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# METEOROLOGICAL OFFICE

London Road, Bracknell, Berkshire.



## SNOW SURVEY of GREAT BRITAIN 1969/70

Climatological Services (Met.O.3)  
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# SNOW SURVEY of GREAT BRITAIN 1969/70

Most of the material from which this report is compiled has been obtained from daily records of snowfall and snow cover provided by a network of observers in Great Britain. These observers send reports to the Meteorological Office each month throughout the snow season which is taken to begin in October and end the following May. A few observers in the north provide reports throughout the year and these data are presented as brief notes on stations.

Observers report days on which snow occurred at the station, days with snow lying at station level and the total depth of undrifted snow at station level. Measurements of snow depth are made once daily at about 0900 hours. Observers also send, where possible, notes on snow cover on the surrounding hills or mountains at various heights (usually about 150 m) from the level of the station. These notes are sent down to the station level. Snow cover, in this report, means the area which is at least half covered with snow.

As an aid to writing the report, the Meteorological Office has had the network of stations augmented by data from the Snow Survey network have been received by the Meteorological Office. This information is included in this report but data for these stations are not included in the Monthly Weather Report. However, in order to provide a complete picture of the snow survey, data for 19 of these stations are included in this report. These stations are distinguished by a plus sign (+) and their names are given in the list of stations at the end of the report. It should be noted that a number of stations are not included in the list of stations at the end of the report as they are not included in the Meteorological Office's list of stations. These stations are not included in the list of stations at the end of the report as they are not included in the Meteorological Office's list of stations.

This report follows the same pattern as that for the 1968/69 season and the arrangement of the report is as follows:

## The Figures

Figure 1 shows the extent of snow cover and also the climatological data (temperature, wind, etc.) for the stations in the Monthly Weather Report (referred to as 'stations' in this report). The variation of the duration of snow cover and the amount of snow cover are also shown.

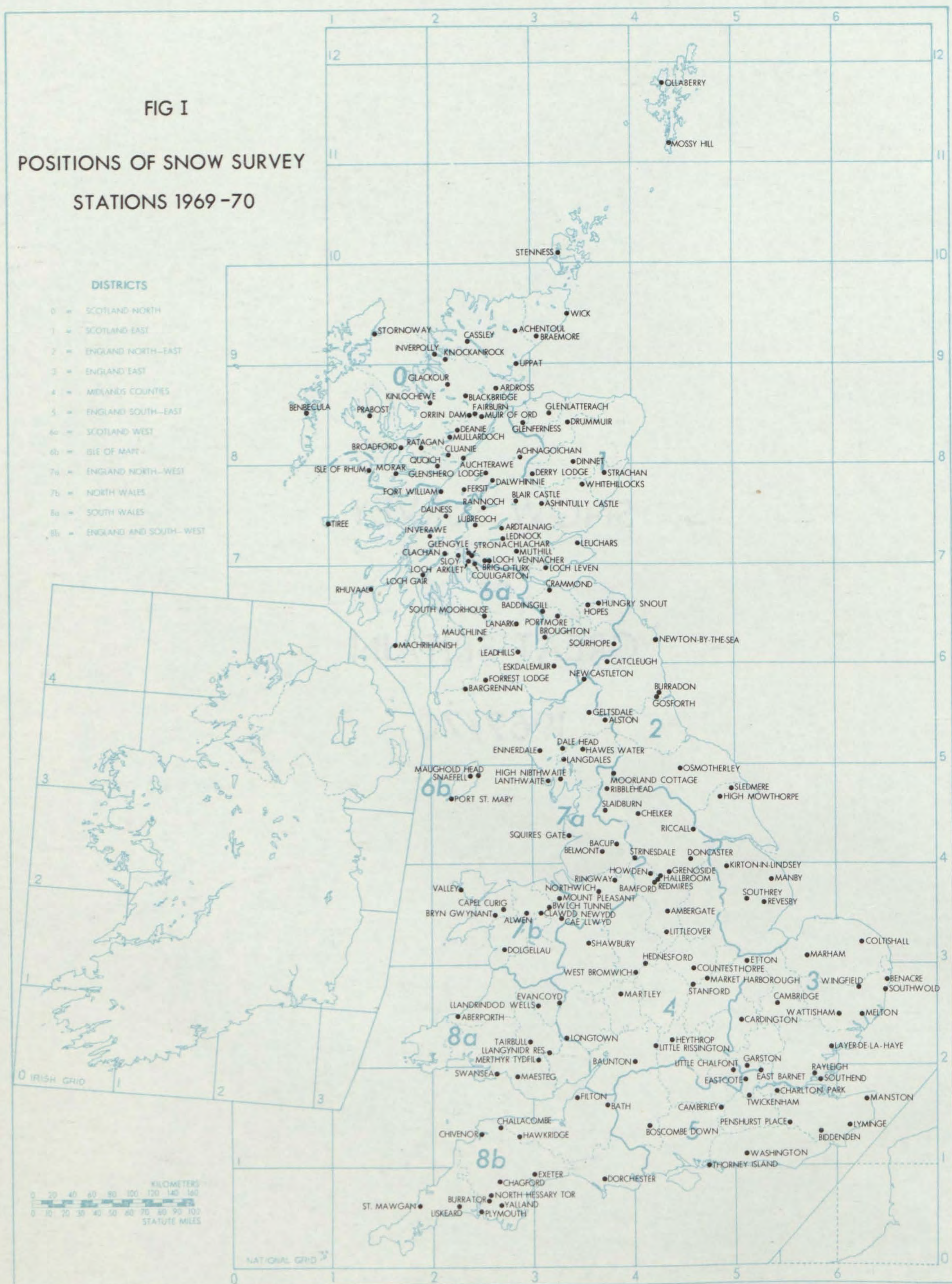
## The Text

The text is divided into two parts. The first part gives a brief account of the snow season giving an indication of the temperature, the amount of snow falling, the amount of snow cover, etc. The second part gives a more detailed account of the snow cover and the amount of snow cover.

The text is supplemented by the subsequent Tables 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.



### POSITIONS OF SNOW SURVEY STATIONS 1969-70





## INTRODUCTION

Most of the material from which this report is compiled has been obtained from daily records of snowfall and snow cover provided by a network of observers in Great Britain. These observers send reports to the Meteorological Office each month throughout the snow season which is taken to begin in October and end the following May. A few observers in the north provide reports throughout the year and these data are presented as brief notes in the text.

Observers report days on which snow occurred at the station, days with snow lying at station level and the total depth of undrifted snow at station level. Measurements of snow depth are made once daily at about 0900 GMT. Observers also send, where possible, notes on snow cover on the surrounding hills or mountains at various heights (at intervals of about 150 m) from the peaks downwards even if the 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.

As an aid in writing the text, reports from the Snow Survey network have been augmented by data extracted from monthly climatological returns received by the Meteorological Office. Lack of space precludes their inclusion in this report but data for these stations are published in the Monthly Weather Report. However, in order to improve the network used in this survey, data for 19 of these stations are included in Table 4 (stations are distinguished by a plus-sign) and their positions are shown in Figure 1. Use has also been made of this Climatological network to provide data for Tables 1, 2 and 3. It should be noted that a number of stations report in both the Snow Survey and Climatological networks. Without the ready co-operation of all those responsible for voluntary observations this report could not have been prepared in such detail and thanks are due to all those concerned.

### Arrangement of the Report

This report follows the same pattern as that for the 1968/69 season and the arrangement is described below.

#### The Figures

Figure I shows the network of stations and also the climatological districts (identical with those used in the Monthly Weather Report) referred to in Tables 1A and 1B. Figure II illustrates the variation of the duration and extent of snow cover with height observed from named stations.

#### The Text

The bulk of the text consists of notes on each month of the snow season giving an indication of the temperature during the month, frequency of snow falling and snow lying and a brief mention of any noteworthy snowfalls. It should be remembered that such short descriptions are necessarily in very general terms.

The text is supplemented by the subsequent Tables 1A, 1B and 2-5 of which an account now follows.



## The Tables

Tables 1A and 1B give temperature and rainfall data respectively for the snow season according to climatological districts and "national" groupings.

Table 2 provides a comparison of snow seasons from 1946/47 to 1969/70. The table has been compiled from data published in the Monthly Weather Report. A few values in this table include estimates for missing data ; in the majority of cases data for one month only have been estimated. Dashes indicate no data available. In the section Braemar/Balmoral the figures up to and including the 1958/59 season refer to the former station and subsequent figures refer to the latter station. The details of stations in this table which do not figure in Table 4 are as follows :

STATION	HEIGHT (m)		NGR	
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 (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

Table 3 gives daily depths of snow in centimetres at a selection of stations. The entry T indicates that the depth of snow was less than 0.5 cm ; the entry D means that no measurement was possible due to excessive drifting. Details for stations not included in Tables 2 or 4 are as follows :

STATION	HEIGHT (m)		NGR	
Grantown-on-Spey (Moray)	229	NJ(38)	039	285
Achany (Sutherland)	85	NC(29)	569	018

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

1. Number of days with snow falling at the station
  2. Number of days with snow lying at the station
  3. A measurement of the maximum depth of undrifted snow lying at the station
- and 4. The first date during the month when the maximum snow depth was attained.

These values are printed in a set pattern as in the following example :

10	6
5	8



This means that snow fell 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 that this depth was first measured on the 8th. Entries consisting of asterisks (\*) indicate either that the data were missing entirely or were incomplete and T means that the depth of snow was less than 0.5 cm.

Table 5 lists the monthly and "seasonal" number of days of snow lying at three selected levels observed from a selection of stations whose data are fully plotted in Figure II.

## SNOW SURVEY OF GREAT BRITAIN

OCTOBER 1969 - MAY 1970

### Number of Days with Snow Falling during the Season

Broadly speaking snow fell on the Cairngorm peaks on about 140 days and at 300 m in these mountains on about 100 days. In Scotland, generally, snow occurred above 200 m on about 60 days with local increases to about 80 days. At lower levels in some western areas of Scotland snow fell on only 20-30 days. Farther south, snow occurred on 60-70 days on the highest ground in northern and eastern England, North Wales and Dartmoor. The frequency in most other parts of England and Wales was 20-30 days but up to 45 days in hilly areas in East Anglia and the Midlands.

### Number of Days with Snow Lying during the Season

Snow lay in the Cairngorms at 700 m on about 200 days and the peaks of Ben Macdui, 1310 m, were snow-covered on 218 days. Taking a wide view of the snow season, snow lay at 700 m in many parts of the Scottish Highlands on 150 days with local increases to about 180 days while in south Scotland, north England and North Wales the ground at this level was snow-covered on about 80 days but on 120 days in a few areas. At lower levels snow lay at 200 m on up to 60 days in the Scottish mountains and on about 40 days farther south. Nearer sea level the frequency of snow cover varied from 30-40 days in much of Scotland (but 70 days locally in the north) to 20-30 days in most of England and Wales. However, some coastal areas in south-west Scotland, Wales and south and west England had snow lying on only about 10 days or so during the season.

### Notes on the Individual Months

Some notes on observations made during the summer of 1969 in the mountains of Scotland and northern England are given as a prelude to general remarks on the snow season proper, October 1969 to May 1970.

