SCOTTISH METEOROLOGICAL SOCIETY.

Observations taken at Leith, County of Edinburgh, During the MONTH of January 1910.

Lat. 55°59'N, Long. 3°10'W, Distance from Sea half mile. Height of Cistern of the Barometer above Mean Sea-Level 55 feet, above Ground 8 feet.

Diameter of Rain Gauge _____ inches. Height of Rim of Gauge above Ground _____

The Hours of Observation are of Greenwich Time.

Days of Month.	BAROMETER. cott. & sea. 9 A.M. Barometer. No.	9 A.M. Attached Thermometer	9 P.M. Barometer. No.	9 P.M. Attached Thermometer	SELF-REGISTERING THERMOMETERS, Read Daily, at 9 P.M. Protected in Screen, 4 feet above Ground. Max. No.	Min. No.	Black Bulb Max. in Sun. No.	Min. on Grass. No.	HYGROMETER. Dry No. ___ Wet No. ___ 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. No. 3 ins.	No. 12 ins.	No. 22 ins.	No. 36 ins.	No. 48 ins.	GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. *Mention the hour at which Storms, including Thunder and Lightning, began and ended.*	Days of Month.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.												°	°	°	°	°		
1			29.976																	Cloudy; showery; squally at times.									1
2			30.143																	Squally till abt. 4 pm. with sho. early morning; freq. sunshine									2
3			30.079																	Freq. sunshine dur. forenoon; squally after 3 pm.									3
4			30.279																	Fine; mostly cloudy; hazy; sli. drizz. after 9 pm.									4
5			30.382																	Fine.									5
6			30.444																	Fine; cloudy; hazy.									6
7			30.213																	Fine; mostly cloudy; evening clearer.									7
8			29.446																	Cloudy; sq. at times; freq. sho. after 2.30 pm; T & L. with heavy sh. at 6.2 pm.									8
9			29.352																	Cloudy; squally; showery.									9
10			29.601																	Changeable; squally; freq. brk. sths. of duty r, with sn. at 9 am; sunny intvs.									10
11			29.322																	Sq. early morning; freq. sleety sho; heavy sn. from 1 till 1.30 pm.									11
12			29.799																	Sn. sho. early morng; day fine, mostly sunny till 3 pm, then cloudy.									12
13			29.651																	Cloudy; hazy; drizz. sho. after noon. [11.50 am & 0.5 pm									13
14			29.767																	Changeable; showery; sunny intvs forenoon; hl. sh. at 11.40 am, & T & L. with hy. sleety r. bet.									14
15			29.511																	Cloudy; r. bet. 3.30 pm. and 8 pm. [0.30 pm. & 7.45 pm.									15
16			29.331																	Changeable; r. sho. aft. 10.15 am; hl. & r. sh. at 3 pm & 5.15 pm.; mostly sunny bet.									16
17			29.315																	Cloudy; squally; freq. r. sho. and heavy hl. & sl. at 2.15 pm & 5 pm; sunny intvs.									17
18			29.144																	Sq. with freq. r. sl. prev. night, and T. at 4 am; day mostly sunny; sn. sho. aft. 6 pm.									18
19			29.310																	Sn. prev. night, & sleety sho. dur. forenoon; sunny at times.									19
20			29.696																	Fine, sunny.									20
21			29.877																	Fine; mostly sunny.									21
22			30.043																	Fine; bright sunshine.									22
23			29.282																	Overcast; nearly const. sn. bet. 11.30 am. and 2.30 pm.									23
24			29.242																	Cloudy; sn. sho. prev. night, & freq. r. sho. dur. day; sn. & hl. sho. after 8 pm.									24
25			29.253																	Sn. prev. night; day mostly sunny; clear.									25
26			29.237																	Fine, sunny; hazy; evening overcast.									26
27			29.231																	Cloudy; freq. sn. bet. 5.30 am. and 10 am.; sunny at times later.									27
28			28.875																	Cloudy.									28
29			29.590																	Fine; bright sunshine after noon.									29
30			29.613																	Fine, mostly sunny forenoon; cloudy afternoon; evening gusty, showery.									30
31			29.627																	Cloudy; damp.									31
Sums.																															
Means.																				Jany. M. 6.30 am. 28.827											
Corrections for Instrumental Errors.																															
Corrections for Diurnal Range.																															
Corrected Means																															

NOTATION USED IN GENERAL REMARKS.

a.	*denotes* aurora.	
d.	,,	drizzling rain.
f.	,,	fog.
fr.	,,	frost.
h.-fr.	,,	hoar-frost.
h.	,,	haze.
hl.	,,	hail.
l.	,,	lightning.
lu. co.	,,	lunar corona.
lu. ha.	,,	lunar halo.
m.	,,	mist.
p.	,,	passing showers.
r.	,,	rain.
r.²	,,	heavy rain.
sl.	,,	sleet.
sn.	,,	snow.
so. ha.	,,	solar halo.
q.	,,	squall.
q.²	,,	violent squalls.
t.	,,	thunder.
t. s.	,,	thunder-storm.

CLOUDS.

High Clouds.		
Cirrus,	. . . .	cir.
Cirro-stratus,	. . .	cir.-str.
Cirro-cumulus,	. .	cir.-cum.
Middle Clouds.		
Strato-cirrus,	. .	str.-cir.
Cumulo-cirrus,	. .	cum.-cir.
Lower Clouds.		
Strato-cumulus,	. .	str.-cum.
Cumulus,	. . . .	cum.
Cumulo-nimbus,	. . .	cum.-nim.
Nimbus,	. . . .	nim.
Stratus,	. . . .	str.

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0—12).

FORCE.		FORCE.		FORCE.	
0	Calm.	5	Fresh Breeze.	9	Strong Gale.
1	Light Air.	6	Strong Breeze.	10	Whole Gale.
2	Light Breeze.	7	Moderate Gale.	11	Storm.
3	Gentle Breeze.	8	Fresh Gale.	12	Hurricane.
4	Moderate Breeze.				

BAROMETER. Corrected Mean at 9 A.M., *minus* Correction for Temp. = ... — ..... = _____

Corrected Mean at 9 P.M., *minus* Correction for Temp. = ... — ..... = _____

Mean at Station, corrected, and at 32°, ... = _____

Correction for height, _____ feet above Mean Sea-level, ... = + _____

Mean, reduced to 32°, and Sea-level, ... = _____

Highest Reading, corrected for Index error, on the _____ th, ... = _____

Lowest Do. Do., on the _____ th, ... = _____

Difference, or **Monthly Range,** ..... = _____

S.-R. THERMOMETER, (in shade) **Highest in Month,** corrected for Index Errors, on the _____ th, ... = _____

Lowest in Month, corrected for Index errors, on the _____ th, ... = _____

Difference, or **Monthly Range,** ..... = _____

Mean of all the Highest, ... = _____

Mean of all the Lowest, ... = _____

Difference, or **Mean Daily Range,** ..... = _____

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ... = _____

S.-R. THERMOMETER, Min. on Grass, Lowest in Month, ... = _____

,, ,, Mean, ... = _____

Black Bulb, Max. in Sun, Highest in Month, ... = _____

HYGROMETER, Dry Bulb, Mean of A.M. and P.M. Readings, ... = _____

Wet Bulb, Mean of A.M. and P.M. Readings, ... = _____

Computed **Temperature of Dew-Point,** ..... = _____

Do. **Elastic Force of Vapour,** ..... = _____

Do. **Relative Humidity** (Saturation = 100), = _____

RAIN fell on _____ **Days; Amount in Inches,** ..... = _____

WIND.	SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.										
P.M.										
Sum.										

Observations made and Return verified by _____

(*Signed*) _____

N.B.—**Rain** to be measured at 9 A.M. and the amount entered to the previous day.

See instructions on back of Schedule.

INSTRUCTIONS FOR TAKING METEOROLOGICAL OBSERVATIONS.

In order to insure uniformity in the observations made at the Observing Stations of the Scottish Meteorological Society, the Council request the Observers to adopt the methods described below.

HOURS OF OBSERVATION.

The Council recommend that Observations be made precisely at 9 A.M. and 9 P.M. (Greenwich Time). At both hours the Barometer and Dry and Wet Bulb Thermometers should be read, and notes made of the Wind, Cloud, and general weather. The Rain Gauge should be read at 9 A.M. only, and the Maximum and Minimum Self-registering Thermometers at 9 P.M. only.

It is hoped that every effort will be made to insure punctuality. When, however, an observation is taken not at the usual hours, it is requested that this be stated in a note on the Schedule.

All instruments used should be compared with a certified standard; Observers are requested to communicate with the Secretary before purchasing new or repairing old instruments.

BAROMETER.

The Barometer should be hung in a good light and in a room not exposed to sudden changes of temperature. The upper part of the scale must not be higher than the level of the observer's eye, and the instrument must hang vertically. Barometers should not be moved from their places except by persons accustomed to the work, as they are very liable to get air into the mercury column when improperly handled. Mercurial barometers mounted in metal cases are the only sort suitable for the accurate measurement of atmospheric pressure.

FORTIN BAROMETER.—In setting this instrument the level of the mercury in the glass cistern has first to be adjusted by turning the screw below the cistern till the surface of the mercury just touches the ivory point which projects downwards from the cover of the cistern. A modification of the Fortin pattern is used at several of the Society's Stations, in which the adjustment is made by turning the screw until the zero line on an ivory rod which projects through the cover of the cistern is brought to coincide with the lines on the uprights beside it. In either pattern this cistern adjustment must be made before the Vernier at the top of the mercury column is set.

In the BOARD OF TRADE pattern of barometer no adjustment of the cistern is required, and the Observer can at once proceed to set the Vernier, which in all three classes of instrument is done as follows:—

First see that the Vernier is raised above the mercury, then lower it till its front and back edge both just touch, that is, form a tangent to, the highest part of the mercury column. The top of the mercury is usually slightly convex, and care must be taken not to bring the Vernier down to where the front of the mercury touches the glass, which is below the real top of the column.

The attached thermometer should be read and noted before setting the barometer, as its readings may be affected by heat from the Observer's body while handling the instrument.

The errors most frequently made in reading the barometer are mistakes of 1·000 inch, 0·100 inch, and 0·050 inch; that is to say, instead of 29·365 one of the following is sometimes set down—viz. 30·365, 29·265, or 29·315. Experience having shown that even the best Observers occasionally make these mistakes, the reading, after it is writen down, should be compared again with the scale.

STEVENSON SCREEN.

The Maximum, Minimum, Dry Bulb, and Wet Bulb Thermometers should be placed in a louvred Stevenson Screen standing over grass and with its door facing north. The Dry and Wet Bulb Thermometers may be conveniently attached to upright laths near the front of the Screen, and the Maximum and Minimum Thermometers to others farther back. The height of the Screen should be such that the bulbs of the Dry and Wet Thermometers are four feet above the ground. The Screen should be painted white inside and out.

MAXIMUM AND MINIMUM THERMOMETERS.

In order that the MAXIMUM THERMOMETER may register the highest temperature of the day, the column of mercury is disconnected from the mercury in the bulb either by an air-bubble in the column (Phillip's pattern), or by the narrowing of the tube near the bulb (Negretti and Zambra's pattern). In either case the instrument is set by holding it vertically, bulb downwards, and gently shaking and tapping it so as to send the portion of the column that remained at the highest point attained back towards the bulb.

The MINIMUM THERMOMETER registers the lowest temperature by an index enclosed in the column of spirit which is drawn towards the bulb as the temperature falls, but remains stationary during any rise of temperature. The lowest reading is therefore the position of the end of the index furthest from the bulb. The instrument is set by inclining it bulb upwards till the index slips down to the end of the column of spirit. Care must be taken not to force any part of the index beyond the end of the spirit. Should this occur, however, or should portions of the spirit get detached and lodge in the upper part of the tube, it is generally possible to set the instrument right again by grasping it near the end furthest from the bulb and giving several rapid vertical swings at arm's length, so as to drive the spirit and index towards the bulb by centrifugal force.

Both Maximum and Minimum should be read and set at 9 P.M. The readings should be written down before the Thermometers are touched; and after setting, both should agree very nearly with the Dry Bulb temperature at that hour. Any difference from the Dry Bulb of more than a degree may be regarded by the Observer as an indication either that the instrument is not properly set, or that it is out of order.

