

Date. 1896.	Approx. Distance. (Miles.)	Station.	Elements observed.	Remarks.
Oct. 23	28	Washington,	TS	Exchanged chronometer (Bond 295) for Dent 2256.
29	..	"	TS	
29-31	9	Linden,	..	Constants determined.
Nov. 4-5	32	Baltimore,	H, I	No D observations on account of rain.
6	25	Belcamp,	D, H, I	} The purpose of these observations was to make a preliminary examination of the local disturbances in the neighborhood of Bel Air; weather fair.
6	2	Harford Furnace	I	
6	2	Creswell,	I	
6	2	Fountain Green,	I	
7	2	Bel Air,	I	
7	13	Cardiff,	D, I, H	While waiting for train; weather good.
7	9	Forest Hill,	D, I, H	Weather fair, wind moderate.
9	60	Washington,	TS	At C. & G. S. office.
13	16	Stabler,	I	No D nor H observations on account of fierce snow storm.
14	11	Unity,	D, I, H,	Weather good, wind moderate.
14	9	Damascus,	D, I, H,	" " " "
19	29	Washington,	TS	At C. & G. S. office.
24	9	Linden,	D, I, H	} Examined evidences of local disturbances about Linden.
25-27	1	Forest Glen,	D, I, H	
Dec. 1	9	Washington,	TS, I	Compared dip circle with the new ones recently obtained by C. & G. S.
3	..	"	TS	En route to Salisbury, saw brilliant aurora; magnetic disturbance next day.
4-5	86	Salisbury,	D, I, H	Meridian line established here.
7	32	Crisfield,	D, I, H	Extreme southerly station in Md.; weather good, light wind.
9	90	Washington,	TS	Moment of inertia of long magnet re-determined.

General Summary of magnetic work in 1896.

Number of different stations at which declination was observed.....	38
" " " " " " inclination " "	46
" " " " " " horizontal component was observed....	39
" " days on which the elements at Base Station were observed.....	14
Average air line distance in miles between stations.....	20-25
Approximate total distance traveled in reaching stations, in miles.....	2000

SELECTION OF THE STATIONS.

To carry out the provisions contained in the letter to me from the State Geologist, the first aim was to select a station at the county-seat of each county or as near thereto as circumstances would permit. This provision was strictly carried out. Only in a few cases was it impossible to locate the station at the county-seat. In these cases the necessary connections with train or steamer could not be made with-