June 1969

On the 4th the observers at Achnagoichan (Inverness-shire) and Derry Lodge (Aberdeenshire) reported that fresh snow cover had appeared above about 760 metres (m). In the vicinity of Derry Lodge extensive snow cover persisted above 1200 m until the 22nd and large areas of snow remained above 900 m throughout the month. Smaller areas of snow were reported at Derry Lodge down to 450 m until mid-month. Near Alston (Cumberland) snow lay in deep corries on the east face of Cross Fell, height 893 m, until the 17th and the observer stated that this was the latest date snow had been known to lie there.



## July 1969

Near Derry Lodge and Achnagoichan, snow persisted throughout the month in east-facing corries above 900 m.

## August 1969

From Derry Lodge, more areas of snow than usual for the time of year were seen lying at the highest levels in east-facing corries but had mostly melted by the 20th. Sleet (rain or drizzle and snow) occurred in the Cairngorms above 900 m during the last week.

## September 1969

Very little lying snow was in evidence until late in the month. Sleet occurred near Derry Lodge above 900 m on the 8th. Snow fell on the mountain peaks in Scotland and northern England during the last four days and settled at altitudes above about 600 m. On the 30th snow showers occurred as low as 300 m near Fort William (Inverness-shire) but snow did not accumulate on the ground.

## October 1969

It was an unusually warm month with monthly mean temperature ranging from 1 degC above average in north Scotland to over 3 degC above average in other areas.

On the 1st/2nd sleet occurred in the Shetland Islands and on high ground in the extreme north of Scotland. The light snow cover above 600 m observed in Scotland and northern England at the end of September disappeared during the first few days. The month was then free of snow until light falls occurred on the 28th/29th in the northern counties of Scotland and settled briefly above 600 m. Snow was reported at Huddersfield Oakes (West Riding of Yorkshire), 235 m, on the 31st.

## November 1969

In general the month was colder than average although it was warm everywhere for the first 3 days and mild in the south at the end of the third week. It was very cold in Scotland.

The frequency of snowfall was above average. Snow fell in southern England earlier than usual and sleet occurred in Devon as early as the 15th. Snow fell on 25 days at Derry Lodge and on 18-22 days in the Shetland Islands, on the peaks of the Cairngorms and on the highest ground in the North West Highlands. Snow fell on 14-18 days in the Scottish mountains generally and also in the Hebrides, the Cheviot Hills and the North Pennine Moors. Snow occurred on about 10 days on high ground in the Peak District, on high ground in North Wales and on the highest parts of Dartmoor. On lower ground the frequency ranged from 4-8 days in most of Scotland, northern and eastern England and the Midlands to 1-3 days elsewhere.

Snow covered the Cairngorms and peaks in the North West Highlands for most of the month. Snow covered the ground on 15-20 days in many parts of the Scottish mountains above about 200 m and in southern Scotland and northern England above 350 m. In North Wales snow covered the highest ground on 8 days and snow lay high on Dartmoor on 6 days. At lower levels the frequency of snow cover ranged from 6-10 days in parts of east Scotland, north-east England and the Pennines to 1-4 days in other areas.



On the 9th/10th, 16 cm of snowfall occurred at Mullardoch, 205 m, in the North West Highlands and 10 cm were lying in the Borders on the same day. During the period 15th to 17th, heavy snow occurred in North Wales and the northern half of England and large amounts of snow accumulated at levels above 300 m, although on the 16th, 20 cm of snow collected in 4 hours as low as Ashover (Derbyshire), 186 m, causing some damage. In general snow depths were 15-25 cm but at Moorhouse (Westmorland), 556 m, 40 cm of level snow were measured on the 16th. During the same period heavy snow occurred in Scotland and there were 25 cm of snow lying at Achentoul, 137 m, in the North West Highlands, on the 16th. During the last week heavy snow fell in the north; a fresh snow depth of 18 cm occurred at Derry Lodge, 427 m, in the Cairngorms on the 24th/25th and fresh accumulations of 10 cm were common. Northerly winds brought about 4 cm of snowfall to eastern England on the 29th but 10-15 cm were lying in parts of East Anglia on the 30th.

December 1969

Most areas were 1-2 degC colder than average but mean temperature was near average in the north-west and south-west.

Snow fell on 17 days at Derry Lodge and on 10-15 days in the Shetland Islands. Snow occurred on about 12 days in the Lincolnshire wolds and in parts of East Anglia, and on about 10 days in parts of the Scottish mountains above 200 m. This latter frequency occurred also on the moors in northern England, in the mountains in North Wales, on high ground in the Midlands and on the downs in southern England. Snow fell on 5-8 days in the Orkney Islands, east Scotland and many places in England and Wales away from the south and west coast.

Most peaks in central and northern Scotland were snow covered throughout the month and snow lay at levels down to 450 m on 30 days around Ben Macdui in the Cairngorms. Snow persisted all month on Cross Fell (920 m) and in other parts of the North Pennine Moors above 750 m but, in general, snow covered the ground at this altitude on 20-25 days in the Scottish Highlands and on 10-15 days in southern Scotland and northern England. Snow lay in the Brecon Beacons above 600 m on 19 days and on the peaks in Snowdonia on 11 days. At lower levels, snow lay on the ground on 10 days in north Yorkshire and parts of Norfolk and on 5-10 days in hilly areas elsewhere. The Western Isles and Cornwall were virtually free of lying snow.

Snow showers occurred widely in Scotland during the first week. Snow lying in eastern districts as a result of the late November snowfalls had barely melted by the 3rd when snow showers brought fresh falls; 10-15 cm of snow were lying by the 6th in areas as far south as Suffolk. Snow fell in most areas from the 17th to 19th with blizzards in places. Deep drifts were reported in North Wales, northern England and southern Scotland where they reached a depth of 2 m in the Southern Uplands by the 19th. By the 20th depths of level snow of over 30 cm were measured in the Grampians. During the last few days about 10 cm of snow accumulated above 400 m in South Wales.

January 1970

It was colder than average everywhere during the first week, in the north around mid-month and in most areas on the last few days. At other times it was often very mild.



In some parts of the Cairngorms snow occurred on 30 days during the month at levels above 750 m and on about 15 days at 400 m. However, in general snow fell on 6-8 days at about 200 m in Scotland, North Wales and the northern half of England but with increases locally to about 12 days. At lower altitudes, and in the remainder of England and Wales, the frequency of snowfall was about 2-5 days.

Snow lay on the peaks of the North West Highlands and Grampians throughout the month and snow cover persisted all month down to 450 m in a few of these areas but, in general, snow lay at this level on 10-15 days. Snow was observed lying on the highest ground in northern England and southern Scotland on 14-18 days and on the peaks in North Wales on 11 days. Nearer sea level, snow lay on 5-8 days in the north, on 2-5 days in the south and on less than 3 days in most coastal areas.

Snowfall was frequent in Scotland during the first week and occurred also in northern England. Heavy falls with drifting occurred, particularly in the Scottish mountains above 200 m and by the 7th or 8th depths of 30 cm were reported in the North West Highlands above 250 m. Although farther south amounts of snow were much less, 30 cm were measured on Snaefell (Isle of Man), 620 m. On the 8th snow fell in most districts but a rapid thaw soon followed and during the next week or so much of the lying snow gradually melted except on the highest ground. From the 16th to 18th there were heavy snowfalls on high ground in Scotland and northern England with much drifting; the eastern Grampians were most affected and on the 16th/17th falls of 15 cm occurred above 150 m and at Whitehillocks (Angus), 258 m, more than 30 cm was reported to have fallen overnight.

#### February 1970

It was generally a cold month particularly from the 10th to 17th when frost was severe. Milder interludes occurred during the first few days and around the 21st.

In general, snow occurred on about twice the average number of days for February. Snow fell on 26 days at Derry Lodge and at Hungry Snout, 218 m, in the Lammermuir Hills. Above 250 m, snow occurred on over 25 days in the Cairngorms generally, and in a number of other places in the Scottish mountains. Snow fell on 15-20 days on the higher ground in the Pennines and North Wales but, in general, snow was reported on about 15 days in upland areas of northern and central England and on Dartmoor. Elsewhere, and at lower levels, the frequency ranged from 10-15 days in north Scotland to 8-12 days farther south except in some south and west areas where the frequency was less.

Snow cover during the month was at its most extensive from the 11th to 20th and snow lay at sea level on 16 days of the month in some areas in north Scotland. Snow cover persisted throughout the month on the peaks of the Scottish Highlands and on the highest ground in southern Scotland and northern England. In some parts of Scotland, snow lay at 450 m throughout the month and as low as 150 m for a great deal of the month but, in general, snow covered the ground above 450 m on about 25 days in Scotland and northern England and on about 20 days in Wales. Away from the very high ground, snow cover persisted on 6-10 days with local increases to 12 days in hilly and moorland areas. However, near south and west coasts snow did not lie for any length of time.



Much of the snow during the month fell in showers which were sometimes frequent and prolonged in Scotland and northern England where there were heavy falls at times on high ground with much drifting. Accumulations of snow became very deep and, by about the 17th, depths of level snow in the Scottish Highlands had reached around 30 cm above 150 m but exceeded 40 cm locally, for example 46 cm at Cassley (Sutherland), 94 m. By the same time depths reached 15-20 cm in northern England above 100 m and in Wales above 200 m. On the 12th blizzards occurred in the southern half of England and Wales resulting in about 8 cm of snowfall but 15-20 cm settled above 250 m in South Wales and south-west England with snowdrifts 2 m deep on the moors. Snow fell in most areas on the 17th/18th with depths of 20 cm occurring on high ground in the north.

#### March 1970

Most of the first fortnight was cold and, after a milder interlude, cold weather returned in the last week.

Snow occurred on over twice the average number of days for March and fell on nearly three times the average in some central and western areas. Snow fell on about 24 days on the peaks in the Cairngorms and about 15 days above 200 m in Scotland generally. Snow fell also on about 15 days above 200 m in parts of the England/Scotland borders, on the highest peaks of the Pennines, in northern and central Wales and on Dartmoor. The frequency elsewhere ranged from 8-12 days in Scotland away from the coasts and on higher hills farther south to 3-6 days in areas along the south coast.

At altitudes above 600 m in the Scottish mountains snow cover was deep and extensive during the whole month and persisted all month as low as 300 m in parts of the Grampians. Snow lay also throughout the month in areas in southern Scotland above 600 m but in general at this altitude snow covered the ground on 15-20 days. Peaks in northern England were snow covered all month and snow persisted as low as 450 m in some places. Snow covered the Welsh mountains above 600 m for most of the month and snow lay on Dartmoor on 18 days. Snow persisted for 10 days or so above 200 m in hilly areas affected by heavy snowfall on the 3rd/4th. Otherwise, at low levels snow lay on the ground on 4-7 days except on south and west coasts, in the Forth/Clyde Valley and along Tayside where it was less persistent.

Wintry showers or periods of snow occurred in most areas during the first fortnight and on the last 5 days. Blizzards were widespread on the 3rd/4th in Wales and much of England which caused damage to installations and disruption to communications. Snow depths of 10-15 cm occurred widely but accumulations of level snow exceeded 30 cm on high ground in North Wales and the Midlands and also in a few hilly areas in the south-east. Heavy snow showers fell in Snowdonia during the first few days and at Bwlch Tunnel (Denbighshire), 274 m, the depth of level snow reached 54 cm on the 7th. During the last week heavy snow showers occurred locally in Scotland and snowdrifts were reported in the north-east.