DRY AND WET BULB THERMOMETERS.

The Hygrometer in use at the Society's Stations consists of two thermometers—a Dry and a Wet Bulb—of similar form, and usually mounted on one frame. The bulbs should project at least an inch from the frame, and the Wet Bulb be covered with muslin and connected by strands of cotton with the water cistern. This cistern should be placed an inch or two below the level of the bulbs and at the side of the Wet Bulb furthest from the Dry Bulb; it should not stand directly under the Wet Bulb. Muslins and strands are supplied to most stations from the Society's office, and should be renewed at least once a month. In putting on a fresh muslin care should be taken to touch it as little as may be with the fingers. In frosty weather the strands do not convey water to the muslin, but an accurate observation can generally be insured by soaking the Wet Bulb in water a quarter of an hour before the observation, as from the film of ice thus formed on the muslin evaporation goes on in the same way as from the wet muslin under ordinary circumstances.

RAIN GAUGE.

The Rain Gauge should be read at 9 A.M. each day, and the amount entered to the *previous day on the Schedule*: thus the quantity measured at 9 A.M. on the 5th should be put down on the line containing the observations of the 4th of the month, since out of the twenty-four hours ending at 9 A.M. on 5th, fifteen belong to the 4th and only nine to the 5th, so that the amount may more properly be credited to the former day. The monthly total for, say, January is thus what falls between 9 A.M. on 1st January and 9 A.M. on 1st February.

The measuring glass is divided to hundredths of an inch—the highest line indicating ·50, that is fifty hundredths or half an inch. The amount should be entered on the Schedule thus: if up to say the sixth line in the glass as ·06, if up to the twenty-third line as ·23, if up to the thirtieth line as ·30, and so on, there being always two figures put down to the right of the decimal point. Care should be taken to avoid entering ·08 as simply 8, or ·30 as ·3, as this may cause confusion when adding the figures to get the total for the month.

When the fall exceeds one fill of the measuring glass it is necessary to measure it in portions, and each successive reading should be jotted down on the flyleaf of the note-book or other convenient place before the glass is emptied. Thus after heavy rain the amounts measured might be:—

·47
·42
·38

1·27

The total, 1·27, would be entered on the Schedule.

The glass must be held vertically or placed on a level surface when reading. A little uncertainty is sometimes caused by the upward curvature of the water where it touches the side of the glass, but the true reading is half way between the two apparent edges of the water surface. When there is nothing in the gauge a stroke (——) should be entered on the Schedule rather than the figure 0.

Snow or **Hail** is counted as Rainfall, and should be melted and measured as such. The upper part of the gauge may be taken indoors, and what is lying in it thawed. To save time, especially if snow or rain be then falling, it is convenient to add a measured quantity of warm water to the snow in the gauge, this quantity being afterwards deducted from the total to get the amount that has fallen. The depth of snow lying on the ground should be noted in the Remarks column.

In gauges, such as Flemings, in which a float and measuring rod is used, the rod should be removed or tied down below the level of the rim, except when a measurement is being taken, because if allowed to project above the gauge, it would prevent it catching the true amount of fall.

If a gauge is only read once a month this should be done on the morning of the 1st, and the amount entered to the previous month.

The Rain Gauge should be placed in an open situation, if possible with no elevated objects close to it, in any case trees, walls, etc., should never be nearer to the gauge in horizontal distance than their own height. The gauge should be firmly fixed with its rim 12 inches above ground; if surrounded by grass, care must be taken that it is never allowed to grow as high as the rim. The gauges at most Stations are five inches in diameter, though a few of larger or smaller size are also in use. A convenient way of fixing a gauge in position is to drive four stout wooden pegs from 12 to 18 inches long into the ground, one at each side of the gauge.

WIND, CLOUD, SUNSHINE, ETC.

WIND.

The direction and force of the Wind should be noted at 9 A.M. and 9 P.M. In confined situations where the true direction cannot be easily observed, it is best to ascertain this by watching the movement of smoke from chimneys, or even of the lower clouds. The force of the wind should be noted according to the scale given on the other side of the Schedule.

At Stations where an Anemometer is in use, the readings at 9 A.M. each day should be put down in the column provided, the values being entered to the previous day, as in the case of the Rainfall.

CLOUDS.

The amount of Cloud should be estimated on the scale, 0 to 10, 0 indicating a clear and 10 an overcast sky. Only the part of the sky over 30° above the horizon should be taken into account, as it is impossible to estimate the space covered by Clouds nearer the horizon. A convenient table for noting briefly the species of Cloud will be found on the other side of the Schedule. It is desirable to note, if possible, the direction from which the Clouds are moving. If there is more than one layer of clouds on the sky, they should be noted.

Thus, for example,

Cir. W. . .	4
Cum. Str. S.W.	2

would indicate that four-tenths of the sky was covered with cirrus moving from the West, and two-tenths with cumulus moving from the S.W.

SUNSHINE.

This column is primarily for those Stations where a Sunshine Recorder is kept; at other Stations, however, the Observer may note in it the number of hours each day that the sun shines with sufficient clearness to cast a distinct shadow.

RADIATION THERMOMETERS.

A MAXIMUM THERMOMETER, with its bulb blackened and enclosed in an outer glass bulb exhausted of air, is used at many stations to register the highest temperature in the sun. It should be mounted horizontally about four feet above ground with its bulb pointing south, and should be read and set at 9 P.M.

A MINIMUM THERMOMETER on grass is used to register the lowest radiation temperature at night. It should be placed on wooden supports a few inches above the surface of the grass. It may be read and set at 9 P.M., but in warm weather, as the spirit in this instrument is liable to evaporate when exposed to bright sunshine and to condense again in the upper part of the tube, it is better to read it at 9 A.M., to put it inside the screen during the day, and to set and replace it at 9 P.M.

THERMOMETERS UNDER GROUND.

These should be read at 9 A.M., and the readings entered on the day on which they are made.

REMARKS.

In the Remarks column should be noted all occurrences of Snow, Hail, or Heavy Rain; of Thunder, or Lightning, or both together; of all Auroras, Meteors, or Halos round the sun or moon; Fogs, Gales or Storms, and generally of all noteworthy Weather phenomena.

The table and additional lines on the back of the Schedule are for the use of those Observers who wish to record Notes connected with the changes of the Seasons, such as the growth of Crops, Fruit, etc., and the migrations of Birds; also the prevalence of Diseases in man, in the lower animals, and in plants. Such observations are often of great interest and utility when taken in conjunction with the ordinary Meteorological records.

DATES IN CONNECTION WITH THE PERIODICAL RETURN OF THE SEASONS.

FOREST TREES.	In Flower.	Leaf Buds first Appear.	In Leaf.	Divested of Leaves.	CROPS, mentioning variety.	Sowing or Planting.	Appearing above Ground.	In Ear or Flower.	First Cut or Raised.
Alder,					Barley,				
Ash,					Bere or Bigg,				
Beech,					Oats,				
Birch,					Wheat,				
Elm,					Beans,				
Larch,					Pease,				
Lime,					Potatoes,				
Oak,					Turnips,				
Sycamore or Plane,					Rye Grass,				

SHRUBS, ETC.	First in Blossom.	FRUITS.	First in Blossom.	Fruit Ripe, generally.	MIGRATORY BIRDS.	First Arrival.	Departure.
Barberry,		Apple,			Cuckoo,		
Bourtree or Elder,		Black Currant,			Curlew,		
Broom,		Cherry,			House-Swallow,		
Hazel,		Gean,			Lapwing,		
Hawthorn,		Gooseberry,			Plover,		
Holly,		Peach,			Sand-Martin,		
Laburnum,		Pear,			Starling,		
Lilac,		Plum,			Swan,		
Mezereon,		Strawberry,			Rail or Corn Crake,		
Mountain Ash or Rowan,							
Red Flowering Currant,							
Rhododendron Ponticum,							
Whin,							

The Society will be glad to receive any portions of the information indicated in this table that may come under the Observer's notice.

ADDITIONAL REMARKS.

BOOK POST.

THE SECRETARY,
Scottish Meteorological Society,
122 *George Street,*
EDINBURGH.

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Leith, County of Edinburgh, During the MONTH of February 1910.

Lat. 55°59′ N Long. 3°10′ W. Height of Cistern of the Barometer above Mean Sea Level 55 feet, above Ground 3 feet. Diameter of Rain Gauge ____ ins.

Height of Gauge above Mean Sea Level ____ feet. Height of Rim of Gauge above Ground ____ ins.

Date.	BAROMETER. corrd to 32° and sea-level. 9 A.M. Barometer.	9 A.M. Attached Thermometer.	9 P.M. Barometer.	9 P.M. Attached Thermometer.	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	9 A.M. 12 ins.	9 A.M. 48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. *Mention the hour at which Storms, including Thunder and Lightning, began and ended.*	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											°	°	°				
1			29·374																										Cloudy, with occas. sunshine; shs. after 5.30 pm.	1
2			29·168																										Mostly cloudy; fine.	2
3			29·268																										O. drizz. r. till 10 am; freq. sunshine later, hazy.	3
4			29·778																										Fine, sunny; hazy.	4
5			29·476																										C.; g. early morng; freq. shs. after 3 pm.	5
6			29·438																										C.; very stormy at times noon; shs. bet. 10½ & 11 am. & aft. 6.30 pm.	6 [Brief sunshine. occas.
7			29·252																										O.; nearly contd r. aft. 8.30 am, with freq. sl. & s. till noon	7
8			29·888																										Fine, sunny till abt. 3 pm, then Cloudy; lowering	8
9			30·164																										Fine; mostly sunny till 2 pm; then cloudy.	9
10			29·726																										C.; shs. after 11.15 am.; sunny at times afternoon	10
11			29·699																										Fine, mostly fine noon; a few brisk shs. after 1.45 pm	11
12			29·793																										Fine, sunny till abt. 1 pm, then O.; g. at times after 4.30 pm	12
13			29·491																										C.; g. at times.	13
14			29·063																										O. early morn. with shs. abt. 7 am.; day fine, mostly sunny; lowng C.	14
15			28·922																										Fine, mostly sunny till noon; r. shs. abt. 1 pm. & brisk S. aft. 5.30 pm	15
16			29·096																										Changeable; brisk S. shs. bet. 6 & 7 am, rr. shs. forenoon; freq. sun, O.U. r. g. pm	16
17			29·660																										Do.; freq. rr shs. till 1 pm.; sunny intvs; hazy g. at times afternoon.	17
18			29·284																										O. early morn. with brisk shs. till 8 am.; day fine, mostly sunny.	18
19			28·571																										Changeable; freq. shs. aft. 5.30 am.; bright sunshine at times.	19
20			28·379																										Strong g. with brisk shs. bet. 5 & 6 am.; occas. sun; r. bet. 1 & 2½ pm; g.	20
21			29·265																										C.; showery; sunny intvs.	21
22			29·480																										Fine, mostly sunny till abt. 2 pm, then C.; shs. after 4.45 pm.	22
23			29·695																										Morning hazy; day fine, mostly sunny.	23
24			29·356																										O.; r. at 7.15 am. & C. S. r. shs. in succession duri. day	24
25			29·362																										Fine, sunny; evening C., hazy.	25
26			29·398																										C.; drizz. r. chiefly bet. 10 am & 2 pm.; sunny intvs after 4 pm.	26
27			29·795																										Fine, sunny; clear.	27
28			29·577																										Cloudy; showery.	28
29																														29
30																														30
31																														31
Sums.																														
Means.																														
Instrumental Errors.																														
Corrected Means.																														

WEATHER NOTATION.

a.	*denotes* aurora.	m.	*denotes* mist.
b.	,, blue sky, cloudless.	p.	,, passing showers.
bc.	,, blue sky with detached clouds.	q.	,, squally.
c.	,, sky mainly cloudy, but with openings between the clouds.	r.	,, continuous rain.
		s.	,, snow.
o.	,, completely overcast.	so. ha.	,, solar halo.
d.	,, drizzling rain.	t.	,, thunder.
e.	,, wet air, without rain falling.	t. s.	,, thunder-storm.
f.	,, fog.	u.	,, ugly, threatening appearance.
fe.	,, wet fog.		
g.	,, gloomy.	v.	,, unusual visibility of distant objects.
h.	,, hail.		
l.	,, lightning.	w.	,, dew.
lu. co.	,, lunar corona.	x.	,, hoar frost.
lu. ha.	,, lunar halo.	z.	,, dust haze.

