U. S. DEPARTMENT OF AGRICULTURE.

ANNUAL SUMMARY. 1896.

MARYLAND AND DELAWARE SECTION

OF THE

CLIMATE AND CROP SERVICE

OF THE

WEATHER BUREAU.

IN COOPERATION WITH THE

MARYLAND STATE WEATHER SERVICE.

PREPARED UNDER THE DIRECTION OF

WILLIS L. MOORE,

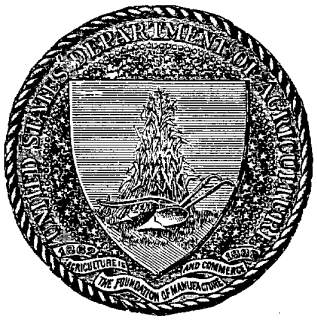
CHIEF OF BUREAU.

BY

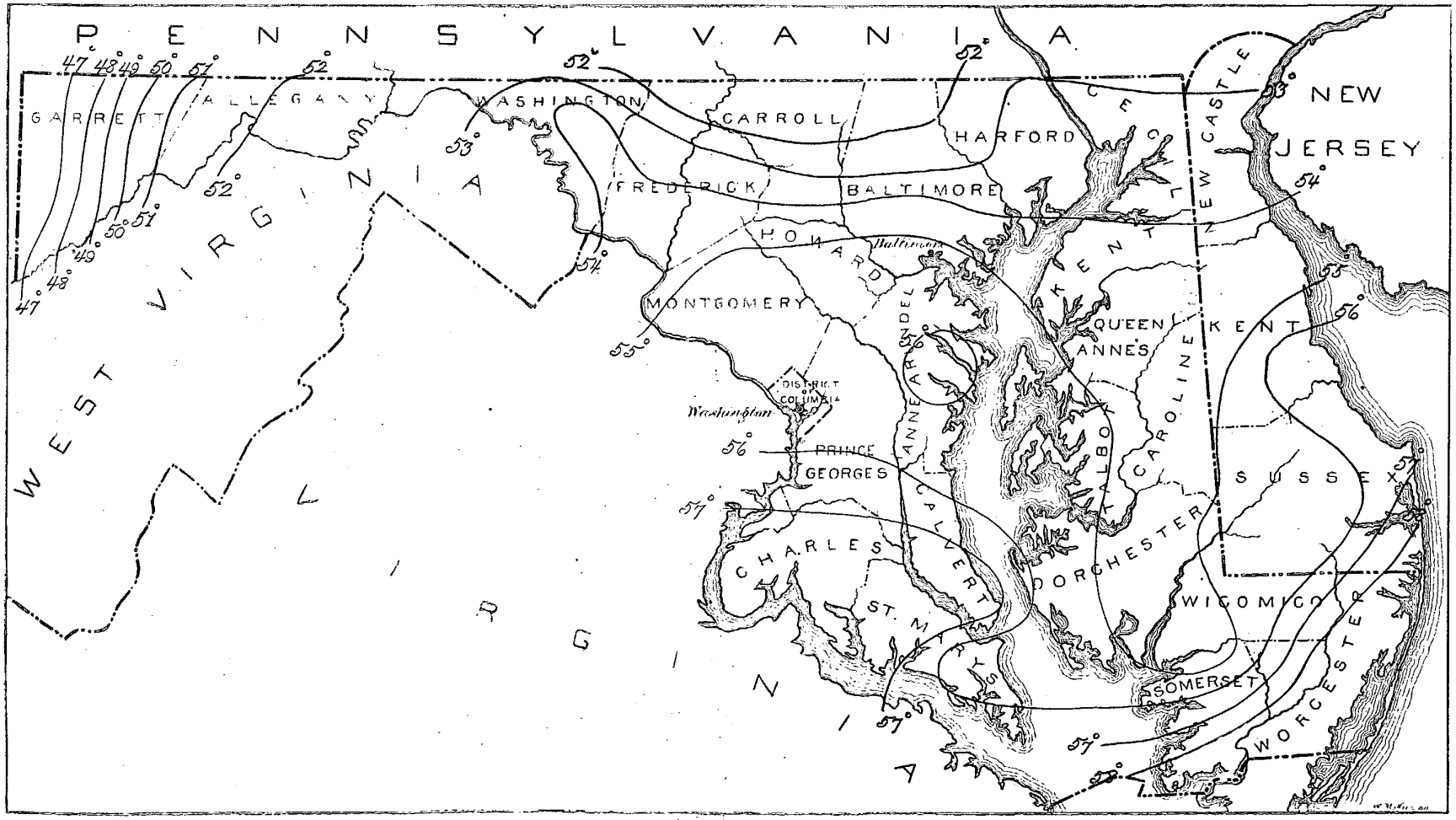
F. J. WALZ,

LOCAL FORECAST OFFICIAL AND SECTION DIRECTOR,

JOHNS HOPKINS UNIVERSITY, BALTIMORE, MD.



