

at them. The eye has a magic power. It wins, it guides, it rewards, it punishes, it controls. You must learn how to see every child all the time. Some teachers seem to be able to see only one pupil at a time. This will never do. While you are giving the absorbed attention to one, all the rest are running wild. Neither will it do for the teacher to be looking about much, to see what is going on among the other classes in the room. Your scholars' eyes will be apt to follow yours. You are the engineer, they are the passengers. If you run off the track, they will do likewise. Nor must your eye be occupied with the book, hunting up question and answer, nor dropped to the floor in excessive modesty. All the power of seeing that you have is needed for looking earnestly, lovingly, without interruption, into the faces and eyes of your pupils.

But for the observance of this rule, another is indispensable. You must learn to teach without a book. Perhaps you cannot

do this absolutely; but the nearer you can approach to it the better. Thorough preparation, of course, is the secret of this power. Some teachers think they have prepared a lesson when they have gone over it once, and studied out all the answers. There could not be a greater mistake. This is only the first step in the preparation. You might as well think that you have learned the multiplication table, and are prepared to teach it, when you have gone over it once, and seen by actual count that the figures are all right, and you know where to put your finger on them when required. You are prepared to teach a lesson when you have all that is in it at your tongue's end. Any preparation short of this will not do. Once prepare a lesson in this way, and it will give you such freedom in the art of teaching, and you will experience such pleasure in it, that you will never want to relapse into the old indolent habit.—*N. Y. Teacher.*

ABSTRACT FOR THE MONTH OF JULY, 1878.

OF TRI-HOURLY METEOROLOGICAL OBSERVATIONS TAKEN AT MCGILL COLLEGE OBSERVATORY, HEIGHT ABOVE SEA LEVEL, 187 FEET.

