold spells occurred everywhere from the 8th to 16th and, in particular, during the last 10 days.

Snow occurred much more frequently than average in the southern half of Great Britain (up to 3 or 4 times the average number of days with snow or sleet occurred locally in the south of England). This was due to a snowy period which commenced around the 23rd and lasted for the remainder of the month. Snow fell on about 20 days in the Cairngorms but, in general, it occurred on 7-10 days on high ground in Scotland and northern England and also in many parts of southern and eastern England, especially in elevated areas. A similar frequency occurred in the Welsh mountains. Most other areas had snow on 3-7 days but snow fell on less than 3 days near Scottish coasts, particularly in the west, and near north and west coasts of England and Wales.

Snow lay on the ground throughout the month in many parts of the Scottish mountains above about 1000 m and on about 20 days at 750 m. At lower levels in Scotland snow persisted on 6-10 days, especially in the Grampians and on the upper slopes of the Southern Uplands, but near coasts lying snow occurred on only 1 or 2 days. Although snow lay on the highest parts of Cross Fell (Cumberland), height 893 m, on 17 days - with traces on other days - in northern England generally snow cover was reported on 5-9 days at about 300 m and also on the higher ground in Wales. Elsewhere in England, snow covered the ground on 6-9 days in the hilly areas and on 3-5 days nearer sea level but on coasts in the west, and also on Welsh coasts, lying snow was rare.

The main snowfall was during the last 8 days and affected especially southern England where many areas had a white Christmas and Boxing Day (26th) sport was severely curtailed. Snow depths varying from 8 cm to 18 cm were reported at times during this wintry spell and snowdrifts on high ground from Cornwall to Kent blocked roads on the 30th.

January 1971

Apart from the first 5 days and the last 4 days it was milder than average with record high temperatures during the second week. The mild month led to an unusually snow-free January, more especially at low altitudes. However, a brief but heavy fall occurred in parts of Wales and the West Country on the 31st and gave depths of 10-15 cm in places for a few hours.

Snow or sleet fell on 18 days at Derry Lodge and on about 8-12 days at 300 m in the Cairngorms. The frequency was 6-10 days at 900 m in the North West Highlands and on the highest parts of the Southern Uplands, the Pennines and the Cambrian Mountains. The same frequency occurred in the northern isles of Scotland but elsewhere snow fell on only 1-3 days except locally, mainly in elevated areas, where it occurred on up to 5 days.

During the mild spell much of the lying snow melted, even in the Scottish mountains, but patches persisted throughout the month at high levels in some areas. Toll Creagach, height 1052 m, near Loch Mullardoch in the North West Highlands, and Ben Nevis retained patches of snow cover all month but on Ben Macdui for a few days around the 13th a few snow-filled corries only were observed. Other high peaks in the Grampians lost much of their snow cover for a time during the month; Ben Lawers (height 1215 m), Ben Alder (1148 m) and Schiehallion (1081 m) had virtually no snow cover from the 7th to 17th. Nevertheless, although the snow was probably not very deep, broadly speaking the Scottish Highlands were snow covered at 750 m on 15-20 days and although the Cairngorms had snow at 450 m on 20 days, generally in Scotland this level had snow lying on 8-12 days and at about 300 m on 4-7 days.

Snow covered some of the higher Scottish mountain peaks throughout the month and snow also persisted all month in patches on Cross Fell and Snowdon. In general in Scotland snow lay on the ground at about 750 m on 15-20 days and at 450 m on about 8-14 days but some areas at this latter altitude had snow cover on only 3-8 days. High ground in southern Scotland and northern England was snow covered at 450 m on 4-9 days and farther south at this level in the Pennines and north Wales there was snow lying on 2-7 days. Elsewhere in Britain the number of days with snow lying was between 1 and 3 days and many coastal areas, notably in the west, reported no lying snow whatever.

Snow fell in many areas on the 1st and in the south of England on the 5th; depths of snow reached 5-10 cm in a number of upland areas on these occasions. From the 18th to 20th heavy snowfall occurred over high ground in the Isle of Man, southern Scotland and northern England, and snowdrifts of 2-3 m were reported.

April 1971

Most of the first half of the month was cold, especially in the east, but the third week was generally warm away from eastern areas. Cold weather returned on the 22nd.

Snow or sleet occurred on fewer days than average in most areas; amounts were mostly small and there were no notable occurrences except for a brief inconvenient snowfall on the 26th in south Wales and the West Country. High in the Cairngorms snow fell on about 9-14 days but on the Scottish Highland peaks generally it occurred on only 2-6 days. On high ground farther south the frequency was 1-3 days. Snow rarely occurred away from hilly areas except in east Scotland around mid-month and in south Wales and southern England on the 26th but this snow soon melted.

There were practically no reports of lying snow away from hilly or mountain regions. Snow lay throughout the month in the Cairngorms above about 900 m, and also in a few parts of the North West Highlands; elsewhere in Scotland at this altitude snow lay on the ground in a few small areas on 22-27 days. In general, however, days with snow lying were very variable. Broadly speaking, snow lay at 600 m in Scotland on 3-8 days and the highest peaks in northern England and Wales were snow covered on about 2-6 days except locally in the north Pennines and north Wales where large snow patches persisted on 10-15 days. The highest parts of south Wales and southern England had a brief snow cover on the 26th.

May 1971

Monthly mean temperature was near average in most areas but one or two places in Scotland were more than 1 deg C warmer than average. Slight snow showers occurred in the Scottish mountains around mid-month and again on the 27th. Some of the highest mountain peaks in Scotland retained snow cover throughout the month or for much of it but, in general, most areas were reported free of snow except for patches here and there in favourable locations.

Meteorological Office Met O 3a
London Road
BRACKNELL
Berkshire
RG12 2SZ

Table 1

Number of days with snow or sleet falling
and snow lying during each snow season

Season	Total number of days with snow or sleet falling during season										Total number of days with snow lying during season									
	Fort Augustus/Corpach	Braemar/Balmoral	West Linton	Eskdalemuir	Huddersfield (Oakes)	Buxton	Woburn	Little Rissington	Newton Abbot	Llandrindod Wells	Fort Augustus/Corpach	Braemar/Balmoral	West Linton	Eskdalemuir	Huddersfield (Oakes)	Buxton	Woburn	Little Rissington	Newton Abbot	Llandrindod Wells
1946/47	4	66	42	65	51	46	34	41	16	38	5	99	66	59	64	71	58	55	13	54
1947/48	25	52	34	49	25	23	13	20	6	20	8	60	25	22	15	33	5	8	4	12
1948/49	-	41	24	31	19	13	7	15	1	6	-	39	10	14	10	12	2	3	0	5
1949/50	-	51	28	46	30	11	7	14	4	10	-	28	20	18	10	7	1	2	1	5
1950/51	-	93	75	79	70	59	29	39	16	38	-	102	65	61	31	48	12	22	10	16
1951/52	23	61	41	45	37	38	20	30	13	27	38	55	38	41	22	38	7	13	5	17
1952/53	19	51	44	44	25	32	26	36	9	16	12	58	34	32	11	25	25	30	4	22
1953/54	24	45	31	36	26	26	14	26	8	14	12	36	26	32	24	29	7	15	14	15
1954/55	28	71	43	52	47	42	28	50	23	24	32	86	58	57	37	52	27	34	8	26
1955/56	31	74	50	54	42	40	23	38	12	23	18	65	46	44	39	40	20	23	15	17
1956/57	17	37	27	34	26	15	12	15	1	10	13	31	15	10	10	12	5	7	0	4
1957/58	36	52	40	48	31	25	19	26	13	17	27	72	32	22	23	23	12	14	8	9
1958/59	15	29	22	25	15	12	7	10	3	10	23	60	29	26	19	26	13	15	2	20
1959/60	20	31	39	38	29	31	13	23	5	18	22	40	29	26	20	30	11	18	4	18
1960/61	14	35	22	33	20	22	7	17	1	3	2	31	8	10	6	10	0	1	1	5
1961/62	36	56	41	67	38	26	17	37	11	16	30	88	43	40	25	29	13	14	6	16
1962/63	26	58	42	62	44	47	42	46	21	26	29	90	86	82	70	74	69	74	42	71
1963/64	18	29	19	40	20	20	14	28	4	8	1	35	12	8	12	17	7	13	2	7
1964/65	28	65	34	63	36	40	20	38	8	19	13	71	31	34	20	34	10	18	6	14
1965/66	28	84	46	87	53	37	18	36	7	15	18	93	46	37	39	38	9	13	2	18
1966/67	22	64	25	82	26	28	4	31	1	13	13	53	19	20	7	14	1	8	0	0
1967/68	26	48	35	66	30	39	23	41	8	24	27	78	43	51	22	44	14	21	4	21
1968/69	21	74	24	71	51	34	24	42	11	26	25	83	32	32	53	50	18	22	8	17
1969/70	28	69	32	96	63	53	34	52	14	42	36	96	25	35	40	50	25	26	1	32
1970/71	6	34	21	46	25	16	17	29	8	17	3	28	22	19	10	23	6	17	6	9