ANNUAL MEAN ISOTHERMS FOR 1896.



U. S. DEPARTMENT OF AGRICULTURE,

CLIMATE AND CROP SERVICE

OF THE

WEATHER BUREAU.

Central Office, WASHINGTON, D. C. — WILLIS L. MOORE, Chief.

IN COOPERATION WITH THE

MARYLAND STATE WEATHER SERVICE.

MARYLAND AND DELAWARE SECTION,

F. J. WALZ, Section Director,

BALTIMORE, MD.

CLIMATOLOGY OF THE YEAR 1896.

A review of the climatic history of 1896 shows that the year in its entirety approximated closely to the normal conditions that have been established for Maryland and Delaware. The annual mean temperature for the entire territory was 54°, or less than one degree above the normal annual record. The precipitation for the year, 37.11 inches, was less than two inches below the usual annual fall. The heaviest annual amounts fell in the mountain districts of Western Maryland, while the area of lightest rain and snow is found to extend in a narrow belt from Washington county southeastward to include all of Southern Maryland except the immediate shore line. Entire Eastern Maryland, with the exception of a limited area in Talbot county, and most of the North-Central counties, gave annual precipitation measurements of thirty-five to forty inches, and the greater part of Delaware summed up slightly higher figures, the annual amounts being from forty to nearly forty-five inches. The abnormal climatic features worthy of notice were the cold waves that culminated on January 4th to 6th, February 17th to 20th, and March 13th to 14th; the unusually severe and prolonged heated term of August 4th to 16th, and the storm of September 29th. With respect to the distribution of rainfall, there were, of course, periods of dry and wet, but no disastrous droughts were felt, and the only flooding rains, those occurring towards the close of July, were confined to the extreme western counties, and the damage that resulted was entirely local. Of the cold-wave periods mentioned, those of January and February were the most severe, and the dates of January 6th and February 17th shared about evenly the honors of being the coldest of the year. The hot wave of August was of unusual duration, covered an immense area of country, and caused great suffering to humanity, especially in the large centres of population. The storm of September 29th was of tropical origin, traveled rapidly up the eastern coast of the United States, and was accompanied with destructive winds that did much damage to buildings, forests, and small sailing craft. Nearly all crops had been harvested and housed, and only a few fields of late corn were left to withstand the destructive progress of the winds. No storm was ever more thoroughly heralded by the Weather Bureau, and the precautions taken in Baltimore alone, especially among shippers, saved from peril and probable destruction many lives and thousands of dollars' worth of property.

ANNUAL SUMMARY.

ATMOSPHERIC PRESSURE—IN INCHES AND HUNDREDTHS.

Annual mean at Washington, D. C., 30.10; at Baltimore, 30.08; average, 30.09; highest, 30.94, at Washington, D. C., on December 28th; lowest, 28.71, at Washington, D. C., on February 6th.

TEMPERATURE—IN DEGREES FAHRENHEIT.

The annual mean (entire territory), 54.0°, was 0.6° above the normal.

The highest annual mean was 58.7°, at Pocomoke City.

The lowest annual mean was 46.9°, at Sunnyside.

The highest temperature recorded during the year was 103°, at Wilmington, Del., on August 6th.

The lowest temperature recorded during the year was —13°, at Deer Park, on January 6th.

The annual range of temperature, within the sectional limits, was 116°.

The greatest local annual range was 110°, at Flintstone.

The least local annual range was 87°, at Solomons and Chestertown.

The greatest local daily range in the year was 56°, at Sunnyside, on December 28th.

The least local daily range in the year was 0, at several stations and on a number of dates.

PRECIPITATION—IN INCHES AND HUNDREDTHS.

The annual average (entire territory), 37.11, was 1.97 below the normal.

The greatest annual amount was 64.94, at Sunnyside.

The least annual amount was 30.18, at Great Falls.

The greatest local monthly fall was 15.27, at Sunnyside, in July.

The least local monthly fall was a trace, at Western Maryland College, in October.

The greatest fall in twenty-four hours was 4.50, at Boettcherville, on September 29th.

The average number of rainy days for the year was ninety-two.

WIND.

Northwesterly winds ruled during the months of winter and early spring, but the prevailing wind direction for the year was from the southwest.

The total annual wind movement was 60,249 miles at Baltimore, and 61,242 miles at Washington, D. C.

The maximum wind velocity for the year was sixty-six miles per hour from the southeast, at Washington, D. C., on September 29th.

