TABLE VIII.

Diameter of Aperture 9.9.

CUBIC INCHES.	TENTHS OF A CUBIC INCH.									
	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
0	.0000	.0013	.0026	.0039	.0052	.0065	.0078	.0091	.0104	.0117
1	0130	0143	0156	0169	0182	0195	0208	0221	0234	0247
2	0260	0272	0286	0299	0312	0325	0338	0351	0364	0377
3	0390	0403	0416	0429	0442	0455	0468	0481	0494	0507
4	0520	0533	0546	0559	0572	0585	0598	0611	0624	0637
5	0650	0663	0676	0689	0702	0715	0728	0740	0753	0766
6	0779	0792	0805	0818	0831	0844	0857	0870	0883	0896
7	0909	0922	0935	0948	0961	0974	0987	1000	1013	1026
8	1039	1052	1065	1078	1091	1104	1117	1130	1143	1156
9	1169	1182	1195	1208	1221	1234	1247	1260	1273	1286
10	1299	1312	1325	1338	1351	1364	1377	1390	1403	1416

Art. 57.—*Additional Notes.*

(*Note to Art.* 3.) To prevent the detached mercury of the maximum thermometer from sliding beyond the maximum point, which will sometimes happen if the bulb end of the tube be raised too high, it will be safe to give a slight inclination to the tube, the bulb end being the lower.

(*Notes to Arts.* 29, 31, 45, 46.) In the columns of the monthly abstracts headed "clouds," and "clouds in motion," it will be sufficient to enter a *selection* only from the entries of the corresponding columns of the daily register.

(*Note to Art.* 32.) If the observer be doubtful whether an aurora was observed or not, this doubt may be expressed by a note of interrogation. (?)

(*Notes to Arts.* 35, 36, 37, 38, 39.) If the self-registering thermometers be not read and re-set on Sunday night, the readings on Monday night should be accompanied, in the column of remarks, by the entry "max'm of 48[h.] and min'm of 48[h.]" Similarly the depth of rain measured on Monday at 1 P. M., must be entered as that of 48 hours, unless it be certain that it fell on one of the two days only.

The Sunday entries for the columns headed "rain began at," &c., may be filled in by memory on Monday.

In calculating the total rain and melted snow, one inch of snow may be reckoned as equal to one-tenth of an inch of water. This estimation, though not exact, will serve for ordinary purposes.