

(FORM H.)

To be filled up, and sent on the first of each month, in an envelope addressed to "The Chief Signal Officer, U. S. Army, Washington, D. C."

WAR DEPARTMENT SIGNAL SERVICE U. S. ARMY

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WAR DEPARTMENT, SIGNAL SERVICE, U. S. ARMY,

DIVISION OF TELEGRAMS AND REPORTS FOR THE BENEFIT OF COMMERCE AND AGRICULTURE.

Place of Observation:

Snowville

County of:

Pulaski Co.

State of:

W. Va. 306

Latitude:

37

Longitude:

80

Height above the Sea, *1100* feet.

METEOROLOGICAL RECORD.

Name and Post-Office address of Observer:

Edmund Drake, Snowville, W. Va.

for the month of *May*, 1875.

DAY OF MONTH.	THERMOMETER IN THE OPEN AIR.				RAIN AND SNOW.				CLOUDS.												WINDS.						DAY OF MONTH.
									7 A. M.			2 P. M.			9 P. M.						7 A. M.		2 P. M.		9 P. M.		
									Upper Clouds.		Lower Clouds.	Upper Clouds.		Lower Clouds.	Upper Clouds.		Lower Clouds.	Upper Clouds.		Lower Clouds.	Direction.		Direction.		Direction.		
									Kind.	Amount.	Direction, (moving from.)	Kind.	Amount.	Kind.	Amount.	Direction, (moving from.)	Kind.	Amount.	Kind.	Amount.	Direction, (moving from.)	Kind.	Amount.	Direction.	Force.	Direction.	
1	52	70	60	55.5					n	5				n	10			n	10								1
2	47	60	36	44.7														n	5								2
3	30	65	51	49.2					n	10				Clear				n	5								3
4	47	52	44	46.7	Sprinkle									n	10			n	10								4
5	30	62	52	49	just sprinkle									n	10			n	10								5
6	52	74	47	55					n	10																	6
7	37	80	64	61.2										Clear													7
8	55	88	74	64.5					n	5								n	8								8
9	60	89	75	74.4					n	5				n	8												9
10	60	75	60	63.7	Sprinkle of rain				n	10																	10
11	40	75	63	61.2																							11
12	62	75	52	60.5					n	8																	12
13	55	72	52	56.2														n	5								13
14	42	80	69	65										n	5			n	5								14
15	50	68	40	51					n	9				n	5												15
16	41	62	42	46.5																							16
17	50	65	50	48.7	part				n	5				n	8			n	8								17
18	52	62	44	44	part																						18
19	32	70	50	45.2	part																						19
20	37	80	52	48.7																							20
21	52	84	72	75																							21
22	52	80	70	65																							22
23	56	94	75	75																							23
24	62	80	64	67.5																							24
25	52	80	70	65																							25
26	62	85	70	71.9																							26
27	59	85	70	65.5																							27
28	52	80	65	68																							28
29	45	82	67	63.7																							29
30	52	88	60	62.5																							30
31	42	80	65	63.7																							31
Sums.	1457	2358	1348	1561.5																							Sums.
Means.																											Means.

THE OBJECT of these observations is to enable the Chief Signal Officer, U. S. Army, to prepare a series of maps to illustrate the face of the sky, &c., over the United States, for each day in the year, and thus to study the rise, progress, and course of American storms. Observers who have a Barometer, Psychrometer, etc., will be supplied with other blanks, and also full directions for using all the instruments, on application to the Chief Signal Officer, Washington, D. C.

EXPLANATION OF THE ABOVE COLUMNS.

THERMOMETER IN THE OPEN AIR.

This is intended for the register of the thermometer, and for the daily mean or average of the three observations. Fractions of degrees should be recorded in tenths, thus: 46°5, 37°3, 72°1, &c.

RAIN AND SNOW.

Under this head are entered the time of beginning and ending of the fall of rain or snow, and the amount, in inches and hundredths, of rain or melted snow collected in a gauge at the surface of the ground; also the depth of the snow. Rain to be indicated by R, and snow by S. When there is no rain or snow, mark 0. Amount of rain or melted snow in gauge should be recorded in inches, tenths and hundredths, thus: 1.25, 6.03, 0.01, &c.

WINDS.

This is for the record of the direction from which the wind is blowing as indicated by a vane, and its force by estimation. The direction is entered in eight points of the compass: N., N.E., E., S.E., S., S.W., W., N.W. The force is to be estimated and registered by figures from 1 to 10, as in the first column of the following table. The figures in the last column, expressing the number of miles per hour, are not to be used in the register. A little practice will enable Observers to make use of the figures in the first column corresponding to light, gentle, fresh, strong, &c., with accuracy, and it is very important that such should be the case to make the record reliable.

0. Calm.