Table 2 (continued)

February 1971									Day	March 1971										
Lairg	Grantown-on-Spey	West Linton	Eskdalemuir	Huddersfield (Oakes)	Buxton	Woburn	Little Rissington	Newton Abbot		Llandrindod Wells	Lairg	Grantown-on-Spey	West Linton	Eskdalemuir	Huddersfield (Oakes)	Buxton	Woburn	Little Rissington	Newton Abbot	Llandrindod Wells
2	6									1										
	3									2										
										3										
										4										
										5										
										6										
										7										
										8										
										9										
										10										
										11	1	2								
										12										
										13										
3		10	9							14										
2		3								15		2								
T		1								16			4							
		T					1			17										
			T							18										
										19										
										20										
										21	There were no reports of snow lying at any of these stations for the remainder of March 1971 or during April and May 1971 except for 1 cm at Little Rissington on the 26 April.									
										22										
										23										
										24										
										25										
										26										
										27										
		5	2	10	T	1	1			28										

FIG II DISTRIBUTION OF SNOW COVER 1970/71

DAYS WHEN SNOW COVER WAS POSSIBLY OBSCURED BY
LOW CLOUD SHOWN BY BLACK SQUARES BELOW 0 METRES

NUMBER OF DAYS WHEN SNOW
WAS SEEN TO BE LYING

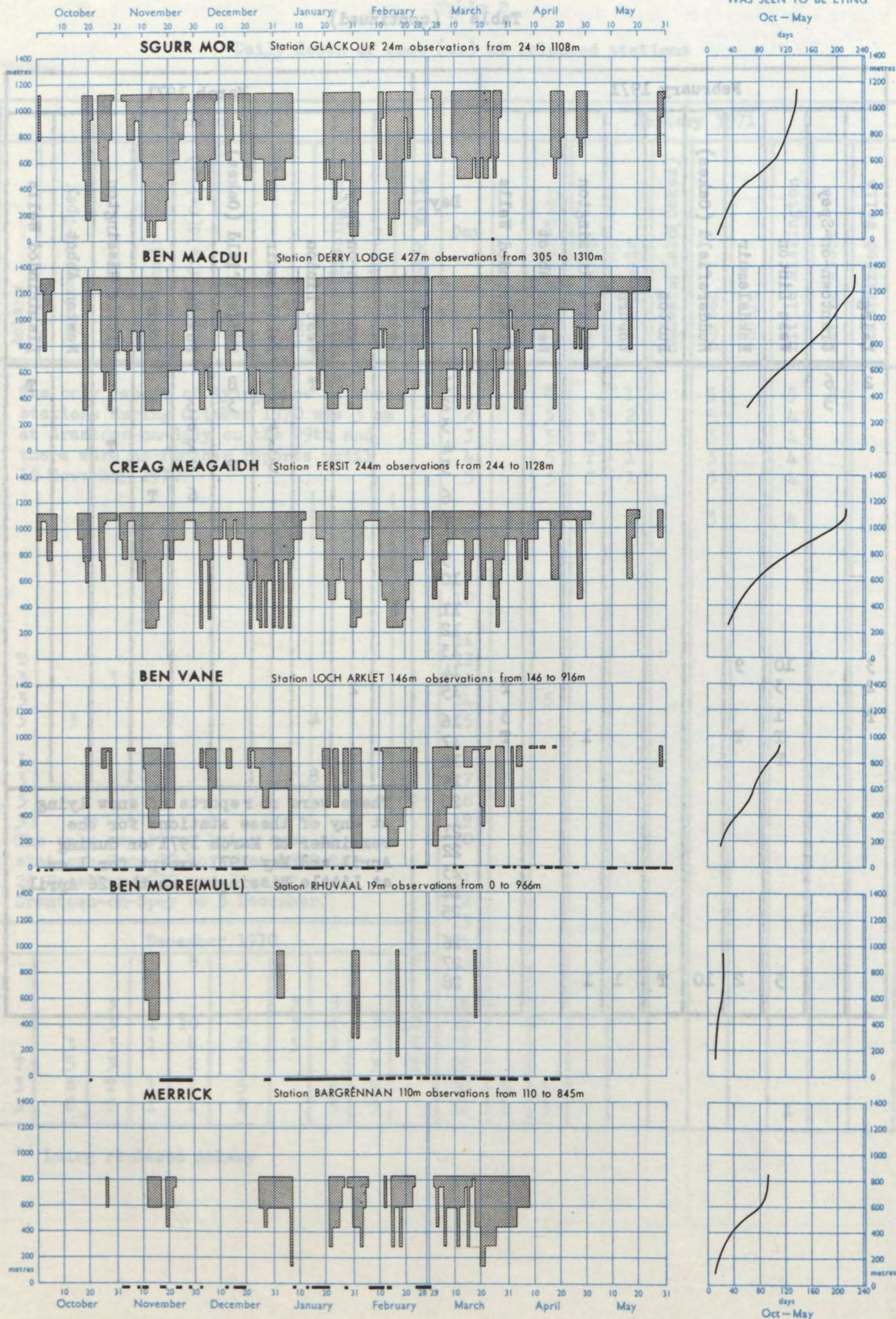


Table 3

Number of days during the month/season with snow falling and snow lying, and maximum depth (cm) with date