#### April 1970

The first two weeks were cold with widespread frost and, after a period when temperatures fluctuated above and below average, cold weather returned on the 26th especially to Scotland.



Snow occurred on between three and five times the average number of days for April but amounts were mostly slight and snow did not persist for long on low ground. Due to the showery nature of the wintry precipitation, frequencies of snow or sleet were erratic. Broadly speaking, snow fell on 15-20 days on the peaks in the Cairngorms and also in a few places in the other Scottish mountains, sometimes as low as 250 m. However, snow at 250 m mostly occurred on 10-15 days or less in Scotland and northern England while elsewhere in Scotland and in England and Wales, snow was reported falling on 4-8 days. The frequency increased somewhat in elevated areas in England and Wales and it decreased near western coasts and on low ground sheltered from northerly winds.

Snow lay throughout the month on most peaks above 900 m in Scotland and on about 25 days at 750 m in many parts of the Highlands. Snow cover persisted all month as low as 450 m in a few isolated areas in Scotland but more widely in the Cairngorms. However, in general at 450 m snow lay on varying numbers of days; the frequency ranged from a few days only in some areas to over 20 days in other districts. Snow was seen lying all month on a few peaks in northern England and also on Snowdon. At lower levels snow did not lie to any extent and below 200 m the average duration was 1-4 days in the north and 1 or 2 days in the south. In many coastal areas and in much of England any snow cover was very short-lived.

Wintry showers occurred in most districts at times during the first 10 days and fell in places in the north on the last few days. Amounts of snow were mostly small although drifting caused some difficulties on high ground.

May 1970

Mean temperature in most parts of the country was 1-2 degC above average and the only snowfall during the month, around the 21st, was confined to mountain peaks in north Scotland. Snow lay throughout the month on high ground in parts of the North West Highlands and Grampians but, in general, had largely disappeared by the 10th except in some corries. By the end of the month only patches of snow remained in most mountain areas.

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



Table 1A  
Mean District Temperatures and Differences  
from Average

District	1969			1970					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
<u>Mean Temperature in °C</u>									
0. Scotland N.	10.7	3.2	4.0	3.6	1.6	3.2	5.1	9.3	5.1
1. Scotland E.	11.9	3.6	3.2	2.9	2.0	3.8	5.7	10.6	5.5
2. England NE.	12.4	4.6	3.1	3.0	2.4	3.6	6.2	11.5	5.9
3. England E.	13.3	6.0	3.2	3.5	3.1	3.4	6.7	12.8	6.5
4. Midlands	12.8	5.4	3.4	3.7	3.0	3.7	6.9	13.2	6.5
5. England SE.	13.4	6.3	3.5	4.6	4.0	4.2	7.0	13.0	7.0
6. Scotland W.	12.0	3.8	3.5	3.3	2.0	3.8	5.7	10.9	6.3
7. England NW. and Wales N.	12.9	5.1	3.4	3.8	2.9	3.9	6.3	12.5	6.3
8. England SW. and Wales S.	13.5	6.7	4.6	5.2	4.3	4.9	7.4	12.7	7.4
SCOTLAND	11.5	3.5	3.6	3.3	1.9	3.6	5.5	10.3	5.4
ENGLAND & WALES	13.1	5.7	3.5	4.0	3.3	3.9	6.7	12.6	6.6
<u>Difference from 1931-60 average</u>									
0. Scotland N.	+1.6	-3.3	-0.9	-0.1	-2.2	-1.9	-1.6	+0.5	-1.0
1. Scotland E.	+2.7	-2.4	-1.0	0.0	-1.4	-1.3	-1.5	+0.8	-0.5
2. England NE.	+2.4	-2.0	-1.5	-0.4	-1.2	-2.0	-1.7	+1.0	-0.7
3. England E.	+2.7	-1.0	-1.5	0.0	-0.7	-2.4	-1.8	+1.4	-0.4
4. Midlands	+2.7	-1.3	-1.2	+0.2	-0.8	-2.2	-1.6	+1.7	-0.3
5. England SE.	+2.5	-0.9	-1.5	+0.6	-0.2	-2.0	-1.8	+1.3	-0.3
6. Scotland W.	+2.7	-2.5	-1.2	-0.1	-1.7	-1.5	-1.7	+0.6	-0.7
7. England NW. and Wales N.	+2.9	-1.8	-1.5	+0.1	-0.9	-1.9	-1.7	+1.6	-0.4
8. England SW. and Wales S.	+2.1	-1.1	-1.3	+0.4	-0.5	-1.9	-1.6	+1.1	-0.3
SCOTLAND	+2.3	-2.7	-1.0	-0.1	-1.8	-1.6	-1.6	+0.6	-0.7
ENGLAND & WALES	+2.5	-1.3	-1.4	+0.1	-0.7	-2.1	-1.7	+1.3	-0.4

Data extracted from the Monthly Weather Report



Table 1B  
Mean District Rainfall and Percentages  
of Average

District	1969			1970					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
<u>Precipitation in mm</u>									
0. Scotland N.	127	128	100	73	112	98	77	43	758
1. Scotland E.	31	73	49	82	64	34	39	35	407
2. England NE.	12	124	67	77	51	41	67	14	453
3. England E.	7	79	55	56	52	42	60	20	371
4. Midlands	8	82	58	90	62	53	67	19	439
5. England SE.	4	118	67	93	52	48	61	25	468
6. Scotland W.	99	143	121	111	106	54	88	48	770
7. England NW. and Wales N.	25	173	86	76	86	64	97	14	621
8. England SW. and Wales S.	29	143	90	153	113	55	68	39	690
SCOTLAND	119	170	110	118	139	91	95	75	917
ENGLAND & WALES	18	143	89	106	82	64	85	26	613
<u>Percentage of 1916-50 average</u>									
0. Scotland N.	98	117	85	61	144	141	113	81	105
1. Scotland E.	42	118	84	125	146	82	96	61	94
2. England NE.	20	188	113	129	113	105	151	27	106
3. England E.	12	129	110	101	137	113	135	46	98
4. Midlands	13	116	96	131	125	124	136	35	97
5. England SE.	5	148	95	130	103	109	122	55	96
6. Scotland W.	70	115	95	80	117	71	119	63	91
7. England NW. and Wales N.	22	198	102	84	133	120	185	25	109
8. England SW. and Wales S.	13	135	86	141	144	83	110	59	96
SCOTLAND	75	119	77	77	131	102	107	87	97
ENGLAND & WALES	19	149	102	116	125	113	142	42	101

Data extracted from the Monthly Weather Report



Table 2

Number of Days with Snow or Sleet falling  
and Snow Lying during each Snow Season

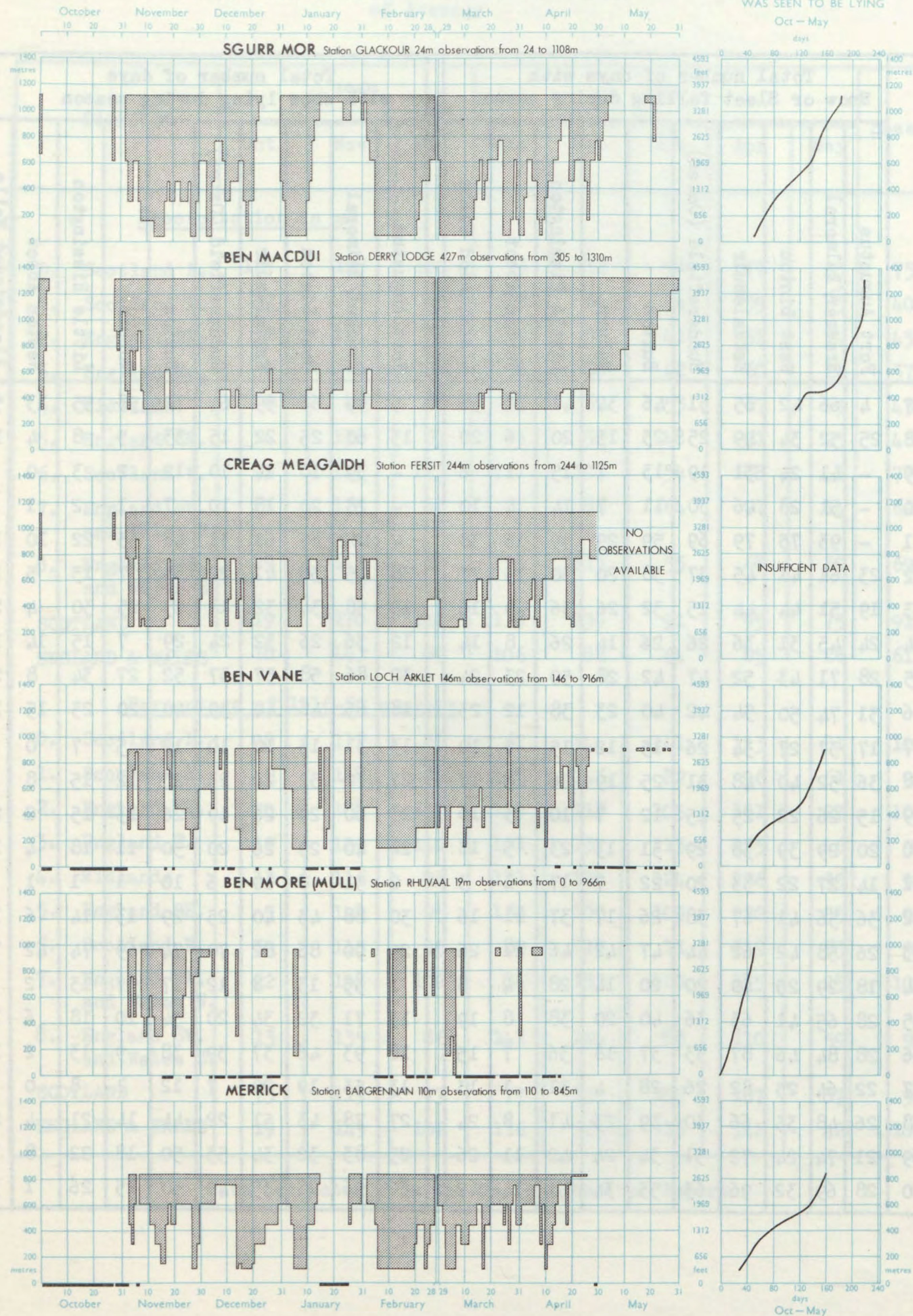
Season	Total number of days with Snow or Sleet falling during season										Total number of days with snow lying during season									
	Fort Augustus	Braemar/Balmoral	West Linton	Eskdalemuir	Huddersfield (Oakes)	Buxton	Woburn	Little Rissington	Newton Abbot	Llandrindod Wells	Fort Augustus	Braemar/Balmoral	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	13	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	69	59	29	39	16	38	-	102	65	61	31	48	3	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	15	8	9
1958/59	15	26	22	25	15	12	7	10	3	10	23	60	29	26	19	26	13	15	2	20
1959/60	20	29	39	38	29	31	13	23	5	18	22	40	29	26	20	30	11	18	4	18
1960/61	14	27	22	33	20	22	7	17	1	3	2	31	8	10	6	10	1	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	25	40	20	20	14	28	4	8	1	35	13	8	12	17	7	13	2	7
1964/65	28	65	41	63	36	40	20	38	8	19	13	71	32	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	12	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	72	51	34	24	42	11	26	25	83	32	34	53	50	18	22	8	17
1969/70	28	69	32	96	63	53	34	51	14	42	36	96	25	35	40	50	25	26	1	32