MISCELLANEOUS.

The average number of clear days, 156.

The average number of partly cloudy days, 112.

The average number of cloudy days, 98.

The sunshine received during the year at Baltimore was 45 per cent. of the possible amount.

Thunderstorms occurred in every month but December.

Hail fell in January to May, inclusive, July, September, and December.

Sleet fell in February, March, April, and December.

Solar halos were seen in January to March, June, July, November, and December.

Lunar halos were observed in January to May, July, and September to December.

Lunar coronæ were observed in every month of the year.

Polar bands were seen on January 13th and 29th, March 28th, and December 21st.

Auroral displays were witnessed on January 8th, February 12th and 15th, March 3d, 4th, and 7th, April 5th, 8th, 9th, 10th, and 30th, September 4th and 8th, November 1st, 6th, 24th, and 28th, and December 3d, 4th, and 24th.

Solar parhelia were seen on March 14th and May 2d.

An earthquake shock was felt at Wilmington, Del., on November 20th.

* * *

CLIMATE AND CROP REVIEW—BY MONTHS.

January, the entire month considered, gave about normal temperatures, although the lowest of the year, —13°, was recorded on the 6th. Cold, dry, northwest winds prevailed, and the precipitation was deficient by an inch and a half. The amount of sunshine received was 58 per cent. of the possible.

The temperature for February was slightly above normal. The month was wet, especially during the first decade, the excess in moisture being 2.30 inches. Only about half the possible amount of sunshine was received.

March was cold, the daily deficiency in temperature averaging four degrees. Moisture was slightly in excess. The percentage of sunshine was about as in January.

April was cold and damp during the first eleven days, following which came a warming to midsummer heat, and a prevalence of conditions favorable in all respects to crop development and growth. There was no general record of frosts subsequent to the 11th. Farming operations were backward until about the 15th, but rapid progress was made during the fine weather that succeeded, and the month closed with all agricultural interests in good condition.

Light to moderately heavy showers prevailed throughout the month of May, and a slight excess in precipitation was the result. Thunderstorms were of frequent occurrence, with hail as an occasional accompaniment. The month was warm, averaging daily about 3.5 degrees above seasonal heat. About half the possible amount of sunshine was received. The crops of Maryland and Delaware developed irregularly during the month, and its close witnessed all staple products in about an average condition. In some sections damage had been inflicted by hail; in a few others local drought had cut down prospects. Grain and grasses were rather short, considering the section as a whole. Potatoes and corn were doing well, despite the presence of cutworms and beetles. Haying began with yields a little below average.

June was cool, with fairly general and slightly excessive showers, and frequent thunderstorms. Sunshine was a little over half the possible supply. The month closed with pastures and gardens in excellent condition; melons, corn, peaches, potatoes, tobacco and truck were likewise doing finely; apples scarce; a large acreage of sweet potatoes was planted in Southern Maryland; wheat harvest was delayed in some sections by frequent rains; haying continued, with a slight improvement in yield.

During July temperature and sunshine were slightly in excess, and rainfall appreciably so, with a continuation of frequent thunderstorm periods. Excessive downpours of rain in districts of Western Maryland did much damage to bridges, fences, fruit trees and crops. All growth showed marked improvement during the month, with the exception of local injury sustained. Wheat harvest was completed; large quantities of peaches were shipped; haying, threshing, and other farm work was interrupted during the closing week by rains.

Light and infrequent thundershowers gave less than half a normal August rainfall. The temperature was above normal, and the highest readings of the thermometer for the year were mainly observed on the 6th to 10th; from the 4th to the 16th the heat record was continuously above normal, the daily excess ranging from three to thirteen degrees. There was a marked excess of sunshine. Wheat threshing was generally completed during the first week in August, except in Western Maryland, where, owing to wet weather, it was not finished until later. The final threshing was rather poor in quality, otherwise a good grade of wheat was secured; the entire yield was, however, below the average in quantity. Before the close of the month the greater part of the tobacco crop was housed, and much of the early corn was in shock. The yield of peaches was abundant, and heavy shipments continued.

September gave a slight excess in temperature and rainfall, the latter being fairly well distributed. Sunshine was about normal. A local storm on the 12th, and the severe storm of the 29th already described, were the main features of interest. General and heavy rains during the first week benefited all growth, except the late crops of corn and tobacco, which were beyond improvement. The second week was dry, the soil became hardened, and plowing was consequently interrupted. Corn cutting was about completed, with a good yield. Peach shipments approached a close, and but little fruit remained ungathered. During the third week timely rains fell, plowing was resumed and pushed rapidly forward. The month closed with dry weather, broken in spots by very light showers.