District, County & Place with Height & Grid Reference	1970			1971					Season	
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May		
DISTRICT 0 - SCOTLAND N.										
<u>Shetland</u>										
Mossy Hill 229 m HU(41) 396 203	0 0 - -	1 1 3 13	2 2 1 30	5 3 10 30	1 1 3 1	4 1 1 11	3 0 - -	0 0 - -	16 8 10 30/1	
Ollaberry 226 m HU(41) 333 836	2 2 1 26	5 5 1 7	8 7 2 21	8 10 8 31	5 4 5 1	10 6 T 1	4 4 1 16	0 0 - -	42 38 8 31/1	
<u>Orkney</u>										
Stenness 23 m HY(30) 298 112	0 0 - -	5 0 - -	2 0 - -	3 2 3 5	1 1 T 13	4 0 - -	4 0 - -	0 0 - -	19 3 3 5/1	
<u>Caithness</u>										
Braemore 152 m ND(39) 076 297	3 0 - -	5 3 1 15	7 5 2 31	5 7 6 31	5 3 6 1	7 2 T 9	2 0 - -	0 0 - -	34 20 6 31/1	
Wick ⁺ 36 m ND(39) 364 522	2 0 - -	3 0 - -	5 0 - -	3 0 - -	3 1 1 14	5 1 T 11	2 0 - -	0 0 - -	23 2 1 14/2	
<u>Sutherland</u>										
Achentoul 137 m NC(29) 873 354	2 0 - -	5 6 T 12	5 2 4 31	4 4 3 1	3 2 3 14	7 2 3 26	2 0 - -	0 0 - -	28 16 4 31/12	
Cassley 99 m NC(29) 396 232	2 1 3 29	2 3 3 13	1 1 T 31	3 3 3 30	2 2 3 14	* * * *	0 0 - -	0 0 - -	* * * *	
Uppat 67 m NC(29) 870 025	0 0 - -	2 2 T 12	1 1 T 30	3 3 3 29	1 1 5 13	1 1 1 10	0 0 - -	0 0 - -	8 8 5 13/2	
<u>Ross and Cromarty</u>										
Achnashellach 67 m NH(28) 038 492	0 0 - -	2 3 3 13	2 0 - -	2 1 5 31	4 4 5 1	4 0 - -	0 0 - -	0 0 - -	14 8 5 31/1	
Blackbridge 213 m NH(28) 374 710	* * * *	5 8 8 14	4 0 - -	6 3 4 31	3 6 6 13	* * * *	2 0 - -	0 0 - -	* * * *	
Fairburn 152 m NH(28) 455 528	1 1 T 29	4 5 T 13	2 3 T 3	2 2 1 6	4 7 3 14	3 1 T 11	0 0 - -	0 0 - -	16 19 3 14/2	
Glackour 24 m NH(28) 191 820	1 0 - -	4 2 1 13	2 0 - -	4 2 1 31	2 2 1 1	0 0 - -	0 0 - -	0 0 - -	13 6 1 13/11	
Inverpolly 14 m NC(29) 074 134	1 0 - -	4 1 - -	2 1 1 31	4 2 5 30	4 2 3 1	2 0 - -	2 0 - -	0 0 - -	19 6 5 30/1	

Table 3 (continued)

District, County & Place with Height & Grid Reference	1970			1971					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Kinlochewe 23 m NH(28) 024 630	0 0 - -	4 2 3 13	3 1 - -	3 2 3 31	4 3 2 1	4 0 - -	2 0 - -	0 0 - -	20 8 3 13/12
Muir of Ord 46 m NH(28) 527 500	1 1 1 29	3 1 T 14	1 1 T 31	3 2 3 6	4 4 2 14	1 1 T 11	1 0 - -	0 0 - -	14 10 3 6/1
Orrin 259 m NH(28) 403 504	5 1 2 29	7 3 5 15	7 4 8 2	7 3 3 6	4 4 6 14	10 0 - -	5 0 - -	1 0 - -	46 15 8 2/12
Ratagan 4 m NG(18) 919 197	0 0 - -	0 0 - -	0 0 - -	2 2 T 30	1 1 T 1	0 0 - -	0 0 - -	0 0 - -	3 3 T 30/1
Stornoway ⁺ 3 m NB(19) 459 332	0 0 - -	2 0 - -	1 0 - -	2 0 - -	5 1 T 14	2 0 - -	0 0 - -	0 0 - -	12 1 T 14/2
<u>Inverness-shire</u>									
Achnagoichan 305 m NH(28) 913 082	1 1 1 29	3 6 5 13	7 6 8 30	4 8 8 1	* * * *	11 7 10 20	5 0 - -	0 0 - -	* * * *
Auchterawe 30 m NH(28) 355 085	0 0 - -	1 1 1 13	1 1 1 28	2 1 1 31	4 5 2 15	0 0 - -	0 0 - -	0 0 - -	8 8 2 15/2
Benbecula ⁺ 6 m NF(08) 782 555	0 0 - -	4 0 - -	2 0 - -	7 2 4 29	4 0 - -	1 0 - -	1 0 - -	0 0 - -	19 2 4 29/1
Cluanie 213 m NH(28) 192 100	0 0 - -	1 1 3 13	3 3 1 18	4 3 2 30	4 5 4 14	0 0 - -	0 0 - -	0 0 - -	12 12 4 14/2
Dalwhinnie 362 m NN(27) 634 841	1 1 1 26	5 4 10 13	6 6 5 2	9 9 5 31	8 8 20 14	3 3 8 19	0 0 - -	0 0 - -	32 31 20 14/2
Deanie 128 m NH(28) 293 387	* * * *	* * * *	2 2 3 30	2 2 3 6	0 0 - -	1 0 - -	0 0 - -	0 0 - -	* * * *
Fort William 27 m NN(27) 130 751	0 0 - -	2 0 - -	1 0 - -	3 0 - -	5 2 9 16	0 0 - -	0 0 - -	0 0 - -	11 2 9 16/2
Fersit 244 m NN(27) 351 782	0 0 - -	3 4 8 14	5 5 1 3	5 5 5 30	5 6 20 14	1 1 3 26	0 0 - -	0 0 - -	19 21 20 14/2
Glenshero Lodge 269 m NN(27) 562 930	1 1 T 28	6 6 10 12	5 4 3 2	8 4 8 29	9 10 15 14	9 0 - -	1 0 - -	0 0 - -	39 25 15 14/2
Isle of Rhum 5 m NM(17) 402 996	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	1 0 - -	1 0 - -	0 0 - -	2 0 - -
Morar 12 m NM(17) 687 922	0 0 - -	0 0 - -	0 0 - -	1 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	1 0 - -

Table 3 (continued)

District, County & Place with Height & Grid Reference	1970			1971					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Mullardoch 250 m NH(28) 223 310	1 1 1 29	5 5 1 13	3 3 1 3	2 2 1 6	8 8 9 15	0 0 - -	1 1 T 17	0 0 - -	20 20 9 15/2
Prabost 67 m NG(18) 418 502	0 0 - -	1 0 - -	2 2 1 30	3 2 1 30	3 5 2 16	4 0 - -	1 0 - -	1 0 - -	15 9 2 16/2
Broadford 30 m NG(18) 649 228	0 0 - -	1 3 T 13	1 1 T 31	1 0 T 24	1 1 T 14	0 0 - -	1 0 - -	0 0 - -	5 5 T 13/11
Quoich 201 m NH(28) 099 011	0 0 - -	1 1 2 13	4 4 1 28	3 2 1 31	4 5 6 17	0 0 - -	0 0 - -	0 0 - -	12 12 6 17/2
DISTRICT 1 - SCOTLAND E.									
<u>Nairn</u>									
Glenferness 213 m NH(28) 937 430	4 5 T 19	7 9 T 11	10 10 2 31	4 5 4 30	1 7 5 14	9 18 T 1	3 3 T 16	0 0 - -	38 57 5 14/2
<u>Moray</u>									
Glenlatterach 151 m NJ(38) 200 546	0 0 - -	0 0 - -	4 2 1 30	3 2 2 30	1 1 1 14	2 1 3 15	0 0 - -	0 0 - -	10 6 3 15/3
<u>Banffshire</u>									
Drummuir 152 m NJ(38) 372 441	4 0 - -	4 0 - -	7 1 5 31	9 8 4 1	2 4 5 1	7 3 3 19	3 0 - -	0 0 - -	36 16 5 31/12
Rochomie 94 m NJ(38) 441 633	0 0 - -	1 0 - -	2 2 1 29	3 2 3 6	1 2 1 1	3 0 - -	1 0 - -	0 0 - -	11 6 3 6/1
<u>Aberdeenshire</u>									
Derry Lodge 427 m NO(37) 036 932	13 3 5 29	10 9 9 16	18 11 10 31	18 16 10 1	11 11 6 14	16 15 18 20	9 3 1 17	0 0 - -	95 68 18 20/3
Dinnet 177 m NJ(38) 446 025	2 1 5 29	0 0 - -	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *
<u>Kincardineshire</u>									
Strachan 120 m NO(37) 696 917	2 0 - -	0 0 - -	5 5 3 3	2 6 1 1	2 0 - -	4 1 T 19	1 0 - -	0 0 - -	16 12 3 3/12
<u>Angus</u>									
Whitehillocks 258 m NO(37) 448 800	2 1 1 29	3 2 3 16	4 7 1 28	11 8 3 6	4 3 2 28	8 7 5 15	3 0 - -	0 0 - -	35 28 5 15/3