# FIG II DISTRIBUTION OF SNOW COVER 1969-70

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





# FIG II (cont.) DISTRIBUTION OF SNOW COVER 1969-70

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

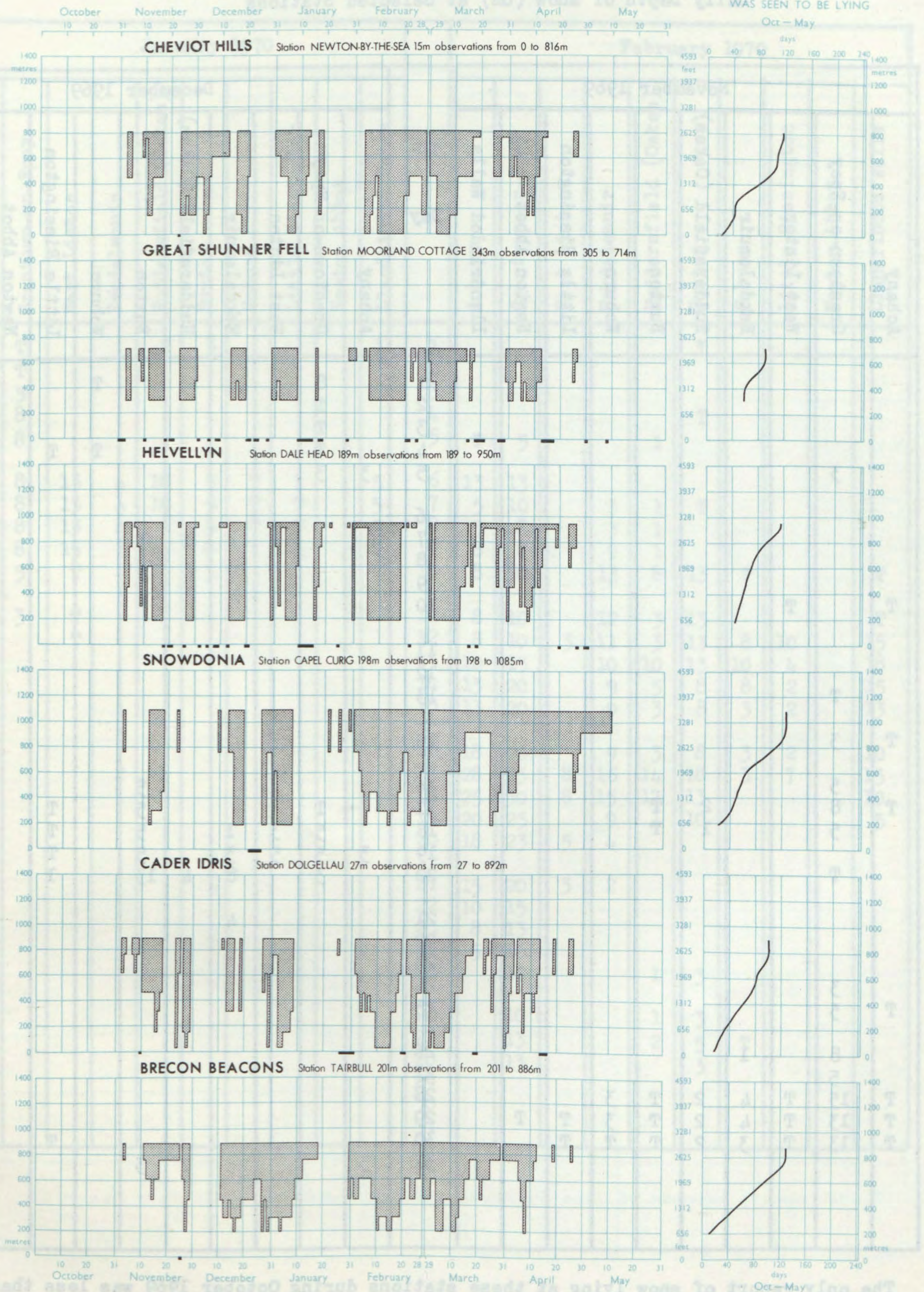




Table 3

Daily Depth of snow (cm) at Selected Stations

November 1969									Day	December 1969										
Achany	Grantown-on-Spey	West Linton	Eskdalemuir	Huddersfield (Oakes)	Buxton	Woburn	Little Rissington	Newton Abbot		Llandrindod Wells	Achany	Grantown-on-Spey	West Linton	Eskdalemuir	Huddersfield (Oakes)	Buxton	Woburn	Little Rissington	Newton Abbot	Llandrindod Wells
										1										
										2										
										3										
	3									4										
										5	3									
										6										
										7					1	3				
										8										
										9										
T		T								10										
										11										
										12										
										13										
T	T									14										
	3									15										
										16										
	5									17										
T	8			2	T					18										
	5			1	T					19	3			1	5					
										20		3		3	5					
	T									21				8	13					
										22										
										23				4						
										24										
T	3									25										
	5									26										
	8		1							27										
	5									28										
T	15	T	4	2	T	3				29										
T	13	T	4	2	T	3	T			30										
T	13	T	3	2	T	T				31	3				2	3		T		T
																				3

The only report of snow lying at these stations during October 1969 was less than 0.5 cm at Huddersfield (Oakes) on the 31st.







Table 3 (continued)

March 1970									Day	April 1970								
Achany	Grantown-on-Spey	West Linton	Eskdalemuir	Huddersfield (Oakes)	Buxton	Woburn	Little Rissington	Newton Abbot		Achany	Grantown-on-Spey	West Linton	Eskdalemuir	Huddersfield (Oakes)	Buxton	Woburn	Little Rissington	Newton Abbot
10	T				3				1						T		1	
13	5					3			2									
13	5								3									
13	8	3		12	13	15	10		4									
18	13			7	15	20	9		5									
23	23	3		5	15	18	7		6									
23	23			8	15	18	8		7									
10	18	13	T	5	23	15	6		8									
10	15	5	T	11	23	13	5		9						3			
8	15	T		3	18	10	5		10					2	3			
8	15		4		13	8			11									
8	13	5	3		8				12									
5	10				8				13									
	8				5				14									
	T								15									
									16									
									17									
									18									
									19									
									20									
									21									
									22									
									23									
									24									
									25									
3	3								26									
5	3								27									
3	3								28									
	3								29									
	T								30									
	3			1					31									

There were no reports of snow lying at any of these stations during May 1970

The only report of snow lying at these stations during October 1970 was less than 0.5 in at Huddersfield (Oakes) on the 31st.



Table 4

No. of days with snow falling, snow lying and maximum depth (cm)  
with date, during the month/season

District, County & Place with Height & Grid Reference	1969			1970					Season	
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May		
DISTRICT O - SCOTLAND N.										
<u>Shetland</u>										
Mossy Hill 229 m HU(41) 396 203	1 0 - -	11 12 4 24	6 7 5 2	4 5 20 6	12 19 25 18	10 13 10 4	5 4 1 28	0 0 - -	49 60 25 18/2	
Ollaberry 226 m HU(41) 333 836	2 1 T 1	18 18 8 28	11 11 8 4	10 12 20 7	18 23 23 17	16 23 10 27	15 16 8 1	1 0 - -	91 104 23 17/2	
<u>Orkney</u>										
Stenness 23 m HY(30) 298 112	1 0 - -	11 4 5 29	4 2 5 4	6 7 15 6	8 12 18 18	11 11 18 6	8 1 3 1	0 0 - -	49 37 18 18/2	
<u>Caithness</u>										
Braemore 152 m ND(39) 076 297	1 0 - -	16 11 9 17	9 7 10 5	8 14 15 6	19 24 30 19	20 21 24 7	19 10 5 1	2 0 - -	94 87 30 19/2	
Wick <sup>+</sup> 36 m ND(39) 364 522	0 0 - -	14 3 3 29	8 3 1 3	10 7 1 2	17 16 22 16	14 10 6 6	9 1 2 1	0 0 - -	72 40 22 16/2	
<u>Sutherland</u>										
Achentoul 137 m NC(29) 873 354	0 0 - -	20 13 25 16	6 4 10 5	5 8 15 5	9 19 20 15	13 21 13 6	8 9 5 1	0 0 - -	61 74 25 16/11	
Cassley 99 m NC(29) 396 232	2 0 - -	19 3 8 29	6 4 8 5	8 11 11 5	14 20 46 17	14 10 25 7	11 8 3 2	1 0 - -	75 56 46 17/2	
Uppat 67 m NC(29) 870 025	0 0 - -	5 5 4 28	4 4 5 5	5 5 4 4	8 8 10 13	13 13 4 1	1 1 T 9	0 0 - -	36 36 10 13/2	
<u>Ross and Cromarty</u>										
Blackbridge 213 m NH(28) 374 710	2 0 - -	16 16 13 29	7 7 6 5	* * * *	12 19 28 17	18 19 23 7	19 13 10 1	0 0 - -	* * * *	
Fairburn 152 m NH(28) 455 528	0 0 - -	5 5 5 28	4 5 1 17	3 12 10 4	8 18 13 18	9 13 13 4	12 3 T 1	0 0 - -	41 56 13 18/2	
Glackour 24 m NH(28) 191 820	0 0 - -	8 6 6 29	4 3 8 4	5 8 25 5	13 16 21 15	17 15 18 4	7 3 3 1	0 0 - -	54 51 25 5/1	
Ardross 183 m NH(28) 653 746	0 0 - -	5 5 4 29	3 3 1 19	9 9 3 4	17 17 18 18	13 15 6 4	* * * *	* * * *	* * * *	
Inverpolly 14 m NC(29) 074 134	0 0 - -	9 6 5 29	2 3 5 4	5 9 10 6	11 13 10 16	14 10 15 7	1 1 3 1	0 0 - -	42 42 15 7/3	
Kinlochewe 23 m NH(28) 024 630	0 0 - -	6 5 8 29	5 4 8 4	* * * *	12 16 23 17	12 15 28 5	3 3 3 1	0 0 - -	* * * *	



Table 4 (continued)