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0—12).

FORCE.		FORCE.		FORCE.	
0	Calm.	5	Fresh Breeze.	9	Strong Gale.
1	Light Air.	6	Strong Breeze.	10	Whole Gale.
2	Slight Breeze.	7	High Wind.	11	Storm.
3	Gentle Breeze.	8	Gale.	12	Hurricane.
4	Moderate Breeze.				

BAROMETER.

Corrected Mean at 9 A.M., *minus* Correction for Temp. ..... — ..... = ____

Corrected Mean at 9 P.M., *minus* Correction for Temp. ..... — ..... = ____

Mean at Station, corrected, and at 32°, ... ____

Correction for height, ____ feet above Mean Sea Level, ... + ____

Mean, reduced to 32°, and Sea Level, ... ____

Highest Reading, corrected for Index error, on ____ th, ... ____

Lowest Do. Do., on ____ th, ... ____

Difference, or **Monthly Range,** ..... ____

Observations made and Return verified by ____

(*Signed*) ____

SELF-REGISTERING THERMOMETERS.

Highest in Month, on ____ th, ... ____

Lowest in Month, on ____ th, ... ____

Difference, or **Monthly Range,** ..... ____

Mean of all the Highest, ... ____

Mean of all the Lowest, ... ____

Difference, or **Mean Daily Range,** ..... ____

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ... ____

Min. on Grass, Lowest in Month, ... ____

,, ,, Mean, ... ____

Black Bulb, Max. in Sun, Highest in Month, ... ____

ADDITIONAL REMARKS.

Feby. 15. 6.30 am. 28·848 inches
,, 17. 6.30 am. 28·701 ,,
,, 17. Noon 28·572 ,,
,, 18. 6.30 am. 28·708 ,,
,, 19. 5 pm. 28·661 ,,
,, 20. 5 pm. 28·442 ,,
,, 20. 6 pm. 28·372 ,,
,, 20. 7 pm. 28·349 ,,

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, ... ____

Wet Bulb, Mean of A.M. and P.M. Readings, ... ____

Computed **Temperature of Dew-Point,** ..... ____

Do. **Elastic Force of Vapour,** ..... ____

Do. **Relative Humidity** (Saturation = 100), ... ____

RAIN fell on ____ **Days; Amount in Inches,** ____

WIND.	SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.										
P.M.										
Sum.										

* If Observations are taken at 9 A.M. only, the reading of the **Maximum** thermometer must be entered to the *previous day*.

† **Rain** to be measured at 9 A.M. and the amount entered to the *previous day*.

WEATHER SUMMARY.

Number of Days of Precipitation, ... ____

Snow, ... ____

Hail, ... ____

Thunder, ... ____

Clear Sky, ... ____

Overcast, ... ____

Fog, ... ____

Ground Frost, ... ____

Gale, ... ____

INSTRUMENTS IN USE.

Barometer, No. ____

Dry Bulb, No. ____

Wet Bulb, No. ____

Maximum, No. ____

Minimum, No. ____

Solar Radiation, No. ____

Grass Min., No. ____

Sun Recorder, No. ____

1-foot Therm., No. ____

4-foot Therm., No. ____

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Leith, County of Edinburgh, During the MONTH of March 1910.

Lat. 55°59'N Long. 3°10'W. Height of Cistern of the Barometer above Mean Sea Level 55 feet, above Ground 3 feet. Diameter of Rain Gauge ins.

Height of Gauge above Mean Sea Level feet. Height of Rim of Gauge above Ground ins.

Date.	BAROMETER. corr.ᵈ red. to 32° and sea-level. 9 A.M. Barometer.	9 A.M. Attached Thermometer	9 P.M. Barometer.	9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	9 A.M. 12 ins.	9 A.M. 48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. *Mention the hour at which Storms, including Thunder and Lightning, began and ended.*	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											°	°	°				
1			29.749																										Fine; sunny till aft. 1 p.m., then cloudy; li. shs. at 5.30 p.m.	1
2			29.844																										Cloudy; fred. r. till 1 p.m.; sunny intvs. after 3 p.m.; evening g. at times.	2
3			30.078																										Fine; frq. sunshine.	3
4			29.996																										Fine; sunny at times dur. forenoon.	4
5			29.966																										Fine; mostly sunny.	5
6			29.855																										Fine; mostly cloudy; occas. sunshine.	6
7			29.916																										R. (6 ins.) at times bet. 6.15 & 10.30 a.m.; very showery at abt. noon; occas. sunshine after 1 p.m.	7
8			29.556																										Fine; mostly sunny till abt. 1 p.m., then cloudy; showery after 4 p.m.	8
9			29.396																										Cloudy; showery; nearly r. after 5 p.m.	9
10			29.492																										R. shs. till 7 a.m.; sunny till 2 p.m.; then c.	10
11			30.068																										Freq. r. previous night; day fine, mostly sunny; clear.	11
12			30.106																										Fine; sunny at times; clear.	12
13			29.972																										Fine; c till 1.15 p.m., then mostly sunny.	13
14			29.966																										Cloudy; d. shs. after 1 p.m.	14
15			30.054																										Fine; mostly sunny.	15
16			29.547																										R.; frq. sunshine; a few ✻	16
17			29.730																										R. with occas. sunshine; r. shs. dur. afternoon, with li. h. at 1.15 and 3.30 p.m.	17
18			30.056																										S. shs. bet. 1 and 2 a.m. and sli. S. aft. 11 a.m.; sunny at times.	18
19			30.004																										Fine; mostly cloudy; sunny intvs. dur. afternoon.	19
20			30.046																										Fine; mostly sunny.	20
21			30.292																										Fine, except protracted sh. at 9.45 a.m.; mostly sunny.	21
22			30.476																										Morning, thick ✻; day fine, sunny; evening cloudy.	22
23			30.471																										Cloudy, hazy; mostly sunny after 2.45 p.m.	23
24			30.441																										Fine, frq. sunshine.	24
25			30.394																										Cloudy.	25
26			30.169																										Fine; mostly sunny after 11.30 a.m.	26
27			30.140																										Fine, cloudy; short sunny intvs. after 4.40 p.m.	27
28			30.434																										Fine; sunny.	28
29			30.504																										Morning, thick ✻; day fine, sunny.	29
30			30.534																										Fine; sunny after 10 a.m.	30
31			30.574																										Cloudy; hazy.	31
Sums.																														
Means.																														
Instrumental Errors.																														
Corrected Means.																														

WEATHER NOTATION.

a.	*denotes* aurora.	m.	*denotes* mist.
b.	,, blue sky, cloudless.	p.	,, passing showers.
bc.	,, blue sky with detached clouds.	q.	,, squally.
c.	,, sky mainly cloudy, but with openings between the clouds.	r.	,, continuous rain.
		s.	,, snow.
o.	,, completely overcast.	so. ha.	,, solar halo.
d.	,, drizzling rain.	t.	,, thunder.
e.	,, wet air, without rain falling.	t. s.	,, thunder-storm.
f.	,, fog.	u.	,, ugly, threatening appearance.
fe.	,, wet fog.		
g.	,, gloomy.	v.	,, unusual visibility of distant objects.
h.	,, hail.		
l.	,, lightning.	w.	,, dew.
lu. co.	,, lunar corona.	x.	,, hoar frost.
lu. ha.	,, lunar halo.	z.	,, dust haze.

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0—12).

FORCE.		FORCE.		FORCE.	
0	Calm.	5	Fresh Breeze.	9	Strong Gale.
1	Light Air.	6	Strong Breeze.	10	Whole Gale.
2	Slight Breeze.	7	High Wind.	11	Storm.
3	Gentle Breeze.	8	Gale.	12	Hurricane.
4	Moderate Breeze.				

BAROMETER.

Corrected Mean at 9 A.M., *minus* Correction for Temp. .....—..... =

Corrected Mean at 9 P.M., *minus* Correction for Temp. .....—..... =

Mean at Station, corrected, and at 32°, ...

Correction for height, feet above Mean Sea Level,... +

Mean, reduced to 32°, and Sea Level, ...

Highest Reading, corrected for Index error, on th,.....

Lowest Do. Do., on th,.....

Difference, or **Monthly Range,** .....

Observations made and Return verified by .....

(*Signed*) .....

SELF-REGISTERING THERMOMETERS.

Highest in Month, on th, ...

Lowest in Month, on th, ...

Difference, or **Monthly Range,** .....

Mean of all the Highest, ...

Mean of all the Lowest, ...

Difference, or **Mean Daily Range,** .....

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ...

Min. on Grass, Lowest in Month, ...

,, ,, Mean, ...

Black Bulb, Max. in Sun, Highest in Month, ...

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, ...

Wet Bulb, Mean of A.M. and P.M. Readings, ...

Computed **Temperature of Dew-Point,** .....

Do. **Elastic Force of Vapour,** .....

Do. **Relative Humidity** (Saturation = 100),...

RAIN fell on Days; Amount in Inches,

WIND.	SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.										
P.M.										
Sum.										

* If Observations are taken at 9 A.M. only, the reading of the **Maximum** thermometer must be entered to the *previous day*.

† **Rain** to be measured at 9 A.M. and the amount entered to the *previous day*.

WEATHER SUMMARY.

Number of Days of Precipitation, ...

Snow, ...

Hail, ...

Thunder, ...

Clear Sky, ...

Overcast, ...

Fog, ...

Ground Frost, ...

Gale, ...

INSTRUMENTS IN USE.

Barometer, No.

Dry Bulb, No.

Wet Bulb, No.

Maximum, No.

Minimum, No.

Solar Radiation, No.

Grass Min., No.

Sun Recorder, No.

1-foot Therm., No.

4-foot Therm., No.

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Leith, County of Edinburgh, During the MONTH of April 1910.

Lat. 55°59'N Long. 3°10'W. Height of Cistern of the Barometer above Mean Sea Level 55 feet, above Ground 3 feet. Diameter of Rain Gauge ____ ins.

Height of Gauge above Mean Sea Level ____ feet. Height of Rim of Gauge above Ground ____ ins.

Date.	BAROMETER. corr'd to 32° & sea-level. 9 A.M. Barometer.	9 A.M. Attached Thermometer	9 P.M. Barometer.	9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	9 A.M. 12 ins.	9 A.M. 48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. *Mention the hour at which Storms, including Thunder and Lightning, began and ended.*	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											°	°					
1			30·375																					~~7ma~~					Fine; sunny at times; hazy; thick ✕ in the morning	1
2			30·000																										Fine, sunny.	2
3			29·888																										Cloudy, with li. sho. bet. 6 & 8 a.m.; mostly sunny after 3 p.m.	3
4			29·854																										Fine; frequent sunshine.	4
5			29·891																										O.; freq. li. sho. after 8 a.m.	5
6			30·155																										Cloudy, with occas. sunshine.	6
7			30·210																										Fine; mostly sunny after 10 a.m.	7
8			30·053																										Fine, sunny; evening hazy.	8
9			30·031																										O.; nearly cont. r. bet. 5 & 10 a.m. & 2 p.m.; sunny intvs. after 3·30 p.m.	9
10			29·830																										Sho. early morning; day fine, sunny at times.	10
11			29·479																										Fine; cloudy with occas. sunshine; gusty.	11
12			29·170																										O.; d. chiefly after 7.30 a.m.	12
13			28·906																										O.; r. till 8.30 a.m. and again after 11 a.m.	13
14			29·280																										A. fro. night; day fine, mostly sunny.	14
15			29·437																										C.; sli. sho. between 8 & 9 p.m.; clear.	15
16			29·606																										O.; r.	16
17			29·867																										C.; r. till 8 a.m. [q. after 1 p.m.	17
18			29·558																										Changeable; brisk r. bet. 5.30 & 8 a.m. freq. sho. with sunny intvs. later;	18
19			30·074																										A. early morning; day fine, sunny.	19
20			29·931																										O.; r. bet. 11.30 a.m. & 3.30 p.m.; sli. sunshine after 4 p.m.	20
21			30·033																										Fine; sunny; clear; evening cloudy.	21
22			30·078																										Cloudy.	22
23			29·188																										Changeable; freq. brisk sho. esp. by sunny intvs.; mostly q.	23
24			28·991																										C. with occas. sunshine; a few brisk sho.	24
25			29·325																										Mostly fine; freq. sunshine; r. sho. at 10 a.m. & b. showers bet. 11.30 a.m.	25
26			29·744																										Fine, sunny.	26
27			29·720																										Fine; morning bright sunshine; day sunny at times.	27
28			30·614																										Fine except brisk sho. at 4.30 & 6.45 a.m. & 2.30 p.m.; sunny at times.	28
29			30·058																										Fine; mostly sunny.	29
30			30·302																										Fine; cloudy till abt. 2 p.m. then mostly sunny.	30
31																														31
Sums.			13 13 11 / 22·585																						13th. 6 a.m. 28·773 / 7th. 8 a.m. 28·056 / 1 p.m. 28·907						
Means.			29·753																											
Instrumental Errors.																														
Corrected Means.																														