Table 3 (continued)

District, County & Place with Height & Grid Reference	1970			1971					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Perthshire									
Ardnalnaig 130 m NN(27) 702 394	0 0 - -	2 2 5 13	2 0 - -	2 1 5 6	4 2 3 14	3 1 2 1	1 0 - -	0 0 - -	14 6 5 13/11
Ashintully Castle 335 m NO(37) 101 613	2 1 T 20	2 9 10 16	4 5 1 31	11 9 4 6	6 9 5 14	6 7 16 2	1 0 - -	0 0 - -	32 40 16 2/3
Blair Castle 122 m NN(27) 864 658	1 1 T 28	1 2 3 15	2 2 T 27	4 1 1 6	4 3 4 13	2 2 4 1	0 0 - -	2 0 - -	16 11 4 13/2
Brig-o-Turk 84 m NN(27) 536 064	0 0 - -	1 1 1 16	0 0 - -	2 2 10 6	3 3 5 14	1 1 3 2	0 0 - -	0 0 - -	7 7 10 6/1
Couligarton 137 m NN(27) 452 000	0 0 - -	1 1 4 16	0 0 - -	2 3 10 6	4 7 19 14	2 4 6 1	0 0 - -	0 0 - -	9 15 19 14/2
Glengyle 116 m NN(27) 388 133	0 0 - -	0 0 - -	0 0 - -	3 3 11 6	3 6 4 14	1 3 8 2	0 0 - -	0 0 - -	7 12 11 6/1
Loch Vennacher 84 m NN(27) 598 064	0 0 - -	1 1 4 16	0 0 - -	1 1 6 6	3 3 1 14	2 2 3 2	0 0 - -	0 0 - -	7 7 6 6/1
Muthill 119 m NN(27) 840 177	1 0 - -	5 1 3 16	6 2 3 3	4 1 5 6	6 4 3 14	8 3 7 2	1 0 - -	0 0 - -	31 11 7 2/3
Lubreoch 320 m NN(27) 455 418	1 1 T 28	2 6 3 13	5 7 T 6	3 5 5 6	4 12 9 15	4 2 1 1	0 0 - -	0 0 - -	19 33 9 15/2
Rannoch 204 m NN(27) 530 582	1 0 - -	2 4 1 13	0 0 - -	3 3 3 6	7 7 13 14	2 1 T 1	0 0 - -	0 0 - -	15 15 13 14/2
Kinross-shire									
Loch Leven 122 m NT(36) 158 988	0 0 - -	2 1 1 13	* * * *	1 1 1 6	2 1 T 17	3 2 T 1	0 0 - -	0 0 - -	* * * *
Fife									
Leuchars + 11 m NO(37) 468 208	1 0 - -	3 0 - -	5 0 - -	4 1 1 13	4 0 - -	7 0 - -	0 0 - -	0 0 - -	24 1 1 13/1
Midlothian									
Cramond 24 m NT(36) 180 758	0 0 - -	2 0 - -	3 0 - -	1 0 - -	3 0 - -	2 0 - -	0 0 - -	0 0 - -	11 0 - -
Peeblesshire									
Baddinsgill 308 m NT(36) 126 554	0 0 - -	2 2 5 12	5 4 1 24	1 1 1 29	* * * *	7 7 25 19	0 0 - -	0 0 - -	* * * *

Table 3 (continued)

District, County & Place with Height & Grid Reference	1970			1971					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Broughton 226 m NT(36) 123 296	0 0 - -	1 1 T 13	5 5 T 24	1 0 - -	2 2 T 14	3 3 2 1	1 0 - -	0 0 - -	13 11 2 1/3
Portmore 305 m NT(36) 260 507	1 0 - -	2 5 1 12	6 8 3 25	2 9 3 1	5 9 8 14	4 9 20 19	0 0 - -	0 0 - -	20 40 20 19/3
<u>East Lothian</u>									
Hopes 247 m NT(36) 551 622	0 0 - -	4 1 1 15	5 4 4 29	4 0 - -	8 4 3 27	8 4 18 20	3 0 - -	0 0 - -	32 13 18 20/3
Hungry Snout 218 m NT(36) 665 633	1 0 - -	8 1 1 16	10 7 13 31	3 6 10 1	9 6 5 28	10 11 28 20	3 0 - -	0 0 - -	44 31 28 20/3
<u>Roxburghshire</u>									
Newcastleton 213 m NY(35) 504 877	0 0 - -	1 0 - -	2 1 1 30	2 0 - -	5 2 13 27	2 2 1 1	2 0 - -	0 0 - -	14 5 13 27/2
Sourhope 274 m NT(36) 843 203	0 0 - -	4 0 - -	7 6 13 31	3 6 15 1	3 2 1 28	6 2 2 5	0 0 - -	0 0 - -	23 16 15 1/1
DISTRICT 6A - SCOTLAND W.									
<u>Argyll</u>									
Dalness 67 m NN(27) 169 512	0 0 - -	* * * *	0 0 - -	* * * *	* * * *	0 0 - -	0 0 - -	0 0 - -	* * * *
Inverawe 23 m NN(27) 021 317	0 0 - -	2 0 - -	0 0 - -	3 0 - -	4 0 - -	1 1 1 10	0 0 - -	0 0 - -	10 1 1 10/3
Loch Gair 3 m NR(16) 924 907	0 0 - -	1 0 - -	0 0 - -	1 1 T 6	2 2 1 14	1 0 - -	0 0 - -	0 0 - -	5 3 1 14/2
Machrihanish + 10 m NR(16) 663 226	0 0 - -	0 0 - -	1 0 - -	4 0 - -	4 1 1 15	0 0 - -	0 0 - -	0 0 - -	9 1 1 15/2
Rhuvaal 19 m NR(16) 426 792	0 0 - -	0 0 - -	0 0 - -	1 0 - -	1 0 - -	2 0 - -	0 0 - -	0 0 - -	4 0 - -
Tiree + 9 m NL(07) 999 446	1 0 - -	0 0 - -	0 0 - -	1 0 - -	2 0 - -	1 0 - -	0 0 - -	0 0 - -	5 0 - -
<u>Dunbartonshire</u>									
Sloy 229 m NN(27) 293 105	1 0 - -	4 2 1 16	* * * *	* * * *	8 6 5 14	* * * *	* * * *	* * * *	* * * *

Table 3 (continued)