District, County & Place with Height & Grid Reference	1969			1970					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Knockanrock 244 m NC(29) 187 088	0 0 - -	15 13 20 29	9 5 3 4	8 10 28 7	16 19 38 17	* * * *	12 6 10 9	0 0 - -	* * * *
Muir of Ord 46 m NH(28) 527 500	0 0 - -	* * * *	3 3 T 4	4 11 6 4	8 13 13 18	11 10 8 4	3 1 1 10	0 0 - -	* * * *
Orrin 259 m NH(28) 403 504	0 0 - -	13 10 20 25	4 5 4 19	4 6 15 6	10 13 10 6	* * * *	* * * *	* * * *	* * * *
Ratagan 4 m NG(18) 919 197	0 0 - -	7 8 3 28	3 3 T 29	2 5 18 5	15 14 15 9	11 10 8 2	* * * *	0 0 - -	* * * *
Stornoway <sup>+</sup> 3 m NB(19) 459 332	0 0 - -	14 2 2 29	4 0 - -	5 6 8 6	13 7 4 17	15 5 7 5	7 0 - -	0 0 - -	58 20 8 6/1
<b>Inverness-shire</b>									
Achnagoichan 305 m NH(28) 913 082	0 0 - -	20 17 13 29	10 9 5 18	11 11 4 6	16 21 18 14	23 24 10 6	17 19 15 2	0 0 - -	97 101 18 14/2
Auchterawe 30 m NH(28) 355 085	0 0 - -	3 3 9 28	2 1 1 19	6 9 14 4	9 15 16 18	12 10 8 3	2 1 T 21	0 0 - -	34 39 16 18/2
Benbecula <sup>+</sup> 6 m NF(08) 782 555	0 0 - -	14 3 1 17	5 0 - -	5 5 15 6	9 6 2 16	17 6 4 5	4 0 - -	0 0 - -	54 20 15 6/1
Cluanie 213 m NH(28) 192 100	0 0 - -	7 15 9 28	2 1 2 19	5 9 12 4	6 17 27 18	12 11 8 3	2 1 T 21	0 0 - -	34 54 27 18/2
Dalwhinnie 362 m NN(27) 634 841	0 0 - -	14 16 9 26	10 10 6 19	9 12 11 8	18 25 18 18	19 21 8 5	18 14 9 2	0 0 - -	88 98 18 18/2
Deanie 128 m NH(28) 293 387	* * * *	* * * *	5 3 3 5	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *
Fort William 27 m NN(27) 130 751	0 0 - -	4 4 1 28	1 1 1 5	3 8 8 4	4 5 1 18	3 3 1 4	0 0 - -	0 0 - -	15 21 8 4/1
Fersit 244 m NN(27) 351 782	0 0 - -	14 19 8 5	4 5 5 18	3 6 10 4	7 15 18 8	11 12 5 2	13 2 3 8	0 0 - -	52 59 18 8/2
Glenshero Lodge 269 m NN(27) 562 930	1 0 - -	14 15 6 12	4 4 5 18	6 10 15 3	19 17 30 17	13 18 13 3	14 6 3 5	0 0 - -	71 70 30 17/2
Isle of Rhum 5 m NM(17) 402 996	0 0 - -	2 2 3 28	0 0 - -	2 6 T 3	9 15 25 17	8 3 T 2	1 1 3 1	0 0 - -	22 27 25 17/2
Morar 12 m NM(17) 687 922	0 0 - -	2 3 6 29	1 1 2 5	2 5 6 6	8 9 9 17	11 5 8 7	1 1 1 1	0 0 - -	25 24 9 17/2



Table 4 (continued)

District, County & Place with Height & Grid Reference	1969			1970					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Mullardoch 250 m NH(28) 223 310	0 0 - -	9 15 24 19	4 6 3 5	3 12 30 4	10 24 30 18	9 17 28 4	5 0 T 1	0 0 - -	40 74 30 4/1
Prabost 67 m NG(18) 418 502	0 0 - -	8 8 3 17	5 3 1 4	6 8 4 6	13 15 9 14	15 9 5 5	12 0 T 1	0 0 - -	59 43 9 14/2
Broadford 30 m NG(18) 649 228	0 0 - -	13 4 T 9	1 0 - -	4 8 8 5	11 14 15 17	12 7 8 5	1 1 T 1	0 0 - -	42 34 15 17/2
Quoich 201 m NH(28) 099 011	0 0 - -	6 8 9 28	2 1 4 19	5 9 12 4	10 18 30 17	11 8 11 3	2 1 T 21	0 0 - -	36 45 30 17/2
DISTRICT 1 - SCOTLAND E.									
<u>Nairn</u>									
Glenferness 213 m NH(28) 937 430	0 0 - -	15 19 13 27	11 13 8 1	7 13 8 4	21 27 25 17	18 29 35 7	15 15 3 1	0 0 - -	87 116 35 7/3
<u>Moray</u>									
Glenlatterach 151 m NJ(38) 200 546	0 0 - -	8 5 10 29	3 4 3 4	6 10 9 3	14 19 20 16	9 9 10 7	* * * *	0 0 - -	* * * *
<u>Banffshire</u>									
Drummuir 152 m NJ(38) 372 441	0 0 - -	11 9 9 29	10 7 10 4	11 12 15 4	18 24 39 20	13 18 41 7	14 3 8 1	0 0 - -	77 73 41 7/3
<u>Aberdeenshire</u>									
Derry Lodge 427 m NO(37) 036 932	5 1 3 2	25 20 20 25	17 23 35 21	15 18 8 17	26 25 35 18	24 25 35 12	19 19 51 10	2 0 - -	133 130 51 10/4
Dinnet 177 m NJ(38) 446 025	0 0 - -	10 7 10 29	6 6 8 18	6 10 18 17	13 18 15 14	8 10 3 2	8 3 8 8	0 0 - -	51 54 18 17/1
<u>Kincardineshire</u>									
Strachan 120 m NO(37) 696 917	0 0 - -	8 10 13 29	5 8 20 1	5 5 15 17	12 19 18 14	8 13 9 6	8 6 5 1	0 0 - -	46 61 18 14/2
<u>Angus</u>									
Whitehillocks 258 m NO(37) 448 800	1 1 1 2	6 10 5 14	7 12 23 20	7 11 38 17	13 18 15 18	12 11 3 4	9 5 5 7	0 0 - -	55 68 38 17/1
<u>Perthshire</u>									
Ardtalnaig 130 m NN(27) 702 394	0 0 - -	5 3 3 10	5 4 8 19	7 4 T 6	8 13 16 18	8 1 3 4	7 1 1 11	0 0 - -	40 26 16 18/2
Ashintully Castle 335m NO(37) 101 613	0 0 - -	4 15 5 10	5 19 33 20	5 18 25 18	7 20 20 19	4 10 4 11	7 4 8 7	0 0 - -	32 86 33 20/12



Table 4 (continued)

District, County & Place with Height & Grid Reference	1969			1970					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Blair Castle 122 m NN(27) 864 658	0 0 - -	* * * *	5 7 16 19	4 7 2 5	5 4 20 17	1 4 2 10	6 2 T 1	0 0 - -	* * * *
Brig-o-Turk 84 m NN(27) 536 064	0 0 - -	4 7 4 28	3 5 15 10	3 5 8 6	8 16 15 17	2 2 4 4	0 0 - -	0 0 - -	20 35 15 10/12
Couligarton 137 m NN(27) 452 000	0 0 - -	0 0 - -	3 6 15 20	3 8 15 6	7 17 18 17	2 2 3 4	0 0 - -	0 0 - -	15 33 18 17/2
Glengyle 116 m NN(27) 388 133	0 0 - -	4 4 0 0	5 11 30 20	6 9 11 5	8 7 11 17	8 5 4 4	1 0 T 8	0 0 - -	32 36 30 20/12
Lednock 353 m NN(27) 728 289	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *
Loch Vennacher 84 m NN(27) 598 064	0 0 - -	1 1 1 28	3 7 10 20	2 7 9 6	5 15 12 17	2 2 5 4	0 0 - -	0 0 - -	13 32 12 17/2
Muthill 119 m NN(27) 840 177	0 0 - -	15 3 7 28	8 6 15 20	7 8 20 18	16 12 10 18	18 3 1 4	15 0 T 1	0 0 - -	79 32 20 18/1
Lubreoch 320 m NN(27) 455 418	0 0 - -	3 14 15 10	* * * *	1 14 9 5	* * * *	* * * *	* * * *	* * * *	* * * *
Rannoch 204 m NN(27) 530 582	0 0 - -	12 16 3 11	5 3 3 19	4 6 5 6	10 15 21 18	13 9 3 4	9 3 1 11	0 0 - -	53 52 21 18/2
<u>Kinross-shire</u>									
Loch Leven 122 m NT(36) 158 988	0 0 - -	2 4 3 27	* * * *	* * * *	8 8 8 17	5 2 T 9	* * * *	0 0 - -	* * * *
<u>Fife</u>									
Leuchars <sup>+</sup> 11 m NO(37) 468 208	0 0 - -	8 0 - -	7 2 3 20	10 3 1 6	13 4 4 18	12 0 - -	7 0 - -	0 0 - -	57 9 4 18/2
<u>Midlothian</u>									
Cramond 24 m NT(36) 180 758	0 0 - -	8 3 5 28	6 2 3 28	7 6 8 6	4 8 6 17	10 3 T 2	7 1 1 10	0 0 - -	42 23 8 6/1
<u>Peeblesshire</u>									
Baddinsgill 308 m NT(36) 126 554	0 0 - -	5 5 10 27	4 3 8 19	6 6 15 5	9 9 15 16	10 10 10 7	4 4 5 8	0 0 - -	38 37 15 5/1
Broughton 226 m NT(36) 123 296	0 0 - -	5 7 4 28	1 3 1 18	3 6 2 6	6 15 4 17	11 5 1 8	5 2 T 1	0 0 - -	31 38 4 28/11
Portmore 305 m NT(36) 260 507	0 0 - -	10 7 15 26	2 5 3 19	3 14 10 5	6 20 5 20	9 14 8 8	5 8 1 8	0 0 - -	35 68 15 26/11



Table 4 (continued)

District, County & Place with Height & Grid Reference	1969			1970					Season	
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May		
<u>East Lothian</u>										
Hopes 247 m NT(36) 551 622	0 0 - -	13 10 15 27	5 2 8 17	6 9 24 5	13 7 8 19	15 6 10 8	10 3 3 7	0 0 - -	62 37 24 5/1	
Hungry Snout 218 m NT(36) 665 633	0 0 - -	12 10 13 28	8 5 15 20	12 14 13 6	26 14 20 20	17 10 10 8	13 6 4 8	0 0 - -	88 55 20 20/2	
<u>Roxburghshire</u>										
Newcastleton 213 m NY(35) 504 877	0 0 - -	5 5 5 26	3 3 13 19	2 2 8 6	5 5 13 17	4 1 4 7	3 2 1 8	0 0 - -	22 18 13 19/12	
Sourhope 274 m NT(36) 843 203	0 0 - -	5 13 18 28	6 9 5 1	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *	
DISTRICT 6A - SCOTLAND										
<u>Argyll</u>										
Clachan NN(27) 194 132	0 0 - -	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *	
Dalness 67 m NN(27) 169 512	0 0 - -	* * * *	7 2 5 19	13 6 8 6	* * * *	* * * *	14 0 - -	1 0 - -	* * * *	
Inverawe 23 m NN(27) 021 317	0 0 - -	3 0 - -	2 2 1 5	3 6 10 6	6 6 3 17	8 1 1 4	2 0 - -	0 0 - -	24 15 10 6/1	
Loch Gair 3 m NR(16) 924 907	0 0 - -	5 2 T 28	2 1 T 5	2 6 4 5	5 5 8 17	6 2 5 3	2 2 T 19	0 0 - -	22 18 8 17/2	
Machrihanish <sup>+</sup> 10 m NR(16) 663 226	0 0 - -	8 1 * *	6 1 2 18	5 1 1 5	12 5 7 15	7 0 - -	4 0 - -	0 0 - -	42 8 * *	
Rhuvaal 19 m NR(16) 426 792	0 0 - -	0 0 - -	0 0 - -	2 0 - -	1 1 T 17	1 1 T 7	0 0 - -	0 0 - -	4 2 T 17/2	
Tiree <sup>+</sup> 9 m NL(07) 999 446	0 0 - -	8 0 - -	5 0 - -	5 3 2 6	10 0 - -	12 0 - -	4 0 - -	0 0 - -	44 3 2 6/1	
<u>Dunbartonshire</u>										
Sloy 229 m NN(27) 293 105	0 0 - -	* * * *	* * * *	* * * *	17 7 35 17	* * * *	* * * *	* * * *	* * * *	
<u>Stirlingshire</u>										
Loch Arklet 146 m NN(27) 382 099	0 0 - -	9 1 1 28	4 5 11 19	6 6 13 6	10 16 15 17	8 2 4 11	7 1 T 11	0 0 - -	44 31 15 17/2	
Stronachlachar 115 m NN(27) 402 103	0 0 - -	6 4 1 10	7 7 18 20	8 7 6 6	10 7 13 17	14 5 3 4	5 0 - -	0 0 - -	50 30 18 20/12	