WEATHER NOTATION.

a.	*denotes* aurora.	m.	*denotes* mist.
b.	,, blue sky, cloudless.	p.	,, passing showers.
bc.	,, blue sky with detached clouds.	q.	,, squally.
c.	,, sky mainly cloudy, but with openings between the clouds.	r.	,, continuous rain.
		s.	,, snow.
o.	,, completely overcast.	so. ha.	,, solar halo.
d.	,, drizzling rain.	t.	,, thunder.
e.	,, wet air, without rain falling.	t. s.	,, thunder-storm.
f.	,, fog.	u.	,, ugly, threatening appearance.
fe.	,, wet fog.		
g.	,, gloomy.	v.	,, unusual visibility of distant objects.
h.	,, hail.		
l.	,, lightning.	w.	,, dew.
lu. co.	,, lunar corona.	x.	,, hoar frost.
lu. ha.	,, lunar halo.	z.	,, dust haze.

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0—12).

FORCE.		FORCE.		FORCE.	
0	Calm.	5	Fresh Breeze.	9	Strong Gale.
1	Light Air.	6	Strong Breeze.	10	Whole Gale.
2	Slight Breeze.	7	High Wind.	11	Storm.
3	Gentle Breeze.	8	Gale.	12	Hurricane.
4	Moderate Breeze.				

BAROMETER.

Corrected Mean at 9 A.M., *minus* Correction for Temp. ..... — ..... ____

Corrected Mean at 9 P.M., *minus* Correction for Temp. ..... — ..... ____

Mean at Station, corrected, and at 32°, ... ____

Correction for height, feet above Mean Sea Level, ... + ____

Mean, reduced to 32°, and Sea Level, ... ____

Highest Reading, corrected for Index error, on th, ... ____

Lowest Do. Do., on th, ... ____

Difference, or **Monthly Range**, ... ____

SELF-REGISTERING THERMOMETERS.

Highest in Month, on th, ... ____

Lowest in Month, on th, ... ____

Difference, or **Monthly Range**, ... ____

Mean of all the Highest, ... ____

Mean of all the Lowest, ... ____

Difference, or **Mean Daily Range**, ... ____

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ... ____

Min. on Grass, Lowest in Month, ... ____

,, ,, Mean, ... ____

Black Bulb, Max. in Sun, Highest in Month, ... ____

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, ... ____

Wet Bulb, Mean of A.M. and P.M. Readings, ... ____

Computed **Temperature of Dew-Point**, ... ____

Do. **Elastic Force of Vapour**, ... ____

Do. **Relative Humidity** (Saturation = 100), ... ____

RAIN fell on Days; Amount in Inches, ____

WIND.	SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.										
P.M.										
Sum.										

* If Observations are taken at 9 A.M. only, the reading of the **Maximum** thermometer must be entered to the *previous day*.

† **Rain** to be measured at 9 A.M. and the amount entered to the *previous day*.

WEATHER SUMMARY.

Number of Days of Precipitation, ... ____

Snow, ... ____

Hail, ... ____

Thunder, ... ____

Clear Sky, ... ____

Overcast, ... ____

Fog, ... ____

Ground Frost, ... ____

Gale, ... ____

INSTRUMENTS IN USE.

Barometer, No. ____

Dry Bulb, No. ____

Wet Bulb, No. ____

Maximum, No. ____

Minimum, No. ____

Solar Radiation, No. ____

Grass Min., No. ____

Sun Recorder, No. ____

1-foot Therm., No. ____

4-foot Therm., No. ____

Observations made and Return verified by ____

(*Signed*) ____

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

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BOOK POST

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Leith, County of Edinburgh, During the MONTH of May 1910.

Lat. 55° 59′ N Long. 3° 10′ W. Height of Cistern of the Barometer above Mean Sea Level 55 feet, above Ground 3 feet. Diameter of Rain Gauge _____ ins.

Height of Gauge above Mean Sea Level _____ feet. Height of Rim of Gauge above Ground _____ ins.

Date.	BAROMETER. corr. & red. to 32° & sea-level. 9 A.M. Barometer.	9 A.M. Attached Thermometer	9 P.M. Barometer.	9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	9 A.M. 12 ins.	9 A.M. 48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. *Mention the hour at which Storms, including Thunder and Lightning, began and ended.*	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											°	°	°				
1			30·194																										Fine; c. with occas. sunshine; a few very sli. shs.	1
2			30·202																										Fine; mostly sunny.	2
3			29·738																										C.; la. r. chiefly bet. 10 a.m. & 1 p.m.; sunny at times dur. afternoon.	3
4			29·750																										Fine; sunny.	4
5			29·289																										C. with brisk shs. bet. 7.30 & 9.30 a.m.; freq. sunshine after 10.30 a.m.	5
6			29·194																										Changeable; freq. brisk r. shs. aft. 9 a.m. with h. at 0.30 p.m. & 4 p.m.; bright sunshine at times	6
7			29·476																										Freq. sunshine; r. shs. at 2.35 p.m. & brisk hail shs. at 4.30 p.m.	7
8			29·717																										R. bet. 4.45 & 7.30 a.m.; day fine; bright sunshine dur. afternoon.	8
9			29·845																										Morning R.; day fine, sunny; heavy r. at times bet. 5.15 & 6.15 p.m., with sl. th. at 5.30 p.m.	9
10			30·147																										Fine, sunny; sli. shs. at 5.20 p.m.	10
11			30·263																										Fine, sunny.	11
12			29·947																										O.; brisk r. bet. 6.30 & 9.30 a.m. and freq. d. during day.	12
13			30·031																										O.; thick overhanging haze chiefly.	13
14			30·040																										C.; d. shs. till 7.30 a.m.; mostly sunny after 11 a.m.	14
15			29·877																										C. till abt 1 p.m., then mostly sunny; brisk th. at 0.30 p.m. & p. after 5 p.m.	15
16			29·959																										C. with occas. sunshine abt. noon; a few sli. shs.	16
17			29·986																										O.; r. at and about 4 a.m. and occas. sli. d. during day.	17
18			29·742																										O.; thick & mild d. aft. 6.30 a.m.; brisk r. after 3 p.m.	18
19			29·795																										Morning bright sunshine; thick overhanging h. aft. 8 a.m.; r. after 4.30 p.m.	19
20			29·888																										Overhanging h. till abt. noon; sunny at times after 1.30 p.m.	20
21			30·102																										C.; hazy; sli. shs. after 8 p.m.	21
22			30·176																										C. hazy till about noon; bright sunshine during afternoon.	22
23			30·314																										Fine; C. till 3 p.m., then sunny; evening again C.	23
24			30·394																										Fine; C. till about 4 p.m. then mostly sunny.	24
25			30·307																										Fine, sunny; mostly cloudless.	25
26			30·127																										Fine; C. with sunny intervals.	26
27			29·932																										Fine; freq. sunshine, especially dur. afternoon; evening cloudy.	27
28			29·771																										Morning C. with shs. bet. 7.30 & 9.30 a.m.; sunny after 1 p.m.	28
29			29·448																										C.; shs. aft. 0.30 p.m. (heavy at 1.45 p.m.); freq. sunshine later.	29
30			29·271																										O.; showery; sunny at times.	30
31			29·311																										Fine; mostly sunny.	31
Sums.																														
Means.																														
Instrumental Errors.																														
Corrected Means.																														

WEATHER NOTATION.

a.	*denotes* aurora.	m.	*denotes* mist.
b.	,, blue sky, cloudless.	p.	,, passing showers.
bc.	,, blue sky with detached clouds.	q.	,, squally.
c.	,, sky mainly cloudy, but with openings between the clouds.	r.	,, continuous rain.
		s.	,, snow.
o.	,, completely overcast.	so. ha.	,, solar halo.
d.	,, drizzling rain.	t.	,, thunder.
e.	,, wet air, without rain falling.	t. s.	,, thunder-storm.
f.	,, fog.	u.	,, ugly, threatening appearance.
fe.	,, wet fog.		
g.	,, gloomy.	v.	,, unusual visibility of distant objects.
h.	,, hail.		
l.	,, lightning.	w.	,, dew.
lu. co.	,, lunar corona.	x.	,, hoar frost.
lu. ha.	,, lunar halo.	z.	,, dust haze.

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0—12).

FORCE.		FORCE.		FORCE.	
0	Calm.	5	Fresh Breeze.	9	Strong Gale.
1	Light Air.	6	Strong Breeze.	10	Whole Gale.
2	Slight Breeze.	7	High Wind.	11	Storm.
3	Gentle Breeze.	8	Gale.	12	Hurricane.
4	Moderate Breeze.				

BAROMETER.

Corrected Mean at 9 A.M., *minus* Correction for Temp. ..... — ..... = _____

Corrected Mean at 9 P.M., *minus* Correction for Temp. ..... — ..... = _____

Mean at Station, corrected, and at 32°, ... _____

Correction for height, feet above Mean Sea Level, ... + _____

Mean, reduced to 32°, and Sea Level, ... _____

Highest Reading, corrected for Index error, on th, ... _____

Lowest Do. Do., on th, ... _____

Difference, or **Monthly Range**, ... _____

Observations made and Return verified by _____

(*Signed*) _____

SELF-REGISTERING THERMOMETERS.

Highest in Month, on th, ... _____

Lowest in Month, on th, ... _____

Difference, or **Monthly Range**, ... _____

Mean of all the Highest, ... _____

Mean of all the Lowest, ... _____

Difference, or **Mean Daily Range**, ... _____

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ... _____

Min. on Grass, Lowest in Month, ... _____

,, ,, Mean, ... _____

Black Bulb, Max. in Sun, Highest in Month, ... _____

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, ... _____

Wet Bulb, Mean of A.M. and P.M. Readings, ... _____

Computed **Temperature of Dew-Point**, ... _____

Do. **Elastic Force of Vapour**, ... _____

Do. **Relative Humidity** (Saturation = 100), ... _____

RAIN fell on **Days; Amount in Inches**, _____

WIND.	SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.										
P.M.										
Sum.										

* If Observations are taken at 9 A.M. only, the reading of the **Maximum** thermometer must be entered to the *previous day*.

† **Rain** to be measured at 9 A.M. and the amount entered to the *previous day*.

WEATHER SUMMARY.

Number of Days of Precipitation, ... _____

Snow, ... _____

Hail, ... _____

Thunder, ... _____

Clear Sky, ... _____

Overcast, ... _____

Fog, ... _____

Ground Frost, ... _____

Gale, ... _____

INSTRUMENTS IN USE.

Barometer, No. _____

Dry Bulb, No. _____

Wet Bulb, No. _____

Maximum, No. _____

Minimum, No. _____

Solar Radiation, No. _____

Grass Min., No. _____

Sun Recorder, No. _____

1-foot Therm., No. _____

4-foot Therm., No. _____

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Leith, County of Edinburgh, During the MONTH of June 1910.

Lat. 55° 59′ N Long. 3° 10′ W. Height of Cistern of the Barometer above Mean Sea Level 55 feet, above Ground 3 feet. Diameter of Rain Gauge ____ ins.