District, County & Place with Height & Grid Reference	1970			1971					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
<u>Stirlingshire</u>									
Loch Arklet 146 m NN(27) 382 099	0 0 - -	3 0 - -	1 0 - -	3 3 13 6	5 6 3 14	3 2 3 2	0 0 - -	0 0 - -	15 11 13 6/1
Stronachlachar 115 m NN(27) 402 103	0 0 - -	2 2 3 16	0 0 - -	3 2 10 6	5 7 4 15	7 6 5 2	0 0 - -	0 0 - -	17 17 10 6/1
<u>Renfrewshire</u>									
South Moorhouse 229 m NS(26) 527 509	0 0 - -	2 2 T 12	1 1 T 26	1 1 T 5	5 5 6 2	2 1 T 20	0 0 - -	0 0 - -	11 10 6 2/2
<u>Lanarkshire</u>									
Lanark 152 m NS(26) 875 434	3 0 - -	2 0 - -	6 6 1 25	2 0 - -	4 2 1 15	6 0 - -	2 0 - -	0 0 - -	25 8 1 25/12
Leadhills 387 m NS(26) 888 153	1 0 - -	4 5 5 13	7 5 8 30	5 7 8 1	8 7 18 14	7 5 15 20	1 0 - -	0 0 - -	33 29 18 14/2
<u>Ayrshire</u>									
Mauchline 172 m NS(26) 494 283	0 0 - -	2 0 - -	2 2 T 25	0 0 - -	3 0 - -	0 0 - -	0 0 - -	0 0 - -	7 2 T 25/12
<u>Dumfriesshire</u>									
Eskdalemuir 242 m NT(36) 235 026	0 0 - -	6 1 2 16	9 4 1 27	8 6 2 2	9 3 9 14	11 5 10 2	3 0 - -	0 0 - -	46 19 10 2/3
<u>Kirkcudbrightshire</u>									
Bargrennan 110 m NX(25) 360 789	0 0 - -	0 0 - -	1 0 - -	1 0 - -	1 0 - -	3 0 - -	0 0 - -	0 0 - -	6 0 - -
Forrest Lodge 152 m NX(25) 555 866	0 0 - -	0 0 - -	0 0 - -	1 1 1 5	1 1 1 28	0 0 - -	0 0 - -	0 0 - -	2 2 1 5/1
DISTRICT 6B - ISLE OF MAN									
Maughold Head 76 m SC(24) 498 914	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -
Port St Mary 7 m SC(24) 209 671	0 0 - -	0 0 - -	1 0 - -	0 0 - -	2 0 - -	1 0 - -	0 0 - -	0 0 - -	4 0 - -
Snaefell 620 m SC(24) 400 921	0 0 - -	1 3 1 19	2 5 8 28	0 0 - -	2 3 5 16	6 13 D 22	* * * *	* * * *	* * * *
DISTRICT 2 - ENGLAND N.E.									
<u>Northumberland</u>									
Burradon 67 m NZ(45) 269 721	0 0 - -	1 0 - -	8 1 5 31	0 4 4 3	2 2 2 28	4 4 3 1	0 0 - -	0 0 - -	15 11 5 31/12

Table 3 (continued)

District, County & Place with Height & Grid Reference	1970			1971					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Catcleugh 253 m NT(36) 749 032	0 0 - -	2 0 - -	6 5 13 31	2 6 11 1	5 5 10 28	7 5 10 2	2 0 - -	0 0 - -	24 21 13 31/12
Gosforth 52 m NZ(45) 253 673	0 0 - -	1 0 - -	9 2 3 31	2 6 3 1	5 1 1 28	5 3 3 2	2 0 - -	0 0 - -	24 12 3 31/12
Newton-by-the-sea 15 m NU(46) 235 255	0 0 - -	0 0 - -	5 0 - -	0 0 - -	2 1 1 28	3 2 3 2	0 0 - -	0 0 - -	10 3 3 2/3
<u>Yorkshire N. Riding</u>									
Moorland Cottage 343 m SD(34) 807 923	0 0 - -	4 4 8 18	6 6 15 28	2 8 13 1	4 7 10 27	4 9 10 1	2 1 1 17	0 0 - -	22 35 15 28/12
Osmotherly 147 m SE(44) 458 968	1 0 - -	2 1 T 16	9 3 8 31	2 5 10 1	5 0 - -	6 3 4 2	0 0 - -	0 0 - -	25 12 10 1/1
<u>Yorkshire E. Riding</u>									
High Mowthorpe 175 m SE(44) 886 688	0 0 - -	2 0 - -	6 9 8 31	0 6 10 1	1 0 - -	5 5 5 2	0 0 - -	0 0 - -	14 20 10 1/1
Riccall 5 m SE(44) 608 373	0 0 - -	0 0 - -	3 4 - -	0 4 T 1	1 1 T 27	2 2 3 1	0 0 - -	0 0 - -	6 11 3 1/3
Sledmere 121 m SE(44) 992 770	0 0 - -	3 0 - -	8 3 10 24	1 6 T 30	5 1 T 17	5 4 1 1	0 0 - -	0 0 - -	22 14 10 24/12
<u>Lincolnshire</u>									
Kirton-in-Lindsey 25 m SK(43) 934 990	0 0 - -	0 0 - -	4 5 8 27	0 0 - -	0 0 - -	1 1 4 2	0 0 - -	0 0 - -	5 6 8 27/12
Manby ⁺ 17 m TF(53) 391 869	0 0 - -	1 0 - -	9 4 6 31	1 6 8 1	3 0 - -	8 2 4 4	0 0 - -	0 0 - -	22 12 8 1/1
Revesby 38 m TF(53) 303 634	0 0 - -	0 0 - -	6 6 6 25	1 1 3 1	3 0 - -	5 2 4 2	0 0 - -	0 0 - -	15 9 6 25/12
Southrey 6 m TF(53) 140 664	0 0 - -	0 0 - -	5 5 6 25	0 0 - -	1 1 1 28	5 2 4 1	0 0 - -	0 0 - -	11 8 6 25/12
DISTRICT 3 - ENGLAND E									
<u>Norfolk</u>									
Coltishall ⁺ 17 m TG(63) 262 229	0 0 - -	1 0 - -	9 4 6 31	1 6 8 1	3 0 - -	8 2 4 4	0 0 - -	0 0 - -	22 12 8 1/1
Marham 23 m TF(53) 726 094	0 0 - -	0 0 - -	9 5 3 31	2 6 1 1	7 0 - -	6 3 1 2	0 0 - -	0 0 - -	24 14 3 31/12

Table 3 (continued)

District, County & Place with Height & Grid Reference	1970			1971					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Suffolk									
Benacre 3 m TM(62) 536 845	0 0 - -	0 0 - -	7 3 8 26	1 6 3 1	2 0 - -	6 3 - -	0 0 - -	0 0 - -	16 12 8 26/12
Melton 9 m TM(62) 582 506	0 0 - -	0 0 - -	7 6 10 26	1 6 3 1	2 1 T 28	5 3 10 6	0 0 - -	0 0 - -	15 16 10 26/12
Southwold 8 m TM(62) 505 765	0 0 - -	0 0 - -	8 6 5 26	1 6 3 1	2 0 - -	6 3 1 6	0 0 - -	0 0 - -	17 15 5 26/12
Wattisham 87 m TM(62) 026 514	0 0 - -	2 0 - -	10 6 7 26	2 6 1 1	3 0 - -	8 4 1 2	0 0 - -	0 0 - -	25 16 7 26/12
Wingfield 49 m TM(62) 235 782	0 0 - -	0 0 - -	5 4 8 26	1 1 3 1	2 1 1 28	5 2 3 2	0 0 - -	0 0 - -	13 8 8 26/12
Cambridgeshire									
Cambridge 24 m TL(52) 434 604	0 0 - -	0 0 - -	4 4 5 26	0 0 - -	0 0 - -	5 3 1 6	0 0 - -	0 0 - -	9 7 5 26/12
Bedfordshire									
Cardington + 28 m TL(52) 081 464	0 0 - -	0 0 - -	8 3 2 26	3 0 - -	4 0 - -	6 1 1 6	0 0 - -	0 0 - -	21 4 2 26/12
Hertfordshire									
Garston 78 m TL(52) 123 017	0 0 - -	0 0 - -	7 6 4 27	1 0 - -	2 0 - -	4 1 1 2	0 0 - -	0 0 - -	14 7 4 27/12
Essex									
Layer-de-la-Haye 44 m TL(52) 965 196	0 0 - -	0 0 - -	7 7 8 25	1 1 - -	2 2 T 1	4 2 4 1	0 0 - -	0 0 - -	14 12 8 25/12
Little Waltham 9 m TL(52) 712 124	0 0 - -	0 0 - -	5 7 8 27	0 4 1 1	1 0 - -	5 2 3 2	0 0 - -	0 0 - -	11 13 8 27/12
Rayleigh 73 m TQ(51) 805 910	0 0 - -	0 0 - -	6 7 11 27	1 6 8 1	1 0 - -	5 3 4 6	0 0 - -	0 0 - -	13 16 11 27/12
Southend 58 m TQ(51) 876 852	0 0 - -	0 0 - -	7 7 15 27	0 6 13 1	1 0 - -	4 3 - -	0 0 - -	0 0 - -	12 16 15 27/12
DISTRICT 4 - MIDLAND COUNTIES									
Yorkshire W. Riding									
Chelker 223 m SE(44) 051 517	0 0 - -	1 0 - -	7 5 5 28	3 6 3 1	6 4 8 28	5 6 5 1	2 0 - -	0 0 - -	24 21 8 28/2
Doncaster 9 m SE(44) 576 040	0 0 - -	0 0 - -	7 3 9 27	0 0 - -	4 0 - -	4 2 T 1	0 0 - -	0 0 - -	15 5 9 27/12
Thornton 363 m SE(44) 051 334	0 0 - -	3 3 T 12	7 7 10 28	1 6 3 1	5 3 3 8	8 9 5 1	0 0 - -	0 0 - -	24 28 10 28/12