Table 4 (continued)

District, County & Place with Height & Grid Reference	1969			1970					Season	
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May		
<u>Renfrewshire</u>										
Sth. Moorhouse 229 m NS(26) 527 509	0 0 - -	8 8 1 27	6 6 10 17	7 7 T 5	8 8 20 16	7 7 8 3	2 1 T 9	0 0 - -	38 37 20 16/2	
<u>Lanarkshire</u>										
Lanark 152 m NS(26) 875 434	0 0 - -	7 5 8 28	3 3 1 19	3 7 5 5	12 17 15 17	10 6 1 9	5 0 - -	0 0 - -	40 38 15 17/2	
Leadhills 387 m NS(26) 888 153	0 0 - -	13 15 10 28	8 6 13 19	8 7 8 9	16 18 25 10	14 10 15 12	12 3 3 3	0 0 - -	71 59 25 10/2	
<u>Ayrshire</u>										
Mauchline 172 m NS(26) 494 283	0 0 - -	8 6 T 4	2 2 T 16	3 3 T 5	8 8 T 6	2 2 T 2	1 1 1 6	0 0 - -	24 22 1 6/4	
<u>Dumfriesshire</u>										
Eskdalemuir 242 m NT(36) 235 026	0 0 - -	19 4 10 28	9 4 8 20	12 6 7 9	24 15 16 17	17 4 4 11	15 2 2 8	0 0 - -	96 35 16 17/2	
<u>Kirkcudbrightshire</u>										
Bargrennan 110 m NX(25) 360 789	0 0 - -	5 2 T 28	4 5 5 19	3 5 T 5	6 15 1 17	6 5 T 4	3 1 T 11	0 0 - -	27 33 5 19/12	
Forrest Lodge 152 m NX(25) 555 866	0 0 - -	7 7 10 14	5 7 18 19	4 6 10 8	5 13 26 16	6 4 5 3	4 1 3 10	0 0 - -	31 38 26 16/2	
DISTRICT 6B - ISLE OF MAN										
Maughold Head 76 m SC(24) 498 914	0 0 - -	0 0 - -	2 1 T 17	1 1 T 3	2 2 1 15	1 1 5 7	0 0 - -	0 0 - -	6 5 5 7/3	
Port St. Mary 7 m SC(24) 209 671	0 0 - -	1 0 - -	8 2 * *	2 1 T 3	6 1 1 16	13 2 1 7	6 0 T 1	0 0 - -	36 6 * *	
Snaefell 620 m SC(24) 400 921	0 0 - -	3 3 6 12	4 4 6 17	5 6 30 7	5 18 30 17	9 20 30 3	15 16 38 11	0 0 - -	41 67 38 11/3	
DISTRICT 2 - ENGLAND N.E.										
<u>Northumberland</u>										
Burradon 67 m NZ(45) 269 721	0 0 - -	4 5 10 28	* * * *	* * * *	* * * *	11 7 11 5	11 4 11 8	0 0 - -	* * * *	



Table 4 (continued)

District, County & Place with Height & Grid Reference	1969			1970					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Catcleugh 253 m NT(36) 749 032	0 0 - -	8 13 16 28	7 12 14 21	5 11 15 18	10 16 24 18	11 7 9 8	10 7 13 1	0 0 - -	51 66 24 18/2
Gosforth 52 m NZ(45) 253 673	0 0 - -	10 6 8 28	8 9 8 20	6 5 13 6	12 9 15 18	13 7 8 5	9 4 3 8	0 0 - -	58 40 15 18/2
Newton-by-the-sea 15 m NU(46) 235 255	0 0 - -	2 0 - -	3 3 3 19	2 3 10 6	11 12 15 18	9 5 3 5	6 0 - -	0 0 - -	33 23 15 18/2
<u>Yorkshire N. Riding</u>									
Moorland Cottage 343 m SD(34) 807 923	0 0 - -	10 14 14 28	5 6 13 20	5 9 14 6	13 15 29 18	12 8 10 4	15 7 11 9	0 0 - -	60 59 29 18/2
Osmotherly 147 m SE(44) 458 968	0 0 - -	7 8 11 25	10 8 10 20	6 4 13 7	14 5 13 16	11 9 10 5	9 3 3 1	0 0 - -	57 37 13 7/2
<u>Yorkshire E. Riding</u>									
High Mowthorpe 175 m SE(44) 886 688	0 0 - -	* * * *	8 11 8 5	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *
Riccall 5 m SE(44) 608 373	0 0 - -	2 5 1 24	2 2 5 19	3 5 4 5	4 5 10 16	3 3 5 3	2 2 T 7	0 0 - -	16 22 10 16/2
Sledmere 121 m SE(44) 992 770	0 0 - -	7 0 - -	10 0 - -	3 3 10 5	16 0 - -	14 1 15 4	8 0 - -	0 0 - -	58 4 15 4/3
<u>Lincolnshire</u>									
Kirton-in-Lindsey 25 m SK(43) 934 990	0 0 - -	2 2 3 24	2 2 8 19	2 2 1 5	4 4 8 16	4 4 6 7	0 0 - -	0 0 - -	14 14 8 19/12
Manby <sup>+</sup> 17 m TF(53) 391 869	0 0 - -	5 3 8 30	9 6 6 5	2 4 3 6	16 6 12 18	13 8 5 5	4 0 - -	0 0 - -	49 27 12 18/2
Revesby 38 m TF(53) 303 634	0 0 - -	6 5 8 30	8 8 8 6	2 4 3 6	11 9 8 18	8 7 5 5	11 1 T 1	0 0 - -	46 34 8 30/11
Southrey 6 m TF(53) 140 664	0 0 - -	4 2 3 29	8 3 3 6	2 2 1 6	7 5 5 18	9 3 3 8	8 0 - -	0 0 - -	38 15 5 18/2
DISTRICT 3 - ENGLAND E.									
<u>Norfolk</u>									
Coltishall <sup>+</sup> 17 m TG(63) 262 229	0 0 - -	6 3 T 25	7 5 10 6	4 3 4 6	14 6 6 18	11 8 10 3	7 1 1 2	0 0 - -	49 26 10 6/12
Marham 23 m TF(53) 726 094	0 0 - -	6 3 14 30	12 9 12 1	7 3 5 6	15 7 12 18	12 4 4 5	9 0 - -	0 0 - -	61 26 14 30/11



Table 4 (continued)

District, County & Place with Height & Grid Reference	1969			1970					Season	
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May		
<u>Suffolk</u>										
Benacre 3 m TM(62) 536 845	0 0 - -	6 2 3 30	6 2 8 6	2 2 3 6	7 2 5 18	8 3 8 3	7 1 1 2	0 0 - -	36 12 8 6/12	
Melton 9 m TM(62) 282 506	0 0 - -	3 3 4 26	4 4 5 6	1 3 1 7	6 4 4 17	7 5 2 5	3 0 - -	0 0 - -	24 19 5 6/12	
Southwold 8 m TM(62) 505 765	0 0 - -	4 2 1 29	5 4 4 6	2 3 T 6	8 4 1 18	6 2 3 3	5 1 T 2	0 0 - -	30 16 4 6/12	
Wattisham 87 m TM(62) 026 514	0 0 - -	9 4 14 30	12 6 10 1	4 4 2 6	13 6 4 13	13 6 6 5	10 0 - -	0 0 - -	61 26 14 30/11	
Wingfield 49 m TM(62) 235 782	0 0 - -	4 4 5 26	5 2 10 6	3 1 1 6	* * * *	* * * *	* * * *	* * * *	* * * *	
<u>Cambridgeshire</u>										
Cambridge 24 m TL(52) 434 604	0 0 - -	3 3 8 29	4 5 6 1	2 3 1 6	5 5 1 17	2 8 11 5	3 0 - -	0 0 - -	19 24 11 5/3	
<u>Bedfordshire</u>										
Cardington <sup>+</sup> 28 m TL(52) 081 464	0 0 - -	6 1 T 30	10 2 1 6	5 3 1 6	12 6 4 13	7 10 13 5	5 0 - -	0 0 - -	45 22 13 5/3	
<u>Hertfordshire</u>										
Garston 78 m TL(52) 123 017	0 0 - -	5 1 3 30	8 5 3 1	3 5 2 6	10 7 7 13	8 12 10 4	2 0 - -	0 0 - -	36 30 10 4/3	
<u>Essex</u>										
Layer-de-la-Haye 44 m TL(52) 965 196	0 0 - -	2 2 9 30	4 2 15 5	2 2 3 6	4 4 6 16	3 3 9 4	5 0 - -	0 0 - -	20 13 15 5/12	
Rayleigh 73 m TQ(51) 805 910	0 0 - -	4 1 6 30	6 4 6 1	2 5 2 6	6 7 8 13	5 10 11 5	3 0 - -	0 0 - -	26 27 11 5/3	
Southend 58 m TQ(51) 876 852	0 0 - -	4 3 3 30	5 3 3 6	6 5 3 6	9 4 5 17	6 5 5 5	4 0 - -	0 0 - -	34 20 5 17/2	
DISTRICT 4 - MIDLAND COUNTIES										
<u>Yorkshire - W. Riding</u>										
Chelker 223 m SE(44) 051 517	0 0 - -	10 7 5 17	9 4 8 20	8 9 10 6	13 6 13 16	11 5 5 3	* * * *	0 0 - -	* * * *	
Doncaster 9 m SE(44) 576 040	0 0 - -	5 1 1 28	6 1 5 19	3 5 6 8	10 4 8 17	11 3 8 7	6 0 - -	0 0 - -	41 14 8 17/2	



Table 4 (continued)

