vice to the surveyor in this state will be found in the tables below. As already stated, the *plus* sign attached to a value of the declination signifies *west* declination, while the *minus* sign stands for *east* declination. It will be noticed that some of the stations have two sine terms in the secular variation expression. In these particular cases a better representation of the existing data could thus be obtained.

TABLE IX.

Secular variation expressions of the magnetic declination for stations in Maryland and vicinity.

No.	Station.	Expression.
1	Baltimore	$D = +3.^{\circ}38 + 2.^{\circ}72 \sin(1.^{\circ}4m - 22.^{\circ}3)$
2	Beaver.....	$= +1.41 + 2.72 \sin(1.40m - 39.6)$
3	Pittsburg.....	$= +1.85 + 2.45 \sin(1.45m - 28.4)$
4	S. Bethlehem..	$= +5.27 + 3.05 \sin(1.46m - 34.8)$
5	Huntingdon ..	$= +3.76 + 2.93 \sin(1.48m - 35.2)$
6	Harrisburg....	$= +3.12 + 2.98 \sin(1.55m - 4.2)$
7	Hatboro.....	$= +5.17 + 3.16 \sin(1.54m - 16.7) + 0.^{\circ}22 \sin(4.^{\circ}1m + 157^{\circ})$
8	Philadelphia..	$= +5.36 + 3.17 \sin(1.50m - 26.1) + 0.19 \sin(4.0m + 146)$
9	Chambersburg	$= +2.79 + 3.10 \sin(1.55m - 30.6) + 0.20 \sin(4.6m + 124)$
10	N. Brunswick..	$= +5.11 + 2.94 \sin(1.30m + 4.2)$
11	Jamesburg....	$= +6.03 + 2.94 \sin(1.40m - 22.4)$
12	West Creek...	$= +5.50 + 2.78 \sin(1.5m - 18.4)$
13	Cape May.....	$= +4.31 + 2.40 \sin(1.4m - 26.7)$
14	Washington...	$= +2.53 + 2.64 \sin(1.45m - 16.6)$
15	Cape Henlopen	$= +4.01 + 3.22 \sin(1.35m - 25.2)$
16	Williamsburg.	$= +2.20 + 2.48 \sin(1.5m - 32.2)$
17	Cape Henry...	$= +2.42 + 2.25 \sin(1.47m - 30.6)$
18	Marietta	$= +0.02 + 2.89 \sin(1.4m - 40.5)$
19	Athens.....	$= -1.51 + 2.63 \sin(1.4m - 24.7)$

TABLE X.

General data for the secular variation stations in Maryland and vicinity.

No.	State.	Latitude.	Longitude.	Year of first observation.	Number of observations.	Approximate epoch of last eastern elongation.	Approximate declination at last eastern elongation.	Annual Change.	
								1895.	1900.
1	Md.	39° 17′.8	76° 37′.0	1640 (?)	20	1802	0°.7 W	+3′.0	+2′.7
2	Pa.	40 44	80 20	1786	5	1814	1.3 E	+3.7	+3.6
3	Pa.	40 27.6	80 00.8	1840	6	1808	0.6 E	+3.0	+2.7
4	Pa.	40 36.4	75 22.9	1742	16	1812	2.2 W	+4.0	+3.7
5	Pa.	40 31	78 02	1750 (?)	14	1813	0.8 W	+3.9	+3.5
6	Pa.	40 15.9	76 52.9	1795	15	1795	0.1 W	+2.0	+1.4
7	Pa.	40 12	75 07	1680 (?)	18 (?)	1797	1.8 W	+3.3	+3.3
8	Pa.	39 56.9	75 09.0	1701	18	1802	2.1 W	+4.4	+2.8 (?)
9	Pa.	39 56	77 39	1736	45	1809	0.5 E	+4.8	+4.5
10	N. J.	40 29.9	74 26.8	1800	19	1778 (?)	2.2 W	+1.8	+1.4
11	N. J.	40 21	74 27	1761	7	1802	3.1 W	+3.3	+2.9
12	N. J.	39 38	74 19	1687	6	1802	2.7 W	+2.9	+2.4
13	N. J.	38 56.0	74 57.6	1700 (?)	12	1805	1.9 W	+2.8	+2.6
14	D. C.	38 53.3	77 00.6	1791	40	1799	0.1 E	+2.7	+2.5
15	Del.	38 46.7	75 05.0	1700 (?)	8	1802	0.8 W	+3.7	+3.4
16	Va.	37 16.2	76 42.4	1694	7	1811	0.3 E	+3.2	+2.9
17	Va.	36 55.6	76 00.4	1700 (?)	14	1810	0.2 W	+2.8	+2.5
18	Ohio.	39 25	81 28	1810	7	1815	2.9 E	+3.9	+3.7
19	"	39 19	82 02	1796	6	1803	4.1 E	+3.0	+2.7