Table 3 (continued)

District, County & Place with Height & Grid Reference	1970			1971					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Grenoside 171 m SK(43) 336 935	0 0 - -	1 0 - -	5 3 10 25	0 0 - -	2 1 T 28	3 3 3 1	0 0 - -	0 0 - -	11 7 10 25/12
Hallbroom 320 m SK(43) 267 891	0 0 - -	3 1 1 16	9 7 10 27	3 7 5 1	3 2 8 28	6 4 6 1	0 0 - -	0 0 - -	24 21 10 27/12
Redmires 358 m SK(43) 262 857	0 0 - -	1 1 3 16	6 8 9 26	1 7 5 30	3 4 6 27	5 5 9 2	0 0 - -	0 0 - -	16 25 9 26/12
Strinesdale 241 m SD(34) 955 064	0 0 - -	1 1 1 14	2 7 5 26	1 5 3 1	1 0 - -	1 1 3 5	0 0 - -	0 0 - -	6 14 5 26/12
Ribblehead 312 m SD(34) 766 789	0 0 - -	1 1 1 13	2 7 3 27	* * * *	2 2 4 28	* * * *	0 0 - -	* * * *	* * * *
Slaidburn 192 m SD(34) 717 547	0 0 - -	1 1 T 16	1 2 T 25	0 0 - -	3 3 2 28	2 3 4 2	0 0 - -	0 0 - -	7 9 4 2/3
<u>Derbyshire</u>									
Ambergate 197 m SK(43) 350 526	0 0 - -	0 0 - -	4 2 2 24	0 0 - -	2 2 6 17	3 0 - -	0 0 - -	0 0 - -	9 4 6 17/2
Bamford 155 m SK(43) 202 829	0 0 - -	0 0 - -	2 0 - -	0 0 - -	2 1 6 28	2 0 - -	0 0 - -	0 0 - -	6 1 6 28/2
Littleover 71 m SK(43) 334 339	0 0 - -	1 0 - -	5 5 8 27	4 2 T 1	7 1 1 28	6 4 2 2	1 0 - -	0 0 - -	24 12 8 27/12
Howden 257 m SK(43) 168 924	0 0 - -	1 1 1 16	2 2 11 27	1 0 - -	3 1 6 28	4 4 3 6	0 0 - -	0 0 - -	11 8 11 27/12
<u>Leicestershire</u>									
Countesthorpe 91 m SP(42) 591 969	0 0 - -	0 0 - -	4 4 3 27	1 0 - -	2 1 1 28	5 1 3 2	0 0 - -	0 0 - -	12 6 3 27/12
Market Harborough 91 m SP(42) 733 878	0 0 - -	0 0 - -	3 4 4 27	2 1 1 6	5 1 1 28	4 2 1 1	0 0 - -	0 0 - -	14 8 4 27/12
Stanford 112 m SP(42) 596 804	0 0 - -	0 0 - -	3 3 1 24	1 0 - -	2 2 1 28	2 1 1 1	0 0 - -	0 0 - -	8 6 1 24/12
<u>Staffordshire</u>									
Hednesford 235 m SK(43) 123 017	0 0 - -	0 0 - -	2 1 5 25	1 0 - -	2 0 - -	1 2 4 1	0 0 - -	0 0 - -	6 3 5 25/12
West Bromwich 140 m SP(42) 017 934	0 0 - -	0 0 - -	5 3 1 24	1 0 - -	4 2 4 16	6 3 3 5	0 0 - -	0 0 - -	16 8 4 16/2
<u>Shropshire</u>									
Shawbury + 72 m SJ(33) 553 222	0 0 - -	0 0 - -	8 3 6 27	5 1 1 6	5 1 4 17	4 0 - -	0 0 - -	0 0 - -	22 5 6 27/12

Table 3 (continued)

District, County & Place with Height & Grid Reference	1970			1971					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Worcestershire									
Martley 61 m SO(32) 743 599	0 0 - -	0 0 - -	5 3 3 27	3 1 3 6	2 2 3 17	3 1 3 2	0 0 - -	0 0 - -	13 7 3 27/12
Herefordshire									
Longtown 172 m SO(32) 322 291	0 0 - -	0 0 - -	1 2 5 26	3 1 1 6	3 4 1 15	2 0 - -	0 0 - -	0 0 - -	9 7 5 26/12
Northamptonshire									
Etton 8 m TF(53) 143 048	0 0 - -	0 0 - -	4 4 4 26	1 0 - -	3 0 - -	3 2 1 5	0 0 - -	0 0 - -	11 6 4 26/12
Buckinghamshire									
Little Chalfont 129 m SU(41) 989 968	0 0 - -	0 0 - -	7 7 10 30	3 6 7 1	4 0 - -	7 1 6 2	1 0 - -	0 0 - -	22 14 10 30/12
Gloucestershire									
Filton ⁺ 59 m ST(31) 598 802	0 0 - -	0 0 - -	7 3 1 26	4 0 - -	3 0 - -	4 0 - -	1 1 6 26	0 0 - -	19 4 6 26/4
Baunton 121 m SP(42) 022 047	0 0 - -	0 0 - -	4 2 1 25	2 1 1 6	3 0 - -	3 1 2 1	1 0 - -	0 0 - -	13 4 2 1/3
Little Rissington ⁺ 226 m SP(42) 205 191	0 0 - -	0 0 - -	10 5 6 30	4 7 5 1	6 2 1 17	8 2 3 2	1 1 1 26	0 0 - -	29 17 6 30/12
DISTRICT 5 - ENGLAND S.E.									
Greater London									
Charlton Park 46 m TQ(51) 433 745	0 0 - -	0 0 - -	5 7 8 27	0 6 2 1	0 0 - -	0 0 - -	1 0 - -	0 0 - -	6 13 8 27/12
East Barnet 81 m TQ(51) 262 968	0 0 - -	0 0 - -	9 6 4 25	3 0 - -	2 0 - -	5 1 3 2	0 0 - -	0 0 - -	19 7 4 25/12
Eastcote 53 m TQ(51) 110 881	0 0 - -	0 0 - -	5 4 8 27	0 0 - -	0 0 - -	3 1 3 2	0 0 - -	0 0 - -	8 5 8 27/12
Twickenham 13 m TQ(51) 158 718	0 0 - -	0 0 - -	6 5 10 27	0 0 - -	3 0 - -	7 0 - -	1 0 - -	0 0 - -	17 5 10 27/12
Kent									
Biddenden 52 m TQ(51) 850 362	0 0 - -	0 0 - -	8 8 19 26	6 6 13 1	0 0 - -	0 0 - -	1 1 1 26	0 0 - -	15 15 19 26/12

Table 3 (continued)