Height of Gauge above Mean Sea Level ____ feet. Height of Rim of Gauge above Ground ____ ins.

Date.	BAROMETER. corr.ᵈ red.ᵈ to 32° sea-level. 9 A.M. Barometer.	9 A.M. Attached Thermometer	9 P.M. Barometer.	9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	9 A.M. 12 ins.	9 A.M. 48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. *Mention the hour at which Storms, including Thunder and Lightning, began and ended.*	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.												°	°				
1			29.626																						Fine; freq. sunshine; poor the morning.	1
2			29.731																						C.; sho. bet. 11.10 a.m. & 2.15 p.m.; sunny after 4 p.m.	2
3			29.759																						Fine; sunny at times.	3
4			29.962																						C.; d. till 6 a.m.; sunny after 5 p.m.	4
5			30.177																						Fine; c. with occas. sunshine; clear.	5
6			30.291																						Fine; sunny; clear.	6
7			30.260																						Fine; bright sunshine.	7
8			30.067																						Fine, sunny; evening C.	8
9			29.894																						C.; brisk sho. bet. 10.15 a.m. & noon; freq. sunshine later.	9
10																														10
11																									See Rain Gauge Register.	11
12																														12
13			29.920																						Fine, except sho. early morning; freq. sunshine dur. afternoon	13
14			30.255																						Fine; mostly cloudy; slight sho. about 1 p.m.	14
15			30.342																						Fine; cloudy with occas. sunshine	15
16			30.348																						Fine; freq. sunshine.	16
17			30.374																						Fine; sunny.	17
18			30.342																						Fine; freq. bright sunshine. - Sq. ha. at 7.15 p.m.	18
19			30.325																						Fine; mostly cloudy; hazy at times.	19
20			29.996																						C.; v. bet. 6.50 and 8 a.m.; freq. sunshine dur. afternoon.	20
21			29.761																						C.; freq. sho.; T.S. with brisk rain bet. 0.50-10 p.m.; mostly sunny after 3.30 p.m.	21
22			29.729																						C. with sunny intvs.; T.S. bet. 11.55 a.m. & 1.8 p.m.; brisk sho. at 6.30 p.m. & 11 p.m.	22
23			29.718																						Fine, sunny at times; T.S. bet. 5.58 & 6.10 p.m., followed by light sho.	23
24			29.546																						C. with sunny intvs. dur. afternoon; morning & evening hazy.	24
25			29.628																						Fine; sunny at times dur. afternoon.	25
26			29.520																						C. with occas. sunshine; freq. brisk sho. after 3 p.m.; clear.	26
27			29.437																						Fine; sunny at times dur. afternoon.	27
28			29.300																						C. freq. rain bet. 3.45 a.m. & 1.30 p.m.; mostly sunny after 3 p.m.	28
29			29.375																						Fine; freq. bright sunshine.	29
30			29.485																						C, rain after 3.45 a.m. and bet. 3.10 and 5 p.m.	30
31																														31
Sums.																														
Means.																														
Instrumental Errors.																														
Corrected Means.																														

WEATHER NOTATION.

a.	*denotes* aurora.	m.	*denotes* mist.
b.	,, blue sky, cloudless.	p.	,, passing showers.
bc.	,, blue sky with detached clouds.	q.	,, squally.
c.	,, sky mainly cloudy, but with openings between the clouds.	r.	,, continuous rain.
		s.	,, snow.
o.	,, completely overcast.	so. ha.	,, solar halo.
d.	,, drizzling rain.	t.	,, thunder.
e.	,, wet air, without rain falling.	t. s.	,, thunder-storm.
f.	,, fog.	u.	,, ugly, threatening appearance.
fe.	,, wet fog.		
g.	,, gloomy.	v.	,, unusual visibility of distant objects.
h.	,, hail.		
l.	,, lightning.	w.	,, dew.
lu. co.	,, lunar corona.	x.	,, hoar frost.
lu. ha.	,, lunar halo.	z.	,, dust haze.

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0—12).

FORCE.		FORCE.		FORCE.	
0	Calm.	5	Fresh Breeze.	9	Strong Gale.
1	Light Air.	6	Strong Breeze.	10	Whole Gale.
2	Slight Breeze.	7	High Wind.	11	Storm.
3	Gentle Breeze.	8	Gale.	12	Hurricane.
4	Moderate Breeze.				

BAROMETER.

Corrected Mean at 9 A.M., *minus* Correction for Temp. ..... — ..... = ____

Corrected Mean at 9 P.M., *minus* Correction for Temp. ..... — ..... = ____

Mean at Station, corrected, and at 32°, ... ____

Correction for height, ____ feet above Mean Sea Level,... + ____

Mean, reduced to 32°, and Sea Level, ... ____

Highest Reading, corrected for Index error, on ____ th,..... ____

Lowest Do. Do., on ____ th,..... ____

Difference, or **Monthly Range,** ..... ____

Observations made and Return verified by ____

(*Signed*) ____

SELF-REGISTERING THERMOMETERS.

Highest in Month, on ____ th, ... ____

Lowest in Month, on ____ th, ... ____

Difference, or **Monthly Range,** ..... ____

Mean of all the Highest, ... ____

Mean of all the Lowest, ... ____

Difference, or **Mean Daily Range,** ..... ____

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ... ____

Min. on Grass, Lowest in Month, ... ____

,, ,, Mean, ... ____

Black Bulb, Max. in Sun, Highest in Month, ... ____

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, ... ____

Wet Bulb, Mean of A.M. and P.M. Readings, ... ____

Computed **Temperature of Dew-Point,** ..... ____

Do. **Elastic Force of Vapour,** ..... ____

Do. **Relative Humidity** (Saturation = 100),... ____

RAIN fell on ____ Days; Amount in Inches, ____

WIND.	SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.										
P.M.										
Sum.										

* If Observations are taken at 9 A.M. only, the reading of the **Maximum** thermometer must be entered to the *previous day*.

† **Rain** to be measured at 9 A.M. and the amount entered to the *previous day*.

WEATHER SUMMARY.

Number of Days of Precipitation, ... ____

Snow, ... ____

Hail, ... ____

Thunder, ... ____

Clear Sky, ... ____

Overcast, ... ____

Fog, ... ____

Ground Frost, ... ____

Gale, ... ____

INSTRUMENTS IN USE.

Barometer, No. ____

Dry Bulb, No. ____

Wet Bulb, No. ____

Maximum, No. ____

Minimum, No. ____

Solar Radiation, No. ____

Grass Min., No. ____

Sun Recorder, No. ____

1-foot Therm., No. ____

4-foot Therm., No. ____

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

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SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Leith, County of Edinburgh, During the MONTH of July 1910.

Lat. 55° 59' N Long. 3° 10' W. Height of Cistern of the Barometer above Mean Sea Level 55 feet, above Ground 3 feet. Diameter of Rain Gauge ____ ins.

Height of Gauge above Mean Sea Level ____ feet. Height of Rim of Gauge above Ground ____ ins.

Date.	BAROMETER. corr.+red. to 32°+sea-level. 9 A.M. Barometer.	9 A.M. Attached Thermometer	9 P.M. Barometer.	9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	12 ins.	48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. *Mention the hour at which Storms, including Thunder and Lightning, began and ended.*	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											Hours.	°	°	°				
1			29.462																						Fine, except brisk shs. at 0.30 p.m. & 1.30 p.m.; freq. sunshine	1
2			29.572																						Fine; mostly sunny; p. at 4.15 p.m.	2
3			29.867																						Fine, except prolonged sh. at 0.30 p.m.; mostly sunny; clear.	3
4			30.038																						Fine, sunny till abt. 3 p.m. then dull; brisk shs. after 5.30 p.m.	4
5			29.834																						C.; hazy; li. rain chiefly after 5 p.m.	5
6			29.920																						O.; brisk rain till 9 a.m. & freq. shs. during day.	6
7			30.079																						Fine; mostly sunny after 10 a.m.	7
8			30.146																						Fine; sunny.	8
9			30.074																						Fine; clear; sunny.	9
10			30.055																						Fine, sunny; almost cloudless; clear.	10
11			30.090																						Fine; cloudy early morning; day mostly cloudless.	11
12			30.176																						Overhang. sky hazy till 6.45 p.m., then sunny.	12
13			30.219																						Morning overhanging haze; sunny after 1 p.m.	13
14			30.173																						Overhanging haze till 9 a.m., then sunny; dull, hazy after 5 p.m.	14
15			30.082																						Cloudy; sh. till 6 a.m. & a few drops sh. during day.	15
16			30.119																						C.; a few spots rain occasionally; clear.	16
17			30.118																						Fine; mostly sunny after 1.15 p.m.; clear.	17
18			30.069																						Fine; freq. sunshine after 10 a.m.; clear.	18
19			29.941																						C.; hazy at times.	19
20			29.536																						C.; brisk rain after 10.15 a.m. – Faint so. ha. at 6.35 a.m.	20
21			29.400																						R. bet. 3 a.m. and 9 a.m.; mostly sunny after 9.15 a.m.	21
22			29.439																						C.; freq. heavy shs.; sunny at times.	22
23			29.925																						C.; showery; sunny at times.	23
24			29.403																						C.; frequent rain after 10.45 a.m.	24
25			29.325																						C, with occas. light sunshine; frequent brisk showers.	25
26			29.816																						R, (heavy at times) till 8.15 a.m., then fine; sunny at times.	26
27			29.734																						R. bet. 9.15 a.m. & 0.15 p.m.; mostly sunny after 3 p.m.	27
28			29.534																						Fine, sunny till abt. 9.30 a.m., then cloudy; brisk shs. after 1.15 p.m.	28
29			29.563																						Cloudy, showery, with heavy rain at 11.15 a.m.; fine sunny after 3 p.m.	29
30			29.601																						C.; fl after 8.40 a.m.	30
31			29.713																						Fine, except brisk sh. at 7.50 & 5 p.m.; freq. sunshine duv. afternoon	31
Sums.																														
Means.																														
Instrumental Errors.																														
Corrected Means.																														

WEATHER NOTATION.

a.	*denotes* aurora.	m.	*denotes* mist.
b.	,, blue sky, cloudless.	p.	,, passing showers.
bc.	,, blue sky with detached clouds.	q.	,, squally.
c.	,, sky mainly cloudy, but with openings between the clouds.	r.	,, continuous rain.
		s.	,, snow.
o.	,, completely overcast.	so. ha.	,, solar halo.
d.	,, drizzling rain.	t.	,, thunder.
e.	,, wet air, without rain falling.	t. s.	,, thunder-storm.
f.	,, fog.	u.	,, ugly, threatening appearance.
fe.	,, wet fog.		
g.	,, gloomy.	v.	,, unusual visibility of distant objects.
h.	,, hail.		
l.	,, lightning.	w.	,, dew.
lu. co.	,, lunar corona.	x.	,, hoar frost.
lu. ha.	,, lunar halo.	z.	,, dust haze.

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0—12).

FORCE.		FORCE.		FORCE.	
0	Calm.	5	Fresh Breeze.	9	Strong Gale.
1	Light Air.	6	Strong Breeze.	10	Whole Gale.
2	Slight Breeze.	7	High Wind.	11	Storm.
3	Gentle Breeze.	8	Gale.	12	Hurricane.
4	Moderate Breeze.				

BAROMETER.

Corrected Mean at 9 A.M., *minus* Correction for Temp. ..... — ..... = ____

Corrected Mean at 9 P.M., *minus* Correction for Temp. ..... — ..... = ____

Mean at Station, corrected, and at 32°, ... ____

Correction for height, ____ feet above Mean Sea Level,... + ____

Mean, reduced to 32°, and Sea Level, ... ____

Highest Reading, corrected for Index error, on ____ th,..... ____

Lowest Do. Do., on ____ th,..... ____

Difference, or **Monthly Range,** ..... ____

SELF-REGISTERING THERMOMETERS.

