

From this table, which was prepared with the aid of the long series of observations at Chambersburg, Washington and Baltimore, we find that the needle veered about  $2^{\circ} 26'.5$  to the west between 1750 and the middle of the present year. Let us see what values we shall get from the table of the changes for the county-seats. Watersville is about midway between Rockville and Westminster; likewise about midway between Frederick and Ellicott.

	Secular change between 1750.0 and 1897.5.
	° /
From Westminster, . . . . .	2 24.5 W.
“ Rockville, . . . . .	2 39.0
I. Mean, . . . . .	2 31.8
	° /
From Frederick, . . . . .	2 17
“ Ellicott, . . . . .	2 43
II. Mean, . . . . .	2 30
Mean of I and II, . . . . .	2° 31 W.

Again, we notice from the table that the needle apparently remained west of the true meridian throughout the interval 1750 to 1900. If it ever was “true to the pole” during that interval this occurred not far from the year 1800. The needle may have pointed east for a brief period after this time, but if it did so, the easterly deflection was of small amount. No absolutely correct value of the declination at Watersville for the present year could be furnished, since no observations have, as yet, been made there and because of the prevalence of local disturbances in this part of Maryland. Properly grouping and combining the observations made at the stations surrounding Watersville, viz., Frederick, Damascus, Unity, Westminster, Ellicott City, Baltimore and Cockeysville, the following values were obtained:

	Magnetic Declination at Watersville in 1897.5.
	° /
By one combination, . . . . .	4 58 W.
By a second combination, . . . . .	59
By a third “ . . . . .	57
Mean, . . . . .	4 58 W.

The table above gives  $4^{\circ} 54'.5$ .