District, County & Place with Height & Grid Reference	1970			1971					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Lyminge 183 m TR(61) 138 405	0 0 - -	0 0 - -	7 7 15 25	0 0 - -	2 0 - -	8 6 8 4	1 0 - -	0 0 - -	18 13 15 25/12
Manston ⁺ 44 m TR(61) 335 666	0 0 - -	1 0 - -	8 7 9 26	3 6 3 1	5 1 1 28	8 4 2 6	1 0 - -	0 0 - -	26 18 9 26/12
Penshurst Place 37 m TQ(51) 528 440	0 0 - -	0 0 - -	9 7 9 26	1 6 2 1	1 0 - -	3 2 3 6	1 0 - -	0 0 - -	15 15 9 26/12
<u>Surrey</u>									
Camberley 66 m SU(41) 867 600	0 0 - -	0 0 - -	6 8 10 27	2 6 6 1	2 0 - -	6 1 T 6	1 1 1 26	0 0 - -	17 16 10 27/12
<u>Sussex</u>									
Thorney Island ⁺ 3 m SU(41) 758 026	0 0 - -	0 0 - -	6 5 4 27	4 0 - -	2 0 - -	6 0 - -	0 0 - -	0 0 - -	18 5 4 27/12
Washington 52 m TQ(51) 118 135	0 0 - -	1 0 - -	6 9 5 27	2 6 3 1	2 0 - -	7 2 T 4	1 0 - -	0 0 - -	19 17 5 27/12
<u>Wiltshire</u>									
Boscombe Down ⁺ 126 m SU(41) 172 403	0 0 - -	0 0 - -	7 5 8 30	5 6 5 2	6 1 1 28	8 2 T 2	1 0 - -	0 0 - -	27 14 8 30/12
DISTRICT 7A - ENGLAND N.W.									
<u>Cumberland</u>									
Alston 274 m NY(35) 717 470	1 0 - -	5 0 - -	9 5 11 31	1 6 10 1	9 3 1 15	7 1 1 5	2 0 - -	0 0 - -	34 15 11 31/12
Dale Head 189 m NY(35) 312 175	0 0 - -	0 0 - -	2 2 1 8	1 1 T 5	4 4 1 18	3 3 3 2	0 0 - -	0 0 - -	10 10 3 2/3
Ennerdale 116 m NY(35) 085 153	0 0 - -	0 0 - -	4 1 T 31	2 0 - -	4 0 - -	3 1 3 17	0 0 - -	0 0 - -	13 2 3 17/3
Geltsdale 244 m NY(35) 575 537	1 0 - -	5 0 - -	9 6 4 26	7 3 T 1	9 6 1 15	9 2 T 1	0 0 - -	0 0 - -	40 17 4 26/12
Lanthwaite 44 m SD(34) 166 851	0 0 - -	0 0 - -	1 0 - -	4 1 1 6	4 0 - -	5 2 5 2	0 0 - -	0 0 - -	14 3 5 2/3
<u>Westmorland</u>									
Haweswater 213 m NY(35) 503 159	0 0 - -	3 1 T 17	4 4 4 28	0 0 - -	4 4 1 17	2 2 1 5	0 0 - -	0 0 - -	13 11 4 28/12

Table 3 (continued)

District, County & Place with Height & Grid Reference	1970			1971					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Langdales 119 m NY(35) 315 058	0 0 - -	4 0 - -	5 0 - -	3 1 1 6	9 3 6 18	6 3 5 2	0 0 - -	0 0 - -	27 7 6 18/2
Lancashire									
Squires Gate + 10 m SD(34) 316 347	0 0 - -	1 0 - -	5 0 - -	3 0 - -	4 1 T 16	2 1 T 5	0 0 - -	0 0 - -	15 2 T 16/2
Belmont 247 m SD(34) 692 142	0 0 - -	2 1 1 15	6 7 3 26	2 5 1 1	8 0 - -	5 7 8 1	0 0 - -	0 0 - -	23 20 8 1/3
Bacup 411 m SD(34) 847 198	0 0 - -	2 2 T 13	7 7 9 27	2 7 9 1	7 4 3 17	9 9 4 1	1 0 - -	0 0 - -	28 29 9 27/12
High Nibthwaite 54 m SD(34) 294 898	0 0 - -	2 0 - -	4 0 - -	3 1 1 6	4 1 1 16	3 5 3 2	0 0 - -	0 0 - -	16 7 3 2/3
Cheshire									
Northwich 14 m SJ(33) 656 728	0 0 - -	0 0 - -	5 3 2 24	2 1 1 6	0 0 - -	0 0 - -	0 0 - -	0 0 - -	7 4 2 24/12
Ringway + 76 m SJ(33) 818 850	0 0 - -	1 0 - -	7 2 3 27	3 1 T 2	8 0 - -	5 1 1 5	0 0 - -	0 0 - -	24 4 3 27/12
DISTRICT 7B - NORTH WALES									
Flintshire									
Mount Pleasant 159 m SJ(33) 257 661	0 0 - -	* * * *	4 3 1 25	4 4 3 31	2 2 4 17	2 2 T 5	0 0 - -	0 0 - -	* * * *
Denbighshire									
Alwen 366 m SH(23) 956 528	0 0 - -	1 0 - -	8 3 1 25	4 8 11 31	3 9 9 1	2 2 T 1	1 0 - -	0 0 - -	19 22 11 31/1
Bwlch Tunnel 374 m SJ(33) 164 580	0 0 - -	0 0 - -	6 6 5 26	4 6 8 30	2 2 8 16	2 2 8 16	0 0 - -	0 0 - -	14 16 8 30/1
Cae Llwyd 305 m SJ(33) 269 482	0 0 - -	0 0 - -	1 1 5 27	1 1 1 30	2 2 15 15	1 1 1 5	0 0 - -	0 0 - -	5 5 15 15/2
Clawdd Newydd 304 m SJ(33) 078 521	0 0 - -	1 0 - -	7 7 1 24	4 8 10 31	5 3 10 1	6 2 1 17	1 0 - -	0 0 - -	24 20 10 31/1
Caernarvonshire									
Bryn Gwynant 95 m SH(23) 642 513	0 0 - -	0 0 - -	6 1 1 27	3 1 1 1	3 2 9 16	7 1 1 5	0 0 - -	0 0 - -	19 5 9 16/2

Table 3 (continued)