Day.	THERMOMETER.				BAROMETER.				+ Mean pressure of vapor	† Mean relative humidity.	WIND.		SKY CLOUDED IN TENTHS.			Rain and snow melted.	Day.
	Mean.	Max.	Min.	Range	Mean.	‡ Max.	§ Min.	Range			General direction.	Me'n velocity in m. p. hour.	Mean	Max	Min.		
1	83.66	90.5	78.6	11.9	29.9775	30.033	29.921	.112	.6167	54.5	w.	6.6	0.9	3	0	1	
2	84.34	90.7	76.0	14.7	29.9415	29.966	29.915	.051	.5860	50.0	w.	6.9	1.9	8	0	2	
3	78.31	82.9	73.0	9.9	30.0510	30.108	29.973	.136	.6670	69.1	w.	6.2	6.2	10	0	3	
4	76.75	83.2	66.0	17.2	30.0874	30.153	29.988	.165	.5395	60.6	w.	7.6	5.1	9	0	4	
5	75.49	80.3	67.0	13.3	29.9632	29.996	29.920	.076	.3627	41.1	w.	9.4	5.5	10	0	5	
6	70.65	78.1	61.9	16.2	29.9779	30.041	29.928	.113	.2585	34.9	w.	6.4	2.9	10	0	6	
Sunday 7	.....	86.9	58.6	28.3	.....	.....	.....	.....	.....	.....	w.	11.9	.....	.....	.....	7 Sunday
8	78.40	85.2	70.9	14.3	29.8161	29.874	29.760	.114	.6020	62.0	w.	13.4	6.7	10	4	Inapp.	
9	79.66	88.2	73.0	15.2	29.8050	29.875	29.751	.124	.6315	63.7	w.	9.9	4.6	10	0	8	
10	71.61	81.0	66.8	14.2	29.8687	29.999	29.806	.193	.5800	74.9	w.	9.9	6.2	10	0	0 07	
11	67.55	73.1	59.7	13.4	30.1672	30.210	30.064	.156	.3594	54.7	w.	7.3	1.6	4	0	10	
12	68.27	77.3	56.4	20.9	30.1161	30.229	30.012	.217	.3561	54.0	S. W.	2.6	4.9	10	0	11	
13	74.27	83.0	59.7	23.3	29.9630	30.027	29.886	.141	.3 05	45.6	w.	6.8	2.6	5	0	12	
Sunday 14	.....	86.0	64.6	21.4	.....	.....	.....	.....	.....	.....	w.	15.0	.....	.....	.....	13
15	65.85	74.2	55.8	18.4	29.9962	30.042	29.913	.129	.3237	53.7	w.	6.0	5.2	9	0	Inapp.	
16	67.26	76.8	60.4	16.4	29.9539	30.029	29.870	.159	.4502	67.6	w.	6.7	10.0	10	10	0.04	
17	76.99	88.4	66.2	22.2	29.7041	29.864	29.596	.268	.7219	78.1	w.	12.5	7.5	10	1	0 60	
18	78.11	84.3	71.9	12.4	29.7424	29.782	29.687	.095	.6271	66.0	N. W.	10.0	5.2	10	0	17	
19	76.41	82.1	68.8	13.3	29.8272	29.934	29.731	.203	.5407	00.6	w.	8.0	2.4	7	0	Inapp.	
20	74.52	82.0	64.7	17.3	29.8589	29.954	29.651	.303	.4741	56.6	w.	3.8	7.0	10	1	Inapp.	
Sunday 21	.....	76.8	64.8	12.0	.....	.....	.....	.....	.....	.....	w.	10.3	.....	.....	.....	18
22	61.37	65.5	57.8	7.7	29.5384	29.737	29.345	.392	.4650	85.5	N. W.	13.8	9.6	10	4	0.36	
23	68.45	76.9	60.0	16.9	29.9052	29.955	29.868	.092	.4 02	62.6	N. W.	9.3	3.6	10	0	0.07	
24	72.07	78.1	61.2	16.9	29.9347	30.024	29.826	.198	.3561	45.1	w.	9.7	4.0	10	0	23	
25	73.16	81.9	66.4	15.5	29.7109	29.8 2	29.622	.200	.4510	56.0	w.	15.0	8.8	10	0	24	
26	66.06	68.6	64.0	4.6	29.6270	29.720	29.395	.325	.6006	92.1	S. E.	4.5	10.0	10	10	2.04	
27	66.8	76.2	63.0	13.2	29.6531	29.886	29.399	.487	.4984	7 5	N. W.	9.5	6.7	10	2	0.46	
Sunday 28	.....	72.0	54.2	17.8	.....	.....	.....	.....	.....	.....	w.	8.5	.....	.....	.....	25
29	68.49	75.1	62.0	13.1	30.6605	30.096	30.028	.068	.4205	61.4	w.	6.1	8.4	10	3	26	
30	67.85	74.2	63.3	10.9	29.9911	30.052	29.948	.104	.5220	77.3	S.	7.2	7.9	10	0	0.03	
31	66.72	68.2	62.2	6.0	29.9299	29.978	29.893	.085	.5030	79.7	S.	6.3	8.8	10	0	Inapp.	
Means.....	72.596	79.60	64.48	15.12	29.8511	.....	.....	.1748	.49201	62.18	.....	8 62	5.72	.....	.....	Means.

* Barometer readings reduced to sea level, and to temperature of 32o Fahrenheit, † Pressure of vapor in inches of mercury. Humidity relative, saturation 100. ‡ Observed.
 Mean temperature of month, 72.596. Mean of max. and min. temperatures, 72.04. Greatest heat was 90.7 on the 2nd; greatest cold was 54.2 on the 28th,—giving a range of temperature for the month of 36.5 degrees. Greatest range of the thermometer in one day was 28.3 on the 7th; least range was 4.6 degrees on the 26th. Mean range for the month was 15.12 degrees. Mean height of the barometer was 29.89511. Highest reading was 30.229 on the 12th; lowest reading was 29.345 on the 22nd; giving a range of 0.884 in. Mean elastic force of vapor in the atmosphere was equal to .49201 in. of mercury. Mean relative humidity was 62.18. Maximum relative humidity was 97 on the 26th and 28th. Minimum relative humidity was 28 on the 5th. Mean velocity of the wind was 8.62 miles per hour; greatest mileage in one hour was 23 on the 8th. Mean direction of the wind, west. Mean of sky clouded 57.2 per cent.
 Rain fell on 14 days. Total rainfall, 5.47 inches.