District, County & Place with Height & Grid Reference	1969			1970					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Grenoside 171 m SK(43) 336 935	0 0 - -	4 6 5 28	4 2 5 20	4 5 6 9	10 13 10 17	6 7 10 4	6 2 4 1	0 0 - -	34 35 10 17/2
Hallbroom 320 m SK(43) 267 891	0 0 - -	9 5 10 17	6 3 5 20	8 6 5 9	13 17 13 17	15 10 18 4	9 7 2 9	0 0 - -	60 48 18 4/3
Redmires 358 m SK(43) 262 857	0 0 - -	5 5 24 16	3 3 8 19	3 3 4 5	12 17 23 9	11 11 15 8	6 5 11 9	0 0 - -	40 44 24 16/11
Strinesdale 241 m SD(34) 955 064	0 0 - -	4 2 3 17	3 1 5 20	4 4 5 6	15 11 13 10	11 10 25 8	1 0 - -	0 0 - -	38 28 25 8/3
Ribblehead 312 m SD(34) 766 789	0 0 - -	3 5 4 28	5 8 9 20	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *
Slaidburn 192 m SD(34) 717 547	0 0 - -	4 5 3 16	5 4 13 20	4 4 8 6	4 3 15 17	1 1 3 4	0 0 - -	0 0 - -	18 17 15 17/2
<u>Derbyshire</u>									
Ambergate 197 m SK(43) 350 526	0 0 - -	2 2 5 9	2 2 5 19	2 2 6 6	6 5 10 12	3 5 15 3	1 0 - -	0 0 - -	16 16 15 3/3
Bamford 155 m SK(43) 202 829	0 0 - -	3 1 4 28	3 1 8 18	2 0 - -	5 5 16 16	4 4 6 4	2 2 8 10	0 0 - -	19 13 16 16/2
Littleover 71 m SK(43) 334 339	0 0 - -	4 2 T 16	7 4 3 20	4 5 5 6	14 12 7 17	12 8 7 4	7 2 T 1	0 0 - -	48 33 7 17/2
Howden 257 m SK(43) 168 924	0 0 - -	2 2 * *	5 4 10 20	0 0 - -	9 8 13 10	5 5 8 7	5 5 6 10	0 0 - -	26 24 * *
<u>Leicestershire</u>									
Countesthorpe 91 m SP(42) 591 969	0 0 - -	5 0 - -	7 5 3 20	2 4 3 6	* * * *	8 8 11 5	5 1 1 1	0 0 - -	* * * *
Market Harborough 91 m SP(42) 733 878	0 0 - -	4 4 1 28	7 7 4 20	3 4 3 9	4 9 11 18	3 9 23 5	3 0 - -	0 0 - -	24 33 23 5/3
Stanford 112 m SP(42) 596 804	0 0 - -	4 4 1 27	5 4 3 19	2 2 3 5	6 6 8 17	4 4 30 4	3 3 1 1	0 0 - -	24 23 30 4/3
<u>Staffordshire</u>									
Hednesford 235 m SK(43) 123 017	0 0 - -	3 1 4 28	* * * *	* * * *	8 9 10 10	4 4 10 4	1 1 2 10	0 0 - -	* * * *
West Bromwich 140 m SP(42) 017 934	0 0 - -	4 2 1 16	8 6 1 30	2 4 5 5	9 11 10 17	11 11 21 4	5 0 - -	0 0 - -	39 34 21 4/3
<u>Shropshire</u>									
Shawbury <sup>+</sup> 72 m SJ(33) 553 222	0 0 - -	3 3 1 28	7 3 1 20	5 4 4 9	12 7 3 17	10 8 15 4	3 3 5 2	0 0 - -	40 28 15 4/3



Table 4 (continued)

District, County & Place with Height & Grid Reference	1969			1970					Season	
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May		
<u>Worcestershire</u>										
Martley 61 m SO(32) 743 599	0 0 - -	2 0 - -	5 5 3 20	3 5 2 9	6 10 13 17	6 10 8 7	4 4 5 1	0 0 - -	26 34 13 17/2	
<u>Herefordshire</u>										
Longtown 172 m SO(32) 322 291	0 0 - -	2 0 - -	7 6 7 20	2 2 4 1	9 8 17 12	7 6 15 3	5 0 - -	0 0 - -	32 22 17 12/2	
<u>Northamptonshire</u>										
Etton 8 m TF(53) 143 048	0 0 - -	2 0 - -	3 2 5 19	3 4 8 5	9 5 9 17	6 10 16 5	4 0 - -	0 0 - -	27 21 16 5/3	
<u>Buckinghamshire</u>										
Little Chalfont 129 m SU(41) 989 968	0 0 - -	5 2 2 30	8 4 2 1	2 6 2 1	11 7 9 13	9 10 16 5	7 0 - -	0 0 - -	42 36 16 5/3	
<u>Oxfordshire</u>										
Heythrop 183 m SP(42) 363 266	0 0 - -	3 2 1 29	5 4 1 7	* * * *	4 7 10 12	* * * *	* * * *	0 0 - -	* * * *	
<u>Gloucestershire</u>										
Filton <sup>+</sup> 59 m ST(31) 598 802	0 0 - -	0 0 - -	4 4 1 18	1 0 - -	5 4 3 13	7 1 1 8	3 0 - -	0 0 - -	20 9 3 13/2	
Baunton 121 m SP(42) 022 047	0 0 - -	2 0 - -	6 0 - -	2 0 - -	5 5 6 12	5 2 10 3	2 2 T 1	0 0 - -	22 9 10 3/3	
Little Rissington <sup>+</sup> 226 m SP(42) 205 191	0 0 - -	5 2 T 28	9 6 1 20	4 4 1 6	11 6 10 12	12 7 10 4	8 1 1 1	0 0 - -	49 26 10 12/2	
DISTRICT 5 - ENGLAND S.E.										
<u>Greater London</u>										
Charlton Park 46 m TQ(51) 433 745	0 0 - -	3 2 3 29	6 2 2 7	2 1 2 1	6 6 3 13	4 4 2 5	3 0 - -	0 0 - -	24 15 3 29/11	
East Barnet 81 m TQ(51) 262 968	0 0 - -	4 2 2 30	9 5 4 1	2 4 2 6	6 7 8 17	5 9 15 5	4 0 - -	0 0 - -	30 31 15 5/3	
Eastcote 53 m TQ(51) 110 881	0 0 - -	3 1 2 30	6 3 1 1	2 5 1 6	6 5 6 17	7 9 9 5	2 0 - -	0 0 - -	26 23 9 5/3	
Twickenham 13 m TQ(51) 158 718	0 0 - -	3 1 4 30	9 4 3 1	2 5 1 1	5 5 6 13	5 2 2 4	6 0 - -	0 0 - -	30 17 6 13/2	



Table 4 (continued)

District, County & Place with Height & Grid Reference	1969			1970					Season	
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May		
<u>Kent</u>										
Biddenden 52 m TQ(51) 850 362	0 0 - -	* * * *	1 2 1 30	1 3 1 6	3 8 9 17	* * * *	1 0 - -	0 0 - -	* * * *	
Lyminge 183 m TR(61) 138 405	0 0 - -	3 3 8 28	8 7 3 20	3 1 3 5	4 5 10 12	7 4 30 4	5 1 1 6	0 0 - -	30 21 30 4/3	
Manston <sup>+</sup> 44 m TR(61) 335 666	0 0 - -	3 1 T 29	9 1 T 6	4 1 T 6	12 6 3 27	7 6 11 5	7 0 - -	0 0 - -	42 15 11 5/3	
Penshurst Place 37 m TQ(51) 528 440	0 0 - -	4 4 4 29	7 3 3 1	2 5 1 1	7 7 5 12	4 4 6 5	3 0 - -	0 0 - -	27 23 6 5/3	
<u>Surrey</u>										
Camberley 66 m SU(41) 867 600	0 0 - -	3 1 1 30	8 5 1 1	2 4 1 1	7 8 10 13	8 3 6 4	7 0 - -	0 0 - -	35 21 10 13/2	
<u>Sussex</u>										
Thorney Island <sup>+</sup> 3 m SU(41) 758 026	0 0 - -	3 1 T 30	5 1 T 6	2 1 T 1	5 0 - -	8 1 3 9	3 0 - -	0 0 - -	26 4 3 9/3	
Washington 52 m TQ(51) 118 135	0 0 - -	4 1 4 30	5 2 2 1	2 2 2 1	8 6 3 12	10 3 3 5	6 0 - -	0 0 - -	35 14 4 30/11	
<u>Wiltshire</u>										
Boscombe Down <sup>+</sup> 126 m SU(41) 172 403	0 0 - -	3 0 - -	6 5 1 18	2 1 T 6	7 6 4 12	10 4 6 9	4 0 - -	0 0 - -	32 16 6 9/3	
DISTRICT 7A - ENGLAND N.W.										
<u>Cumberland</u>										
Alston 290 m NY(35) 720 463	0 0 - -	15 13 8 12	6 4 3 20	* * * *	* * * *	* * * *	* * * *	* * * *	* * * *	
Dale Head 189 m NY(35) 312 175	0 0 - -	5 9 10 16	4 7 10 19	5 5 11 6	6 14 10 17	9 11 8 8	6 2 4 1	0 0 - -	35 48 11 6/1	
Ennerdale 116 m NY(35) 085 153	0 0 - -	5 2 4 28	6 1 1 19	4 3 5 6	1 1 D 17	9 3 5 4	3 0 - -	0 0 - -	28 10 5 6/1	
Geltsdale 244 m NY(35) 575 537	0 0 - -	12 8 4 25	9 2 4 20	9 4 3 6	14 5 5 17	20 8 9 8	12 3 1 8	0 0 - -	76 30 9 8/3	
Lanthwaite 44 m SD(34) 166 851	0 0 - -	2 1 1 16	4 2 8 19	3 1 1 6	2 2 11 17	6 2 5 4	1 0 - -	0 0 - -	18 8 11 17/2	



Table 4 (continued)