Highest in Month, on ____ th, ... ____

Lowest in Month, on ____ th, ... ____

Difference, or **Monthly Range,** ..... ____

Mean of all the Highest, ... ____

Mean of all the Lowest, ... ____

Difference, or **Mean Daily Range,** ..... ____

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ... ____

Min. on Grass, Lowest in Month, ... ____

,, ,, Mean, ... ____

Black Bulb, Max. in Sun, Highest in Month, ... ____

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, ... ____

Wet Bulb, Mean of A.M. and P.M. Readings, ... ____

Computed **Temperature of Dew-Point,** ..... ____

Do. **Elastic Force of Vapour,** ..... ____

Do. **Relative Humidity** (Saturation = 100),... ____

RAIN fell on ____ **Days; Amount in Inches,** ____

WIND.	SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.										
P.M.										
Sum.										

* If Observations are taken at 9 A.M. only, the reading of the **Maximum** thermometer must be entered to the *previous day*.

† **Rain** to be measured at 9 A.M. and the amount entered to the *previous day*.

WEATHER SUMMARY.

Number of Days of Precipitation, ... ____

Snow, ... ____

Hail, ... ____

Thunder, ... ____

Clear Sky, ... ____

Overcast, ... ____

Fog, ... ____

Ground Frost, ... ____

Gale, ... ____

INSTRUMENTS IN USE.

Barometer, No. ____

Dry Bulb, No. ____

Wet Bulb, No. ____

Maximum, No. ____

Minimum, No. ____

Solar Radiation, No. ____

Grass Min., No. ____

Sun Recorder, No. ____

1-foot Therm., No. ____

4-foot Therm., No. ____

Observations made and Return verified by ____

(*Signed*) ____

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

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BOOK POST

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Leith, County of Edinburgh, During the MONTH of August 1910.

Lat. 55°54′ N. Long. 3°10′ W. Height of Cistern of the Barometer above Mean Sea Level 55 feet, above Ground 3 feet. Diameter of Rain Gauge _____ ins.

Height of Gauge above Mean Sea Level _____ feet. Height of Rim of Gauge above Ground _____ ins.

Date.	BAROMETER. corr. + red. to 32° + sea-level. 9 A.M. Barometer.	9 A.M. Attached Thermometer.	9 P.M. Barometer.	9 P.M. Attached Thermometer.	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	9 A.M. 12 ins.	9 A.M. 48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. *Mention the hour at which Storms, including Thunder and Lightning, began and ended.*	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											°	°	°				
1			29.800																										Fine; freq. sunshine; li. sho. after 4.45 p.m.; evening hazy.	1
2			29.566																										C.; sho. bet. 0.50 p.m. and 3 p.m.	2
3			29.608																										Fine; bright sunshine at times.	3
4			29.690																										Mostly sunny; brief sh. afternoon & p., with freq. dist. T. duv. afternoon	4
5			29.742																										Fine; frequent sunshine.	5
6			29.869																										C.; freq. d. to moderate rain.	6
7	29.951		29.965																										Rain prev. night; day fine C.; bright sunshine bet. 1.30 & 3 p.m.; clear.	7
8			29.981																										Fine; mostly sunny after 10.20 a.m.	8
9			30.134																										Fine; c. till 1.40 p.m. then sunny; evening thick overhanging haze.	9
10			30.110																										Fine; c. hazy till aft. 10.30 a.m. then sunny.	10
11			29.964																										C.; hazy; occas. brief sunshine after 1.30 p.m.	11
12			29.843																										Heavy rain prev. night; day fine; mostly sunny after 10 a.m.	12
13			30.024																										Fine; mostly sunny; evening C.	13
14	30.015		29.848																										Fine; sunny at times.	14
15			29.773																										Heavy rain bet. 4.45 & 8 a.m. & p. till 9 a.m.; freq. sunshine after 9.45 a.m.	15
16			29.888																										Sho. prev. night; mostly sunny dur. forenoon; li. sho. afternoon & evg. - Sl. ha. at 9 a.m.	16
17			29.739																										Changeable; several heavy sho. especially at 5.40 a.m., 1.10 and 3.30 p.m.; freq. sunshine.	17
18			29.518																										C.; showery after 1.45 p.m.	18
19			29.612																										C.; sho. till about 7 p.m.; sunny at times after 2.30 p.m.	19
20			29.569																										C.; sho. after 4.15 p.m.	20
21	29.639		29.909																										C.; frequent rain	21
22			29.956																										Fine, C. with sl. sunshine abt. 10.15 a.m. and occasionally dur. afternoon.	22
23			29.807																										Fine, sunny at times till abt. noon, then C.; rain bet. 3.45 and 5.15 p.m.	23
24			29.782																										C.; r. (heavy at times) bet. 10.30 a.m. & 4.30 p.m.; T. & L. at 0.7 p.m. & dist. T. bet. 1.14 & 1.30 p.m.	24
25			29.698																										C. with occas. sunshine forenoon; brisk rain at times bet. 1.15 & 2.30 p.m. and again after 4.15 p.m.	25
26			29.151																										C. brisk sho. bet. 9.15 a.m. and 1 p.m., then mostly sunny.	26
27			29.601																										C. with occas. sunshine; sho. till 6.45 a.m.; equally.	27
28	29.526		29.478																										C.; freq. rain bet. 6 and 8.30 a.m. and after 5.15 p.m.	28
29			29.476																										C. with heavy sho. till 6.30 a.m.; fine, sunny at times dur. day.; C. rain after 8.15 p.m.	29
30			29.782																										Fine except sho. bet. noon & 1 p.m.; short intvs. of sunshine; g. after 7 p.m.	30
31			30.184																										Fine; mostly sunny.	31
Sums.			30.1514 / 24.057																					26 h. 10 p.m. / 27 h. 0 a.m.	29.153 / 29.271					
Means.																														
Instrumental Errors.																														
Corrected Means.																														

WEATHER NOTATION.

a.	*denotes* aurora.	m.	*denotes* mist.
b.	,, blue sky, cloudless.	p.	,, passing showers.
bc.	,, blue sky with detached clouds.	q.	,, squally.
c.	,, sky mainly cloudy, but with openings between the clouds.	r.	,, continuous rain.
		s.	,, snow.
o.	,, completely overcast.	so. ha.	,, solar halo.
d.	,, drizzling rain.	t.	,, thunder.
e.	,, wet air, without rain falling.	t. s.	,, thunder-storm.
f.	,, fog.	u.	,, ugly, threatening appearance.
fe.	,, wet fog.		
g.	,, gloomy.	v.	,, unusual visibility of distant objects.
h.	,, hail.		
l.	,, lightning.	w.	,, dew.
lu. co.	,, lunar corona.	x.	,, hoar frost.
lu. ha.	,, lunar halo.	z.	,, dust haze.

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0—12).

FORCE.		FORCE.		FORCE.	
0	Calm.	5	Fresh Breeze.	9	Strong Gale.
1	Light Air.	6	Strong Breeze.	10	Whole Gale.
2	Slight Breeze.	7	High Wind.	11	Storm.
3	Gentle Breeze.	8	Gale.	12	Hurricane.
4	Moderate Breeze.				

BAROMETER.

Corrected Mean at 9 A.M., *minus* Correction for Temp. ..... — ..... = _____

Corrected Mean at 9 P.M., *minus* Correction for Temp. ..... — ..... = _____

Mean at Station, corrected, and at 32°, ... _____

Correction for height, _____ feet above Mean Sea Level, ... + _____

Mean, reduced to 32°, and Sea Level, ... _____

Highest Reading, corrected for Index error, on _____ th, ... _____

Lowest Do. Do., on _____ th, ... _____

Difference, or **Monthly Range,** ..... _____

SELF-REGISTERING THERMOMETERS.

Highest in Month, on _____ th, ... _____

Lowest in Month, on _____ th, ... _____

Difference, or **Monthly Range,** ..... _____

Mean of all the Highest, ... _____

Mean of all the Lowest, ... _____

Difference, or **Mean Daily Range,** ..... _____

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ... _____

Min. on Grass, Lowest in Month, ... _____

,, ,, Mean, ... _____

Black Bulb, Max. in Sun, Highest in Month, ... _____

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, ... _____

Wet Bulb, Mean of A.M. and P.M. Readings, ... _____

Computed **Temperature of Dew-Point,** ..... _____

Do. **Elastic Force of Vapour,** ..... _____

Do. **Relative Humidity** (Saturation = 100), ... _____

RAIN fell on _____ Days; Amount in Inches, _____

WIND.	SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.										
P.M.										
Sum.										

* If Observations are taken at 9 A.M. only, the reading of the **Maximum** thermometer must be entered to the *previous day*.

† **Rain** to be measured at 9 A.M. and the amount entered to the *previous day*.

WEATHER SUMMARY.

Number of Days of Precipitation, ... _____

Snow, ... _____

Hail, ... _____

Thunder, ... _____

Clear Sky, ... _____

Overcast, ... _____

Fog, ... _____

Ground Frost, ... _____

Gale, ... _____

INSTRUMENTS IN USE.

Barometer, No. _____

Dry Bulb, No. _____

Wet Bulb, No. _____

Maximum, No. _____

Minimum, No. _____

Solar Radiation, No. _____

Grass Min., No. _____

Sun Recorder, No. _____

1-foot Therm., No. _____

4-foot Therm., No. _____

Observations made and Return verified by _____

(*Signed*) _____

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Leith, County of Edinburgh, During the MONTH of September 1910.

Lat. 55°59'N Long. 3°10'W. Height of Cistern of the Barometer above Mean Sea Level 55 feet, above Ground 3 feet. Diameter of Rain Gauge ____ ins.

Height of Gauge above Mean Sea Level ____ feet. Height of Rim of Gauge above Ground ____ ins.

Date.	BAROMETER. corr.+ red. to 32°+ sea-level. 9 A.M. Barometer.	9 A.M. Attached Thermometer.	9 P.M. Barometer.	9 P.M. Attached Thermometer.	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	9 A.M. 12 ins.	9 A.M. 48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. *Mention the hour at which Storms, including Thunder and Lightning, began and ended.*	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.												°	°	°				
1			30·199																						Fine; c. with sunny intervals.						1
2			30·051																						0; rain bet. 4 & 4.5 a.m. & 1 p.m.; fine, sunny after 2.35 p.m.						2
3			30·161																						Fine, sunny; clear.						3
4			30·320																						Fine; bright sunshine; clear.						4
5			30·264																						Fine; sunny after 10 a.m.; clear.						5
6			30·360																						C, with occas. sl. sunshine dur. afternoon; rain prev. night & p. abt. 6.45 p.m.						6
7			30·369																						Fine; c, with occas. sl. sunshine after 2.30 p.m.						7
8			30·273																						Fine; mostly sunny after 8.30 a.m.						8
9																															9
10																									See Mr. Bolam's Register						10
11																															11
12																															12
13			30·326																						Fine; freq. sunshine; morning & evening C.						13
14			30·358																						Fine, sunny; evening C.						14
15			30·432																						Fine; c. till 1 p.m.; then sunny.						15
16			30·472																						Sunny; hazy; mostly cloudless sunny day.						16
17			30·433																						Morning, thick haze; day sunny; evening C.						17
18			30·107																						Cloudy; fine.						18
19			30·255																						Fine; freq. sunshine; clear; slight ♁. aft. 5 a.m.						19
20			30·315																						Fine; clear; sunny; morn. & evening hazy.						20
21			30·383																						Fine, sunny; mostly cloudless.						21
22			30·300																						Fine; C, with occas. sunshine.						22
23			30·106																						C; li. sho. aft. 8.30 a.m.; short sunny intvs. dur. afternoon; gusty.						23
24			30·236																						Fine; bright sunshine after 1 p.m.						24
25			30·110																						Cloudy; rather hazy.						25
26			29·852																						C.; a few sli. sho.; occas. brief sunshine after 1 p.m.						26
27			30·039																						Fine; sunny at times.						27
28			29·751																						C, li. to mod. rain bet. 9.45 a.m. and 1 p.m.; slight sho. later.						28
29			29·813																						Sho. bet. 6 & 9 a.m. then fine; freq. sunshine dur. afternoon.						29
30			30·034																						Fine; mostly sunny.						30
31																															31
Sums.																															
Means.																															
Instrumental Errors.																															
Corrected Means.																															

