ary 1st, 1900, is 4°.73 W., then the value on January 1st, 1750, for example, with a fair degree of approximation, was

$$D_{1750} = +4°.73 - 2°.17 = +2°.56 = 2°\ 34'\ \text{W.}$$

TABLE XI A.

Specimen of auxiliary table giving the secular changes in Maryland between 1700 *and* 1900.

Year.	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	V-II.
	°	°	°	°	°	°	°	°	°
1700	..	+0.74	+0.03	+0.15	+0.20	+0.10	+0.24	+0.38	−0.54
10	..	+0.43	−0.39	−0.26	−0.19	−0.25	−0.12	+0.08	−0.62
20	..	−0.10	−0.97	−0.79	−0.72	−0.75	−0.64	−0.37	−0.62
30	..	−0.87	−1.59	−1.39	−1.41	−1.45	−1.22	−0.97	−0.54
40	..	−1.51	−2.27	−2.07	−2.08	−2.10	−1.86	−1.57	−0.57
1750	..	−2.17	−2.93	−2.85	−2.75	−2.75	−2.50	−2.20	−0.58
60	..	−2.85	−3.53	−3.61	−3.40	−3.35	−3.09	−2.78	−0.55
70	..	−3.53	−4.03	−4.26	−3.90	−3.90	−3.63	−3.36	−0.37
80	−4.15	−4.19	−4.43	−4.83	−4.42	−4.35	−4.05	−3.82	−0.23
90	−4.57	−4.69	−4.67	−5.15	−4.44	−4.60	−4.33	−4.13	+0.25
1800	−4.81	−4.98	−4.72	−5.32	−4.81	−4.75	−4.45	−4.32	+0.17
10	−4.86	−5.07	−4.69	−5.24	−4.78	−4.70	−4.46	−4.35	+0.29
20	−4.83	−5.04	−4.49	−4.95	−4.56	−4.50	−4.30	−4.21	+0.48
30	−4.40	−4.65	−4.08	−4.50	−4.18	−4.18	−3.95	−3.94	+0.47
40	−3.92	−4.00	−3.58	−3.94	−3.68	−3.72	−3.50	−3.53	+0.32
1850	−3.37	−3.40	−2.99	−3.33	−3.10	−3.16	−2.95	−3.01	+0.30
60	−2.75	−2.75	−2.34	−2.65	−2.46	−2.53	−2.33	−2.42	+0.29
70	−2.07	−2.06	−1.67	−1.95	−1.78	−1.86	−1.68	−1.78	+0.28
80	−1.37	−1.36	−1.04	−1.20	−1.12	−1.20	−1.06	−1.15	+0.24
90	−0.66	−0.65	−0.47	−0.50	−0.50	−0.58	−0.49	−0.55	+0.15
1900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

On glancing over this table one must be impressed with the general agreement of the tabular quantities among themselves, derived as they were from such various sources. Yet it will be noticed that if we compare the quantities for any particular year, for example, 1820, the figures may differ among each other by about 0°.8. Such differences should not be ascribed entirely to defective data; they very likely represent in a large degree an actual physical fact. In other words, the amount of secular change, c, at any particular time will not be quite the same in all parts of Maryland. If we subtract series II (Western Maryland) from series V (Eastern Maryland) we notice that the differences vary systematically with the lapse of time (see figures in last column).