District, County & Place with Height & Grid Reference	1969			1970					Season	
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May		
<u>Westmorland</u>										
Haweswater 213 m NY(35) 503 159	0 0 - -	7 3 10 28	7 3 14 19	3 2 14 5	8 7 15 17	13 2 5 8	10 2 3 1	0 0 - -	48 19 15 17/2	
Langdales 119 m NY(35) 315 058	0 0 - -	8 6 8 16	10 5 20 20	6 6 13 9	11 4 19 17	11 4 3 8	8 1 4 1	0 0 - -	54 26 20 20/12	
<u>Lancashire</u>										
Squires Gate <sup>+</sup> 10 m SD(34) 316 347	0 0 - -	1 1 T 28	4 3 3 19	4 0 - -	5 3 5 17	7 3 6 7	1 1 T 1	0 0 - -	22 11 6 7/3	
Belmont 247 m SD(34) 692 142	0 0 - -	6 5 1 4	6 6 13 19	8 6 8 8	15 15 16 16	15 12 16 6	10 0 - -	0 0 - -	60 44 16 16/2	
Bacup 411 m SD(34) 847 198	0 0 - -	11 10 5 17	12 8 6 16	6 6 6 6	15 22 13 7	16 15 16 8	13 3 1 9	0 0 - -	73 64 16 8/3	
High Nibthwaite 54 m SD(34) 294 898	0 0 - -	4 1 1 16	3 4 13 20	4 4 5 6	2 5 15 17	10 4 5 7	4 0 - -	0 0 - -	27 18 15 17/2	
<u>Cheshire</u>										
Northwich 14 m SJ(33) 656 728	0 0 - -	3 0 - -	4 3 4 19	4 4 3 5	7 4 5 17	8 6 9 7	5 1 1 1	0 0 - -	31 18 9 7/3	
Ringway <sup>+</sup> 76 m SJ(33) 818 850	0 0 - -	3 1 T 17	7 1 1 20	6 3 4 6	13 4 4 17	11 7 7 4	3 0 - -	0 0 - -	43 16 7 4/3	
DISTRICT 7B - NORTH WALES										
<u>Flintshire</u>										
Mount Pleasant 159 m SJ(33) 257 661	0 0 - -	2 2 * *	4 9 5 29	3 7 8 5	7 12 5 25	10 13 23 3	2 4 T 1	0 0 - -	28 47 * *	
<u>Denbighshire</u>										
Alwen 366 m SH(23) 956 528	0 0 - -	9 7 19 17	9 8 1 15	6 7 9 7	16 19 16 17	15 17 21 10	5 5 8 1	0 0 - -	60 63 21 10/3	
Bwlch Tunnel 374 m SJ(33) 164 580	0 0 - -	3 5 18 17	6 10 8 30	6 6 8 3	8 10 10 11	12 15 54 7	2 3 23 1	0 0 - -	37 49 54 7/3	
Cae Llwyd 305 m SJ(33) 269 482	0 0 - -	3 3 6 28	6 6 6 20	2 2 4 6	7 7 8 10	5 5 30 4	5 5 13 1	0 0 - -	28 28 30 4/3	



Table 4 (continued)

District, County & Place with Height & Grid Reference	1969			1970					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Clawdd Newydd 304 m SJ(33) 078 521	0 0 - -	8 3 10 17	10 7 3 31	7 7 5 6	17 11 15 10	17 14 20 3	12 4 8 1	0 0 - -	71 46 20 3/3
<u>Caernarvonshire</u>									
Bryn Gwynant 95 m SH(23) 642 513	0 0 - -	10 4 3 29	7 3 8 18	6 6 4 5	10 7 4 16	15 10 11 5	8 5 8 1	0 0 - -	56 35 11 5/3
Capel Curig 198 m SH(23) 717 577	0 0 - -	2 1 - -	* * * *	7 7 3 5	3 3 1 6	7 7 3 3	0 0 - -	0 0 - -	* * * *
<u>Anglesey</u>									
Valley <sup>+</sup> 10 m SH(23) 310 758	0 0 - -	3 2 9 29	6 1 T 18	4 3 3 5	7 0 - -	6 1 3 5	3 0 - -	0 0 - -	29 7 9 29/11
<u>Merioneth</u>									
Dolgellau 27 m SH(23) 732 177	0 0 - -	4 2 T 29	5 1 T 31	6 2 1 4	8 7 1 11	10 5 5 8	4 1 1 1	0 0 - -	37 18 5 8/2
DISTRICT 8A - SOUTH WALES									
<u>Cardiganshire</u>									
Aberporth 133 m SN(22) 242 521	0 0 - -	4 2 7 29	7 1 T 29	3 0 - -	8 2 3 12	9 2 6 5	2 1 6 1	0 0 - -	33 8 6 5/3
<u>Radnorshire</u>									
Evancoyd 227 m SO(32) 261 630	0 0 - -	3 2 3 16	7 8 13 19	4 5 4 8	8 11 21 17	11 10 11 12	4 3 9 1	0 0 - -	37 39 21 17/2
Llandrindod Wells 235m SO(32) 062 606	0 0 - -	4 0 - -	7 6 5 19	5 5 5 6	9 10 17 13	10 9 10 8	5 2 3 1	0 0 - -	40 32 17 13/2
<u>Brecknockshire</u>									
Llangynidr 430 m SO(32) 155 139	0 0 - -	8 2 4 17	6 6 11 19	3 4 8 8	* * * *	* * * *	* * * *	* * * *	* * * *
Tairbull 201 m SN(22) 978 262	0 0 - -	6 1 1 29	7 3 4 31	2 1 3 5	5 3 4 16	6 5 3 6	5 1 1 8	0 0 - -	31 14 4 31/12
<u>Glamorgan</u>									
Maesteg 180 m SS(21) 847 914	0 0 - -	1 0 - -	3 2 5 29	0 0 - -	6 6 1 12	4 4 1 8	5 5 T 1	0 0 - -	19 17 5 29/12



Table 4 (continued)

District, County & Place with Height & Grid Reference	1969			1970					Season
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Merthyr Tydfil 235 m SO(32) 048 071	0 0 - -	4 3 0 0	7 6 8 31	3 6 8 1	15 10 15 16	13 8 6 6	6 3 3 7	0 0 - -	48 36 15 16/2
Swansea 23 m SS(21) 642 923	0 0 - -	3 2 6 29	4 1 3 31	2 1 1 1	4 0 - -	8 6 6 5	2 1 3 1	0 0 - -	23 11 6 29/11
DISTRICT 8B - ENGLAND S.W.									
<u>Somerset</u>									
Bath 116 m ST(31) 751 638	0 0 - -	0 0 - -	3 4 3 31	2 3 1 1	3 6 8 13	1 0 - -	2 0 - -	0 0 - -	11 13 8 13/2
Hawkridge 314 m SS(21) 877 327	0 0 - -	2 2 2 29	7 5 8 18	4 5 4 6	* * * *	10 6 5 7	6 2 1 1	0 0 - -	* * * *
<u>Dorset</u>									
Dorchester 69 m SY(30) 693 899	0 0 - -	2 0 - -	7 1 1 31	1 2 1 8	4 3 T 12	9 2 3 6	4 0 - -	0 0 - -	27 12 3 6/3
<u>Devon</u>									
Chagford 381 m SX(20) 661 866	0 0 - -	5 6 5 15	4 6 8 19	1 2 5 6	5 13 15 12	14 18 15 8	8 8 10 2	0 0 - -	37 53 15 12/2
Burrator 225 m SX(20) 553 680	0 0 - -	2 2 3 29	3 1 - 1	2 3 3 6	6 5 3 25	8 6 5 8	6 4 8 8	0 0 - -	27 26 8 8/4
Challacombe 259 m SS(21) 692 411	0 0 - -	3 2 3 28	* * * *	* * * *	11 6 10 11	16 5 3 4	5 0 - -	0 0 - -	* * * *
Chivenor 6 m SS(21) 494 347	0 0 - -	2 0 - -	4 1 3 31	0 0 - -	3 1 T 15	5 0 - -	1 0 - -	0 0 - -	15 2 3 31/12
Exeter <sup>+</sup> 32 m SY(30) 001 933	0 0 - -	1 0 - -	4 1 T 31	0 0 - -	2 0 - -	6 2 T 5	2 0 - -	0 0 - -	15 3 T 31
North Hessary Tor 427 m SX(20) 585 735	0 0 - -	11 2 4 15	9 0 - -	4 1 3 6	17 5 15 12	18 5 8 13	13 * * *	0 0 - -	72 * * *
Plymouth 61 m SX(20) 465 573	0 0 - -	3 2 3 29	3 0 - -	0 0 - -	6 1 T 16	9 5 2 8	4 1 2 1	0 0 - -	25 9 3 29/11
Yalland 268 m SX(20) 690 628	0 0 - -	3 3 1 29	4 4 T 31	2 3 T 1	11 4 1 4	12 7 2 13	5 5 T 1	0 0 - -	37 26 2 13/3
<u>Cornwall</u>									
Liskeard 140 m SX(20) 257 643	0 0 - -	1 3 9 28	0 0 - -	0 0 - -	2 1 10 14	3 3 1 4	4 4 T 1	0 0 - -	10 11 10 14/2
St. Mawgan 103 m SW(10) 871 642	0 0 - -	1 1 1 29	3 0 - -	2 0 - -	4 1 T 15	7 1 T 3	4 0 T 1	0 0 - -	21 3 1 29/11



Table 5

No. of days with snow seen lying in the mountains  
 (a) near the summit (b) at about 762 metres (2500 feet)  
 (c) at station level

Station and Peak	Level	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
Ross & Cromarty	a	2	28	24	30	28	31	30	9	182
Peak: Sgurr Mor (1108m)	b	2	28	22	13	26	29	27	3	150
Stn: Glackour (24m)	c	0	6	3	8	16	15	3	0	51
Aberdeenshire	a	6	30	31	31	28	31	30	31	218
Peak: Ben Macdui (1310m)	b	4	26	31	30	28	31	30	13	193
Stn: Derry Lodge (427m)	c	1	20	23	18	25	25	19	0	130
Inverness-shire	a	2	28	31	31	28	31	30	*	*
Peak: Creag Meagaidh (1128m)	b	1	27	31	26	28	31	30	*	*
Stn: Fersit (244m)	c	0	19	5	6	15	12	2	0	59
Stirlingshire	a	0	25	23	15	28	30	25	9	155
Peak: Ben Vane (916m)	b	0	24	23	15	28	30	24	0	144
Stn: Loch Arklet (146m)	c	0	1	5	6	16	2	1	0	31
Argyll	a	0	19	9	2	9	7	5	0	51
Peak: Ben More (Mull) (966m)	b	0	19	9	2	8	5	1	0	44
Stn: Rhuvaal (19m)	c	0	0	0	0	1	1	0	0	2
Kirkcudbrightshire	a	0	26	31	20	26	31	26	0	160
Peak: Merrick (845m)	b	0	26	31	20	26	31	20	0	154
Stn: Bargrennan (110m)	c	0	2	5	5	15	5	1	0	33
Northumberland	a	0	16	18	16	24	26	18	0	118
Peak: The Cheviot (816m)	b	0	16	18	16	24	26	18	0	118
Stn: Newton-by-the-Sea (15m)	c	0	0	3	3	12	5	0	0	23
Yorks. N. Riding	a	0	16	8	12	21	18	16	0	91
Peak: Gt. Shunner Fell (714m)	b	-	-	-	-	-	-	-	-	-
Stn: Moorland Cott. (343m)	c	0	14	6	9	15	8	7	0	59
Cumberland	a	0	18	13	15	23	26	23	0	118
Peak: Helvellyn (950m)	b	0	18	7	10	14	20	16	0	85
Stn: Dale Head (189m)	c	0	9	7	5	14	11	2	0	48
Caernarvonshire	a	0	8	11	11	27	30	30	11	128
Peak: Snowdon (1085m)	b	0	8	11	10	27	20	29	0	105
Stn: Capel Curig (198m)	c	0	1	6	7	3	7	0	0	24
Merioneth	a	0	18	8	10	24	26	16	0	102
Peak: Cader Idris (892m)	b	0	18	7	10	24	26	16	0	101
Stn: Dolgellau (27m)	c	0	2	1	2	7	5	1	0	18
Brecknockshire	a	0	18	19	20	28	30	15	0	130
Peak: Brecon Beacons (886m)	b	0	18	19	20	28	30	15	0	130
Stn: Tairbull (201m)	c	0	1	3	1	3	5	1	0	14

NB See Figure II for days when mountains were obscured.