

Notes.

In para. 303, page 123, of the Geological Report the height of the west Butte Depot camp above the sea is stated as 3737 feet. This is the U.S. Determination via Fort Benton, and that via Dufferin obtained from 60 observations taken in August 1874 agrees with it within 10 feet. It may be assumed therefore that the height of the W. Butte Depot is well established. But the height of the W. Butte itself ~~above the Depot~~ is stated in the same paragraph to be 2746 feet above the Depot camp whereas by Mr. G. M. Dawson's observations of which an exact extract is given in the opposite page the height of the top of the west Butte ^{above the} astronomical station is 2650 feet and the height of the astronomical station above the Depot camp is 390 feet, — total of the W. Butte above the Depot camp 3040 feet. There is here a discrepancy of 300 feet which has perhaps arisen from the computer confounding the west Butte Depot with the W. Butte astronomical station, whereas the latter was some distance up the hill, the former was near its base.

A. F.

F. O. P. 10.75

Copy from Mr. G. M. Dawson's recorded obs^{ns}

Locality	Date	Hour	Bar. read	Bar. corrected	Therm.	Remarks
Camp, Depot at West Butte	July 25	9.30 P.M.	26.07	26.47	56	
" "	26 th	P.A.M.	25.98	26.39	66	clear
Camp W. Butte astron. station	"	1 p.m.	25.58	26.03	72	clear
" "	"	8 "	25.74	26.18	60	
" "	27 th	P.A.M.	25.75	26.19	66	
" "	"	12.30 P.M.	25.76	26.2	72	
" "	"	9 P.M.	25.74	26.18	64	
" "	28 th	P.A.M.	25.51	25.97	76	
" "	"	2 P.M.	25.46	25.92	84	
" "	"	10 P.M.	25.55	26.01	67	
" "	29 th	P.A.M.	25.51	25.97	70	
" "	"	11 A.M.	25.58	26.03		2648
Top W. or highest butte	"	4.30 P.M.	22.87	23.64		2604
Camp W. Butte astron. station	"	8 P.M.	25.50	25.96	60	2592
" "	30 th	P.A.M.	25.71	26.15	54	
" "	"	noon	25.66	26.10	65	clear
Camp, Depot. W. Butte	Aug 1.	P.A.M.	25.95	26.36	64	Calm, clear
		etc.				