District, County & Place with Height & Grid Reference	1970			1971					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Capel Curig 198 m SH(23) 717 577	0 0 - -	0 0 - -	2 2 1 24	1 1 1 30	2 3 3 16	1 1 1 16	0 0 - -	0 0 - -	6 7 3 16/2
<u>Anglesey</u>									
Valley ⁺ 10 m SH(23) 310 758	0 0 - -	0 0 - -	5 0 - -	1 0 - -	2 0 - -	1 0 - -	0 0 - -	0 0 - -	9 0 - -
<u>Merioneth</u>									
Dolgellau 27 m SH(23) 732 177	0 0 - -	0 0 - -	7 4 3 27	3 1 T 1	2 1 1 16	1 0 - -	0 0 - -	0 0 - -	13 6 3 27/12
DISTRICT 8A - SOUTH WALES									
<u>Cardiganshire</u>									
Aberporth 133 m SN(22) 242 521	0 0 - -	0 0 - -	5 0 - -	3 0 - -	2 0 - -	2 0 - -	0 0 - -	0 0 - -	12 0 - -
Trawscoed 41 m SN(22) 670 729	0 0 - -	0 0 - -	1 1 5 28	0 0 - -	1 1 5 16	0 0 - -	0 0 - -	0 0 - -	2 2 5 28/12
<u>Radnorshire</u>									
Evancoyd 227 m SO(32) 261 630	0 0 - -	1 0 - -	4 6 11 27	4 4 4 5	2 2 6 17	1 2 5 2	0 0 - -	0 0 - -	12 14 11 27/12
Llandrindod Wells 235 m SO(32) 062 606	0 0 - -	0 0 - -	7 5 10 27	3 0 - -	3 3 3 16	3 1 T 1	1 0 - -	0 0 - -	17 9 10 27/12
<u>Brecknockshire</u>									
Llangynidr 430 m SO(32) 155 139	0 0 - -	1 1 4 22	6 5 6 26	3 9 23 31	4 7 11 15	3 3 14 1	1 1 13 26	0 0 - -	18 26 23 31/1
Tairbull 210 m SN(22) 978 262	0 0 - -	2 0 - -	3 3 5 26	2 0 - -	3 0 - -	2 0 - -	1 0 - -	0 0 - -	13 3 5 26/12
<u>Glamorgan</u>									
Maesteg 180 m SS(21) 847 914	0 0 - -	0 0 - -	4 1 1 27	1 1 T 5	2 1 T 16	2 1 T 12	0 0 - -	0 0 - -	9 4 1 27/12
Merthyr Tydfil 235 m SO(32) 048 071	0 0 - -	2 1 T 22	5 5 5 27	4 2 T 6	4 5 6 16	5 1 T 2	1 1 T 26	0 0 - -	21 15 6 16/2
Swansea 23 m SS(21) 655 925	0 0 - -	0 0 - -	4 1 T 27	1 0 - -	2 0 - -	2 0 - -	0 0 - -	0 0 - -	9 1 T 27/12
DISTRICT 8B - ENGLAND S.W.									
<u>Somerset</u>									
Bath 116 m ST(31) 751 638	0 0 - -	0 0 - -	7 6 4 30	* * * *	* * * *	0 0 - -	1 1 1 26	0 0 - -	* * * *
Hawkrige 314 m SS(21) 877 327	0 0 - -	2 0 - -	6 6 13 30	4 8 15 31	5 6 15 1	7 2 T 1	2 0 - -	0 0 - -	26 22 15 31/1

Table 3 (continued)

District, County & Place with Height & Grid Reference	1970			1971					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Street 6 m ST(31) 481 373	0 0 - -	0 0 - -	3 3 1 26	0 0 - -	0 0 - -	0 0 - -	0 0 - -	0 0 - -	3 3 1 26/12
<u>Dorset</u>									
Dorchester 69 m SY(30) 693 899	0 0 - -	0 0 - -	6 7 6 30	3 7 3 1	1 0 - -	4 0 - -	0 0 - -	0 0 - -	14 14 6 30/12
<u>Devon</u>									
Chagford 381 m SX(20) 661 866	1 1 T 20	1 0 - -	5 6 25 31	2 8 10 1	3 5 13 1	3 4 3 15	0 0 - -	0 0 - -	15 24 25 31/12
Burrator 225 m SX(20) 553 680	1 0 - -	1 0 - -	4 5 10 27	2 7 10 1	2 5 3 15	0 0 - -	0 0 - -	0 0 - -	10 17 10 27/12
Challacombe 259 m SS(21) 692 411	0 0 - -	0 0 - -	6 5 13 27	5 7 5 30	5 1 3 15	6 0 - -	0 0 - -	0 0 - -	22 13 13 27/12
Chivenor 6 m SS(21) 494 347	0 0 - -	0 0 - -	6 2 14 27	2 0 - -	1 0 - -	4 0 - -	0 0 - -	0 0 - -	13 2 14 27/12
Exeter + 32 m SY(30) 001 933	0 0 - -	0 0 - -	5 2 1 27	0 0 - -	4 0 - -	6 0 - -	0 0 - -	0 0 - -	15 2 1 27/12
North Hessary Tor 427 m SX(20) 585 735	2 0 - -	4 0 - -	7 4 15 30	9 2 8 31	7 2 1 15	5 1 3 15	0 0 - -	2 0 - -	36 9 15 30/12
Plymouth 61 m SX(20) 465 573	0 0 - -	1 0 - -	6 3 8 27	4 0 - -	1 0 - -	2 0 - -	0 0 - -	0 0 - -	14 3 8 27/12
Yalland 268 m SX(20) 690 628	1 0 - -	2 0 - -	7 8 9 30	3 5 7 1	5 0 - -	6 2 T 6	0 0 - -	0 0 - -	24 15 9 30/12
<u>Cornwall</u>									
Liskeard 140 m SX(20) 257 643	0 0 - -	0 0 - -	2 4 1 26	0 0 - -	1 1 3 15	0 0 - -	0 0 - -	0 0 - -	3 5 3 15/2
St Mawgan 103 m SW(10) 871 642	0 0 - -	0 0 - -	4 0 - -	1 0 - -	2 0 - -	2 0 - -	0 0 - -	0 0 - -	9 0 - -

Table 4

Number of days with snow seen lying in the mountains
 (a) near the summit, (b) at about 760 metres, and
 (c) at station level

Station and Peak	level	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
Ross & Cromarty	a	11	26	25	19	14	22	9	3	129
Peak:Sgurr Mor (1108m)	b	9	20	22	19	12	21	9	1	113
Stn:Glackour (24m)	c	0	2	0	2	2	0	0	0	6
Aberdeenshire	a	18	30	31	26	28	31	30	23	217
Peak:Ben Macdui (1310m)	b	9	21	24	22	25	28	11	1	141
Stn:Derry Lodge (427m)	c	3	9	11	16	11	15	3	0	68
Inverness-shire	a	20	29	31	27	28	31	30	7	203
Peak:Creag Meagaidh (1128m)	b	7	15	18	19	20	18	8	2	107
Stn:Fersit (244m)	c	0	4	5	5	6	1	0	0	21
Stirlingshire	a	6	14	18	15	16	23	8	1	101
Peak:Ben Vane (916m)	b	4	11	16	15	14	17	2	1	80
Stn:Loch Arklet (146m)	c	0	0	0	3	6	2	0	0	11
Argyll	a	0	5	0	5	2	1	0	0	13
Peak:Ben More (Mull) (966m)	b	0	5	0	5	2	1	0	0	13
Stn:Rhuvaal (19m)	c	0	0	0	0	0	0	0	0	0
Kirkcudbrightshire	a	1	9	7	16	14	31	6	0	84
Peak:Merrick (845m)	b	1	9	7	16	14	30	6	0	83
Stn:Bargrennan (110m)	c	0	0	0	0	0	0	0	0	0
Northumberland	a	0	4	7	9	10	11	1	0	42
Peak:The Cheviot (816m)	b	0	4	7	9	10	11	1	0	42
Stn:Newton-by-the-Sea (15m)	c	0	0	0	0	1	2	0	0	3
Cumberland	a	1	14	17	30	27	31	20	0	140
Peak:Cross Fell (893m)	b	1	14	7	21	27	21	0	0	91
Stn:Alston (274m)	c	0	0	5	6	3	1	0	0	15
Cumberland	a	0	11	11	13	11	12	1	0	59
Peak:Helvellyn (950m)	b	0	9	9	11	8	10	0	0	47
Stn:Dale Head (189m)	c	0	0	2	1	4	3	0	0	10
Caernarvonshire	a	6	9	8	14	28	31	19	0	115
Peak:Snowdon (1085m)	b	4	4	8	11	21	15	3	0	66
Stn:Capel Curig (198m)	c	0	0	2	1	3	1	0	0	7
Merioneth	a	2	6	7	9	10	19	1	1	55
Peak:Cader Idris (892m)	b	2	6	7	9	10	19	1	1	55
Stn:Dolgellau (27m)	c	0	0	4	1	1	0	0	0	6
Brecknockshire	a	1	10	9	14	28	30	5	4	101
Peak:Brecon Beacons (886m)	b	1	10	9	14	28	30	5	4	101
Stn:Tairbull (201m)	c	0	0	3	0	0	0	0	0	3

NB See Figure II for days when mountains were obscured