WEATHER NOTATION.

a.	*denotes* aurora.	m.	*denotes* mist.
b.	,, blue sky, cloudless.	p.	,, passing showers.
bc.	,, blue sky with detached clouds.	q.	,, squally.
c.	,, sky mainly cloudy, but with openings between the clouds.	r.	,, continuous rain.
		s.	,, snow.
o.	,, completely overcast.	so. ha.	,, solar halo.
d.	,, drizzling rain.	t.	,, thunder.
e.	,, wet air, without rain falling.	t. s.	,, thunder-storm.
f.	,, fog.	u.	,, ugly, threatening appearance.
fe.	,, wet fog.		
g.	,, gloomy.	v.	,, unusual visibility of distant objects.
h.	,, hail.		
l.	,, lightning.	w.	,, dew.
lu. co.	,, lunar corona.	x.	,, hoar frost.
lu. ha.	,, lunar halo.	z.	,, dust haze.

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0—12).

FORCE.		FORCE.		FORCE.	
0	Calm.	5	Fresh Breeze.	9	Strong Gale.
1	Light Air.	6	Strong Breeze.	10	Whole Gale.
2	Slight Breeze.	7	High Wind.	11	Storm.
3	Gentle Breeze.	8	Gale.	12	Hurricane.
4	Moderate Breeze.				

BAROMETER.

Corrected Mean at 9 A.M., *minus* Correction for Temp. ____ — ____ = ____

Corrected Mean at 9 P.M., *minus* Correction for Temp. ____ — ____ = ____

Mean at Station, corrected, and at 32°, ____

Correction for height, ____ feet above Mean Sea Level, ... + ____

Mean, reduced to 32°, and Sea Level, ____

Highest Reading, corrected for Index error, on ____ th, ____

Lowest Do. Do., on ____ th, ____

Difference, or **Monthly Range,** ____

Observations made and Return verified by ____

(*Signed*) ____

SELF-REGISTERING THERMOMETERS.

Highest in Month, on ____ th, ____

Lowest in Month, on ____ th, ____

Difference, or **Monthly Range,** ____

Mean of all the Highest, ____

Mean of all the Lowest, ____

Difference, or **Mean Daily Range,** ____

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ____

Min. on Grass, Lowest in Month, ____

,, ,, Mean, ____

Black Bulb, Max. in Sun, Highest in Month, ____

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, ____

Wet Bulb, Mean of A.M. and P.M. Readings, ____

Computed **Temperature of Dew-Point,** ____

Do. **Elastic Force of Vapour,** ____

Do. **Relative Humidity** (Saturation = 100), ____

RAIN fell on ____ **Days; Amount in Inches,** ____

WIND.	SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.										
P.M.										
Sum.										

* If Observations are taken at 9 A.M. only, the reading of the **Maximum** thermometer must be entered to the *previous day*.

† **Rain** to be measured at 9 A.M. and the amount entered to the *previous day*.

WEATHER SUMMARY.

Number of Days of Precipitation, ... ____

Snow, ____

Hail, ____

Thunder, ____

Clear Sky, ____

Overcast, ____

Fog, ____

Ground Frost, ____

Gale, ____

INSTRUMENTS IN USE.

Barometer, No. ____

Dry Bulb, No. ____

Wet Bulb, No. ____

Maximum, No. ____

Minimum, No. ____

Solar Radiation, No. ____

Grass Min., No. ____

Sun Recorder, No. ____

1-foot Therm., No. ____

4-foot Therm., No. ____

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

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SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Leith, County of Edinburgh, During the MONTH of October 1910.

Lat. 55°59'N Long. 3.10'W Height of Cistern of the Barometer above Mean Sea Level 55 feet, above Ground 3 feet. Diameter of Rain Gauge ____ ins.

Height of Gauge above Mean Sea Level ____ feet. Height of Rim of Gauge above Ground ____ ins.

Date.	BAROMETER. corr.+red. to 32°+sea-level. 9 A.M. Barometer.	9 A.M. Attached Thermometer	9 P.M. Barometer.	9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	9 A.M. 12 ins.	9 A.M. 48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. *Mention the hour at which Storms, including Thunder and Lightning, began and ended.*	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.												°	°	°				
1			29.874																						Fine; cloudy with occas. sunshine.	1
2			29.512																						Fine; freq. sunshine till abt. 10 a.m. then cloudy; shs. aft. 5.45 p.m.	2
3			30.098																						Changeable; showery; (thdr. sh. at 1.30 p.m.); occas. sunshine; g. at times.	3
4			30.358																						C.; gusty; a few li. p. after 7.30 a.m.	4
5			30.470																						Fine, sunny.	5
6			30.378																						Fine, sunny; rather hazy.	6
7			30.065																						C.; hazy; sunny intvs. dur. afternoon.	7
8			29.977																						Fine, sunny.	8
9			29.976																						Fine; mostly sunny; C. after 4 p.m.	9
10			29.827																						C.; hazy; damp at times.	10
11			29.675																						C.; showery.	11
12			30.215																						Fine; hazy till abt. 10 a.m.; mostly sunny after noon; clear.	12
13			30.689																						Fine; C., with freq. sunshine dur. afternoon; clear.	13
14			30.665																						Fine; mostly sunny after 1 p.m.; clear.	14
15			30.321																						Fine, sunny; clear.	15
16			30.127																						Fine; freq. sunshine; evening hazy.	16
17			29.971																						Fine, sunny after 11 a.m. Morning & evening thick haze.	17
18			29.603																						Morning thick haze; sunny intvs. bet. 9.30 & 10 a.m.; C. & r. after 6.30 p.m.	18
19			29.720																						C.; rain till 8 a.m.	19
20			29.806																						C.; rain after 2.30 p.m.	20
21			30.139																						Changeable; freq. shs.; sunny at times.	21
22			30.102																						C.; showery; occas. sunshine dur. afternoon.	22
23			30.031																						Mostly cloudy; r. bet. noon & 7 p.m.; sunny intvs. dur. forenoon & after 3.45 p.m.	23
24			30.009																						Mostly cloudy; shs. with occas. sunshine dur. afternoon.	24
25			30.175																						Fine; sunny at times; rather hazy.	25
26			30.208																						Fine; mostly cloudy.	26
27			30.064																						C.; shs. after 4.30 p.m.	27
28			29.938																						C.; li. shs. at and about 8 a.m.	28
29			30.080																						C., with occas. sunshine; frequent li. shs.	29
30			30.092																						Mostly C.; light shs. about 7 a.m.; clear.	30
31			28.809																						O.; freq. shs. after 6.30 p.m., & heavy shs. after 8 p.m.; very g.; T. & L. bet. 7.45 & 7.55 p.m.	31
Sums.																														
Means.																														
Instrumental Errors.																														
Corrected Means.																														

WEATHER NOTATION.

a.	*denotes* aurora.	m.	*denotes* mist.
b.	,, blue sky, cloudless.	p.	,, passing showers.
bc.	,, blue sky with detached clouds.	q.	,, squally.
c.	,, sky mainly cloudy, but with openings between the clouds.	r.	,, continuous rain.
		s.	,, snow.
o.	,, completely overcast.	so. ha.	,, solar halo.
d.	,, drizzling rain.	t.	,, thunder.
e.	,, wet air, without rain falling.	t. s.	,, thunder-storm.
f.	,, fog.	u.	,, ugly, threatening appearance.
fe.	,, wet fog.		
g.	,, gloomy.	v.	,, unusual visibility of distant objects.
h.	,, hail.		
l.	,, lightning.	w.	,, dew.
lu. co.	,, lunar corona.	x.	,, hoar frost.
lu. ha.	,, lunar halo.	z.	,, dust haze.

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0—12).

FORCE.		FORCE.		FORCE.	
0	Calm.	5	Fresh Breeze.	9	Strong Gale.
1	Light Air.	6	Strong Breeze.	10	Whole Gale.
2	Slight Breeze.	7	High Wind.	11	Storm.
3	Gentle Breeze.	8	Gale.	12	Hurricane.
4	Moderate Breeze.				

BAROMETER.

Corrected Mean at 9 A.M., *minus* Correction for Temp. ..... —..... = ____

Corrected Mean at 9 P.M., *minus* Correction for Temp. ..... —..... = ____

Mean at Station, corrected, and at 32°, ... ____

Correction for height, feet above Mean Sea Level,... + ____

Mean, reduced to 32°, and Sea Level, ... ____

Highest Reading, corrected for Index error, on th,..... ____

Lowest Do. Do., on th,..... ____

Difference, or **Monthly Range,** ..... ____

Observations made and Return verified by ____

(*Signed*) ____

SELF-REGISTERING THERMOMETERS.

Highest in Month, on th, ... ____

Lowest in Month, on th, ... ____

Difference, or **Monthly Range,** ..... ____

Mean of all the Highest, ... ____

Mean of all the Lowest, ... ____

Difference, or **Mean Daily Range,** ..... ____

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ... ____

Min. on Grass, Lowest in Month, ... ____

,, ,, Mean, ... ____

Black Bulb, Max. in Sun, Highest in Month, ... ____

ADDITIONAL REMARKS.

October 31. 7 p.m. Bar. 28.855.
" " 8 p.m. do. 28.815.
" " 10 p.m. do. 28.827

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, ... ____

Wet Bulb, Mean of A.M. and P.M. Readings, ... ____

Computed **Temperature of Dew-Point,** ..... ____

Do. **Elastic Force of Vapour,** ..... ____

Do. **Relative Humidity** (Saturation = 100),... ____

RAIN fell on **Days; Amount in Inches,** ____

WIND. SUMMARY. Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.										
P.M.										
Sum.										

* If Observations are taken at 9 A.M. only, the reading of the **Maximum** thermometer must be entered to the *previous day*.

† **Rain** to be measured at 9 A.M. and the amount entered to the *previous day*.

WEATHER SUMMARY.

Number of Days of Precipitation, ... ____

Snow, ... ____

Hail, ... ____

Thunder, ... ____

Clear Sky, ... ____

Overcast, ... ____

Fog, ... ____

Ground Frost, ... ____

Gale, ... ____

INSTRUMENTS IN USE.

Barometer, No. ____

Dry Bulb, No. ____

Wet Bulb, No. ____

Maximum, No. ____

Minimum, No. ____

Solar Radiation, No. ____

Grass Min., No. ____

Sun Recorder, No. ____

1-foot Therm., No. ____

4-foot Therm., No. ____

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OBSERVATIONS taken at Leith, County of Edinburgh, During the MONTH of November 1910.

Lat. 55° 59' N Long. 3° 10' W Height of Cistern of the Barometer above Mean Sea Level 55 feet, above Ground 3 feet. Diameter of Rain Gauge ____ ins.

Height of Gauge above Mean Sea Level ____ feet. Height of Rim of Gauge above Ground ____ ins.

Date.	BAROMETER. corrected to 32° & sea-level. 9 A.M. Barometer.	9 A.M. Attached Thermometer	9 P.M. Barometer.	9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	12 ins.	48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. *Mention the hour at which Storms, including Thunder and Lightning, began and ended.*	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.											°	°	°				
1			28·864																Fine; mostly sunny.										1
2			29·154																Fine, sunny; ☒ in the morning; rather hazy.										2
3			29·088																C.; sli. sunshine at times; hazy; brisk rain after 9.30 pm.										3
4			29·458																Fine, except sh. at 9.15 am.; sunny at times; hazy.										4
5			29·458																Fine; sunny at times; hazy.										5
6			28·626																C.; frq. rain after 8.10 dur.										6
7			28·880																Morning g.; day fine, sunny at times; brisk rain after 7.50 pm.										7
8			29·533																Fine; mostly sunny; hazy.										8
9			29·903																Morning b.; with thick ☒.; sunny till abt. 11 am. and at times dur. afternoon.										9
10			29·574																Frequent thick haze; sunny intvs. dur. afternoon.										10
11			29·865																Fine; mostly sunny; rather hazy.										11
12			29·647																Thick haze chiefly; rain after 4 pm.										12
13			28·998																O.; thick haze mostly; rain frq. night & d. sho. aft. 2.40 pm. and r. after 5 pm.										13
14			28·896																O.; frq. d. with brisk sho. at times; thick haze.										14
15			29·486																Fine; mostly sunny dur. afternoon.										15
16			29·456																Fine, sunny; hazy. – Faint lu.-ha. at 7.30 pm.										16
17			29·407																Cloudy; fine.										17
18			30·077																Fine, except sho. bet. 11.30 am. and 1 pm.; mostly cloudy.										18
19			30·073																Cloudy; hazy.										19
20			30·040																Morning thick ☒.; day fine, mostly sunny; clear after 10 am.										20
21			30·156																Fine, sunny; hazy.										21
22			30·094																Fair, with sli. sunshine bet. 10 am. and 2 pm.										22
23			29·905																Fine; cloudy, with sli. sunshine dur. afternoon.										23
24			29·895																C.; rain early morning and after 6.30 pm.										24
25			29·881																C.; a few sli. sho.; hazy.										25
26			29·741																C.; with frq. sunshine dur. afternoon.										26
27			29·617																Fine; mostly sunny dur. forenoon; C. after 3 pm.										27
28			29·622																O.; d. at times.; becoming clear.										28
29			29·949																Fine; mostly sunny.										29
30			30·181																Fine; sunny; hazy.										30
31																														31
Sums.																														
Means.																														
Instrumental Errors.																														
Corrected Means.																														

