

I do not publish these observations with the idea that they are sufficiently numerous to establish any general law on the subject for this country; but because my avocation here does not permit me to extend them, and in the hope that some one who may hereafter travel through the Bikanír country may be induced to take up the subject, for there alone can any considerable depth beneath the surface be attained.

F. S.—Lieutenant TREMENSEER, of the Engineers, in leaving this on the Shekawatti campaign, had the kindness to promise that he would make some observations on the temperature of the deep wells that lay in his route, and this he has performed with great zeal and assiduity. He has now placed the results he obtained in my hands, and I have drawn up the following abstract of them:

No. of Wells observed.	Depth.	Aver. Temp.
13....	40 to 80 feet.	78°
6....	80 to 120	79° 4
4....	120 to 140	81°

These observations were made throughout a large tract of country lying between 28 and 26° N. Lat. and 78 to 76° E. Long. And the time of the year in which they were made was from the 26th October to the 28th February. The mean temperature of the year for the surface may be reckoned at 75°, if, as stated by Lieut.-Col. OLIVER, that of Dehli be 73° 4.

I see that in the above paper on this subject I have misquoted this same datum of Colonel OLIVER's, calling it 76°. I took the number carelessly from the wrong column, owing to its suiting so well to Dr. ROYLE's observations at Seháranpur, who makes the mean of that place, I believe, 73° 5. One or other of the two observations must now be rejected.

XIII.—Abstracts of a Meteorological Register kept at "Caineville,"

Musooree (Masúrt.) By S. M. BOULDERSON, Esq.

1834.

		Bar.	Therm.		
		attd.	dtd.		
From 15th to end of May, 8 observations at 10 A. M.		23,919	75	78.1°	
9 "	at 4 P. M.	23,894	75.6	79.5°	
10 "	at 10 P. M.	23,905	74.8	78.7	
Mean temperature at 10 A. M. and 10 P. M. 76° 9.					
Bar. at 4 P. M. compared with 10 A. M.		Bar. at 4 P. M. compared with 10 P. M.			
Mean diff.	greatest.	least.	Mean diff.	greatest.	least.
(6 obsrs.)—0.043	—0.060	—0.026	(7 obsrs.)—0.034	—0.066	0.004
		Therm.			
		Bar.	attd.	dtd.	
June,.....	25 observations at 10 A. M.	23,897	71.8	70.3	
	22 "	at 4 P. M.	23,815	71.4	71.1
	23 "	at 10 P. M.	23,870	71.5	68.0

* I think that the temperature at 10 A. M. and 4 P. M. was considerably raised by reflection. This was modified or obviated in the subsequent months.

Mean temperature at 10 A. M. and 10 P. M. 69°1.

Bar. at 4 P. M. compared with 10 A. M. Bar. at 4 P. M. compared with 10 P. M.
Mean diff. greatest. least. Mean diff. greatest. least.
 (18 obsns.)—0.073 —0.212 +0.040 (18 obsns.)—0.048 —0.210 +0.014

Therm.

			<i>Bar.</i>	<i>attd.</i>	<i>detd.</i>
July,	25 observations at 10 A. M.		23.896	69.9	67.5
	13 " at 4 P. M.		23.830	69.2	68.5
	28 " at 10 P. M.		23.879	69.6	67.2

Mean temperature at 10 A. M. and 10 P. M. 67°35.

Bar. at 4 P. M. compared with 10 A. M. Bar. at 4 P. M. compared with 10 P. M.
Mean diff. greatest. least. Mean diff. greatest. least.
 (12 obsns.)—0.068 —0.112 +0.032 (12 obsns.)—0.043 —0.104 +0.063

Therm.

			<i>Bar.</i>	<i>attd.</i>	<i>detd.</i>
August,	25 observations at 10 A. M.		23.917	69.1	68.5
	19 " at 4 P. M.		23.864	68.3	67.5
	28 " at 10 A. M.		23.900	68.9	66.4

Mean temperature at 10 A. M. and 10 P. M. 67°4.

Bar. at 4 P. M. compared with 10 A. M. Bar. at 4 P. M. compared with 10 P. M.
Mean diff. greatest. least. Mean diff. greatest. least.
 (17 obsns.)—0.060 —0.090 —0.022 (16 obsns.)—0.023 —0.066 +0.018

Therm.

			<i>Bar.</i>	<i>attd.</i>	<i>detd.</i>
September,	25 observations at 10 A. M.		23.994	67.7	67.2
	13 " at 4 P. M.		23.918	67.5	66.8
	24 " at 10 P. M.		23.960	68.1	65.5

Mean temperature at 10 A. M. and 10 P. M. 66°35.

Bar. at 4 P. M. compared with 10 A. M. Bar. at 4 P. M. compared with 10 P. M.
Mean diff. greatest. least. Mean diff. greatest. least.
 (12 obsns.)—0.064 —0.106 +0.066 (11 obsns.)—0.031 —0.086 +0.036

Therm.

			<i>Bar.</i>	<i>T. attd.</i>	<i>detd.</i>
October,	23 observations at 10 A. M.		24.084	61.5	62.2
	19 " at 4 P. M.		24.012	61.5	61.96
	20 " at 10 P. M.		24.050	61.8	58.63

Mean temperature at 10 A. M. and 10 P. M. 60°41.

Bar. at 4 P. M. compared with 10 A. M. Bar. at 4 P. M. compared with 10 P. M.
Mean diff. greatest. least. Mean diff. greatest. least.
 (17 obsns.)—0.072 —0.140 —0.032 (16 obsns.)—0.043 —0.128 —0.009

Note.—From the 2nd to the 9th, no observations taken.

			<i>Bar.</i>	<i>T. attd.</i>	<i>detd.</i>
November 1st to 21st. . .	17 observations at 10 A. M.		24.158	57.5	57.4
	10 " at 4 P. M.		24.104	57.6	56.4
	19 " at 10 P. M.		24.128	57.8	53.9

Mean temperature at 10 A. M. and 10 P. M. 55° 6.

Bar. at 4 P. M. compared with 10 A. M. Bar. at 4 P. M. compared with 10 P. M.
Mean diff. greatest. least. Mean diff. greatest. least.
 (9 obsns.)—0.052 —0.074 —0.026 (10 obsns.)—0.034 —0.058 —0.014

Mean of the mean temperatures from 15th May to 21st November, 66°17.

Height of Caineville, by comparison with Calcutta Barometer.

By mean of 80 observations at 10 A. M. from 16th May to Above Calcutta.
 31st August, feet 6287.5
 By mean of 49 observations, at 4 P. M. do. do. 6285.9
 By mean of 30 ditto, at 10 P. M. July to August, 6274.7

Mean, 6282.7

By 61 observations, Caineville above Seharanpur, 5346.7
 Seharanpur above Calcutta, 1012.3