WEATHER NOTATION.

a.	*denotes* aurora.	m.	*denotes* mist.
b.	,, blue sky, cloudless.	p.	,, passing showers.
bc.	,, blue sky with detached clouds.	q.	,, squally.
c.	,, sky mainly cloudy, but with openings between the clouds.	r.	,, continuous rain.
		s.	,, snow.
o.	,, completely overcast.	so. ha.	,, solar halo.
d.	,, drizzling rain.	t.	,, thunder.
e.	,, wet air, without rain falling.	t. s.	,, thunder-storm.
f.	,, fog.	u.	,, ugly, threatening appearance.
fe.	,, wet fog.		
g.	,, gloomy.	v.	,, unusual visibility of distant objects.
h.	,, hail.		
l.	,, lightning.	w.	,, dew.
lu. co.	,, lunar corona.	x.	,, hoar frost.
lu. ha.	,, lunar halo.	z.	,, dust haze.

BEAUFORT SCALE FOR ESTIMATING FORCE OF WIND—(0—12).

FORCE.		FORCE.		FORCE.	
0	Calm.	5	Fresh Breeze.	9	Strong Gale.
1	Light Air.	6	Strong Breeze.	10	Whole Gale.
2	Slight Breeze.	7	High Wind.	11	Storm.
3	Gentle Breeze.	8	Gale.	12	Hurricane.
4	Moderate Breeze.				

BAROMETER.

Corrected Mean at 9 A.M., *minus* Correction for Temp. ____ – ____ = ____

Corrected Mean at 9 P.M., *minus* Correction for Temp. ____ – ____ = ____

Mean at Station, corrected, and at 32°, ...

Correction for height, feet above Mean Sea Level,... +

Mean, reduced to 32°, and Sea Level, ...

Highest Reading, corrected for Index error, on th,.....

Lowest Do. Do., on th,.....

Difference, or **Monthly Range,** .....

Observations made and Return verified by ____

(*Signed*) ____

SELF-REGISTERING THERMOMETERS.

Highest in Month, on th, ...

Lowest in Month, on th, ...

Difference, or **Monthly Range,** .....

Mean of all the Highest, ...

Mean of all the Lowest, ...

Difference, or **Mean Daily Range,** .....

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ...

Min. on Grass, Lowest in Month, ...

,, ,, Mean, ...

Black Bulb, Max. in Sun, Highest in Month, ...

ADDITIONAL REMARKS.

Nov. 6. 1 pm. Bar. 28·789
" " 2 " " 28·732
" " 4 " " 28·660
" " 5 " " 28·640
" " 6 " " 28·642
" " 7 " " 28·646
" " 8 " " 28·636
" " 10 " " 28·624
" 7. 7.20 am. " 28·479
" " 8 am. " 28·485

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, ...

Wet Bulb, Mean of A.M. and P.M. Readings, ...

Computed **Temperature of Dew-Point,** .....

Do. **Elastic Force of Vapour,** .....

Do. **Relative Humidity** (Saturation = 100),...

RAIN fell on Days; Amount in Inches, ____

WIND.	SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.										
P.M.										
Sum.										

* If Observations are taken at 9 A.M. only, the reading of the **Maximum** thermometer must be entered to the *previous day*.

† **Rain** to be measured at 9 A.M. and the amount entered to the *previous day*.

WEATHER SUMMARY.

Number of Days of Precipitation, ... ____

Snow, ... ____

Hail, ... ____

Thunder, ... ____

Clear Sky, ... ____

Overcast, ... ____

Fog, ... ____

Ground Frost, ... ____

Gale, ... ____

INSTRUMENTS IN USE.

Barometer, No. ____

Dry Bulb, No. ____

Wet Bulb, No. ____

Maximum, No. ____

Minimum, No. ____

Solar Radiation, No. ____

Grass Min., No. ____

Sun Recorder, No. ____

1-foot Therm., No. ____

4-foot Therm., No. ____

THE SECRETARY

SCOTTISH METEOROLOGICAL SOCIETY

122 GEORGE STREET

EDINBURGH

BOOK POST

SCOTTISH METEOROLOGICAL SOCIETY.

OBSERVATIONS taken at Leith, County of Edinburgh, During the MONTH of December 1910.

Lat. 55°59'N Long. 3°10'W. Height of Cistern of the Barometer above Mean Sea Level 55 feet, above Ground 3 feet. Diameter of Rain Gauge ____ ins.

Height of Gauge above Mean Sea Level ____ feet. Height of Rim of Gauge above Ground ____ ins.

Date.	BAROMETER. corr. & red. to 32° & sea-level. 9 A.M. Barometer.	9 A.M. Attached Thermometer	9 P.M. Barometer.	9 P.M. Attached Thermometer	*SELF-REGISTERING THERMOMETERS. Screen. Max. 9 P.M.	Screen. Min. 9 P.M.	Black Bulb Max. in Sun. 9 P.M.	Min. on Grass. 9 A.M.	HYGROMETER. 9 A.M. Dry bulb.	9 A.M. Wet bulb.	9 P.M. Dry bulb.	9 P.M. Wet bulb.	†RAIN. Amount at 9 A.M.	WIND. 9 A.M. Direction.	9 A.M. Force. Scale of 0—12.	9 P.M. Direction.	9 P.M. Force. Scale of 0—12.	Anemometer. 9 A.M.	CLOUDS. 9 A.M. Species and Direction.	9 A.M. Amount (0—10).	9 P.M. Species and Direction.	9 P.M. Amount (0—10).	SUNSHINE. Hours.	THERMOMETERS under Ground. 9 A.M. 3 ins.	9 A.M. 12 ins.	9 A.M. 48 ins.	WEATHER. At 9 A.M.	At 9 P.M.	GENERAL REMARKS. Occurrence of Snow, Hail, Thunder, Lightning, Fog, Gales, Meteors, Auroras, Remarkable Depression or Elevation of Barometer, etc. *Mention the hour at which Storms, including Thunder and Lightning, began and ended.*	Date.
	inches.	°	inches.	°	°	°	°	°	°	°	°	°	inches.												°	°	°				
1			30·255																											C.; shs. after 11.15 a.m.; q. at times.	1
2			30·299																											C, with occas. sunshine dur. forenoon; clear.	2
3			29·875																											Fine, sunny at times till 3 p.m.; li. shs. after 5 p.m.	3
4			29·308																											C.; occ. drizz. shs.	4
5			29·138																											C.; drizz. to mod. rain at times.	5
6			29·220																											Dull; shs. early morning.	6
7			29·422																											Freq. sunshine; thick haze bet. 10 & 11 a.m.	7
8			29·119																											Dull.	8
9			29·772																											Sunny at times; rain after 3 p.m.	9
10			28·906																											C.; evening showery.	10
11			29·118																											shs. early morning; day fine; frequent sunshine.	11
12			29·076																											Fine; sunny at times; evening c.	12
13			28·982																											Changeable; freq. shs.; occas. sunshine dur. afternoon.	13
14			29·132																											Q. bet. 3 & 6 a.m., with brisk shs. bet. 5 & 6 a.m.; day fine, sunny.-Su-ha. at 8.30 p.m.	14
15			29·346																											Very dull; f. at times; occas. d.	15
16																															16
17																														See Mr Adams's Register	17
18																															18
19			30·164																											Rain prev. night; day mostly sunny.	19
20			29·823																											Dull; freq. rain after 1 p.m.; gusty.	20
21			29·739																											Freq. sunshine; f. at 9.30 a.m.; g.	21
22			30·025																											Fine, mostly sunny; q. at times.	22
23			29·574																											C.; g.; shs. after 2.15 p.m.	23
24			29·536																											Strong gs. till 6 a.m., with brisk shs. bet. 5 & 6 a.m.; day fine, mostly sunny; gusty.	24
25			29·572																											Fine, sunny.	25
26			29·527																											Fine, mostly sunny till noon, then cloudy; li. shs. after 2.40 p.m.	26
27			30·133																											Fine; freq. sunshine; clear.	27
28			29·837																											Q.; li. shs. after 11.15 a.m.; occas. sunshine.	28
29			30·076																											Fine; mostly sunny.	29
30			30·322																											Fine, sunny; hazy.	30
31																														See Mr Adams's Register	31
Sums.																															
Means.																															
Instrumental Errors.																															
Corrected Means.																															

WEATHER NOTATION.

a.	*denotes* aurora.	m.	*denotes* mist.
b.	,, blue sky, cloudless.	p.	,, passing showers.
bc.	,, blue sky with detached clouds.	q.	,, squally.
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o.	,, completely overcast.	so. ha.	,, solar halo.
d.	,, drizzling rain.	t.	,, thunder.
e.	,, wet air, without rain falling.	t. s.	,, thunder-storm.
f.	,, fog.	u.	,, ugly, threatening appearance.
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g.	,, gloomy.	v.	,, unusual visibility of distant objects.
h.	,, hail.		
l.	,, lightning.	w.	,, dew.
lu. co.	,, lunar corona.	x.	,, hoar frost.
lu. ha.	,, lunar halo.	z.	,, dust haze.

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2	Slight Breeze.	7	High Wind.	11	Storm.
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4	Moderate Breeze.				

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Corrected Mean at 9 A.M., *minus* Correction for Temp. ____ — ____ = ____

Corrected Mean at 9 P.M., *minus* Correction for Temp. ____ — ____ = ____

Mean at Station, corrected, and at 32°, ____

Correction for height, ____ feet above Mean Sea Level,... + ____

Mean, reduced to 32°, and Sea Level, ____

Highest Reading, corrected for Index error, on ____ th, ____

Lowest Do. Do., on ____ th, ____

Difference, or **Monthly Range,** ____

SELF-REGISTERING THERMOMETERS.

Highest in Month, on ____ th, ____

Lowest in Month, on ____ th, ____

Difference, or **Monthly Range,** ____

Mean of all the Highest, ____

Mean of all the Lowest, ____

Difference, or **Mean Daily Range,** ____

Mean Temperature of Month, ½ (Mean Max. + Mean Min.), ____

Min. on Grass, Lowest in Month, ____

,, ,, Mean, ____

Black Bulb, Max. in Sun, Highest in Month, ____

ADDITIONAL REMARKS.

HYGROMETER.

Dry Bulb, Mean of A.M. and P.M. Readings, ____

Wet Bulb, Mean of A.M. and P.M. Readings, ____

Computed **Temperature of Dew-Point,** ____

Do. **Elastic Force of Vapour,** ____

Do. **Relative Humidity** (Saturation = 100), ____

RAIN fell on ____ **Days; Amount in Inches,** ____

WIND.	SUMMARY.									
Direction.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	Mean Force 0—12.
A.M.										
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Hail, ____

Thunder, ____

Clear Sky, ____

Overcast, ____

Fog, ____

Ground Frost, ____

Gale, ____

INSTRUMENTS IN USE.

Barometer, No. ____

Dry Bulb, No. ____

Wet Bulb, No. ____

Maximum, No. ____

Minimum, No. ____

Solar Radiation, No. ____

Grass Min., No. ____

Sun Recorder, No. ____

1-foot Therm., No. ____

4-foot Therm., No. ____

Observations made and Return verified by ____

(*Signed*) ____

Paid
(Redpath)
1910

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