October was comparatively uneventful in its meteorological features. Sunshine was plentiful. Temperature and rainfall were deficient. The bulk of rain fell over Delaware and extreme Eastern and Western Maryland; portions of Sussex county alone reported a normal amount of moisture.

Warm, sunshiny weather prevailed throughout November. The temperature was six degrees above normal for the entire territory, reaching eight degrees above in Delaware, where the greatest excess of heat was felt. The month's rainfall was somewhat in excess in Western and Northern-Central Maryland, and slightly deficient elsewhere, giving about normal figures for the entire section. The rain periods were well distributed throughout the month.

The precipitation for December was decidedly deficient, the average amount being 0.84 inch, which was much below the record obtained in any of the preceding months of the year. This lack of moisture was detrimental to grass lands and fall crops, and interfered with agricultural pursuits generally. There was an excess of sunshine. Comparatively warm weather prevailed from the 6th to the 14th, but the month, as a whole, gave an average temperature about two degrees below the normal.

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KILLING FROSTS—LAST IN SPRING AND FIRST IN AUTUMN, AT STATIONS RECORDING THEIR OCCURRENCE.

Stations.	Last in Spring.	First in Autumn.
Annapolis	.....	October 26.
Bachman's Valley	.....	September 24.
Boettcherville	.....	October 9.
Cumberland	.....	October 10.
Darlington	.....	October 8.
Fallston	April 9	October 8.
Flintstone	.....	October 1.
Green Spring Furnace	.....	October 12.
Jewell	.....	October 19.
Mardela Springs	April 11	October 9.
Mt. St. Mary's College	.....	October 22.
Pocomoke City	April 9	October 22.
Princess Anne	April 11	September 24.
Sharpsburg	.....	September 24.
Solomon's	April 9	.....
Sunnyside	April 23	September 22.
Taneytown	.....	October 9.
Van Bibber	April 22	.....
Woodstock	April 9	October 8.
Dover, Del	.....	October 25.
Millsboro, Del	.....	October 8.
Newark, Del	April 9	October 9.
Seaford, Del	May 8	October 9.
Wilmington, Del	April 9	October 25.

Climatological data for the year 1896.

Stations.	Counties.	Elevation, feet.	Temperature (degrees Fahrenheit).						Precipitation (inches).							Number rainy days.	Sky.			Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall.		Number clear days.	Number partly cloudy days.	Number cloudy days.	
WESTERN MARYLAND.																				
Boettcherville	Allegany	900	6	.....	98	Aug. 9	— 6	Mar. 13	6	43.20	6.90	Sept.	1.00	Dec.	45.0	84	.....	.....	.....	.....
Cumberland No. 1	do	650	37	56.7	97	Aug. 9	1	Feb. 20	37	38.17	5.77	Sept.	0.94	Dec.	34.2	83	.....	.....	.....	.....
Cumberland No. 2	do	650	26	.....	93	Aug. 9	.....	.....	26	.....	5.56	Sept.	0.91	Dec.	.....	.....	.....	.....	.....	.....
Deer Park	Garrett	2,457	5	47.2	91	Aug. 9	—13	Jan. 6	5	48.61	13.65	July	0.70	Jan.	.....	79	.....	.....	.....	.....
Flintstone	Allegany	.....	1	.....	98	Aug. 9	—12	Mar. 3	1	.....	8.07	Sept.	0.61	Dec.	.....	.....	.....	.....	.....	.....
Grantsville	Garrett	2,100	3	48.1	91	Aug. 5	— 8	Jan. 6	3	50.65	10.17	July	1.81	Jan.	.....	126	.....	.....	.....	sw.
Green Spring Fur	Washington	500	4	53.5	97	Aug. 9	— 1	Mar. 14	4	31.39	5.02	Sept.	0.57	Dec.	25.0	92	165	117	84	w.
Hagerstown	do	550	5	54.8	97	Aug. 6	1	Mar. 13	5	33.64	6.08	July	0.40	Dec.	.....	80	159	100	107	.....
Sharpsburg	do	420	2	53.2	96	Aug. 6	— 2	Mar. 13	2	33.03	5.79	June	0.52	Dec.	22.7	92	187	86	93	sw.
Sunnyside	Garrett	2,440	4	46.9	91	July 13	—12	Feb. 17	4	64.94	15.27	July	1.73	Jan.	87.4	151	143	71	152	sw.
Westernport	Allegany	1,000	2	51.8	100	June 20	— 3	Mar. 13	2	37.18	7.60	July	0.67	Dec.	34.1	115	.....	.....	.....	.....
Entire Section		.....	.....	51.5	100	June 20	—13	Jan. 6	.....	41.73	15.27	July	0.40	Dec.	49.6	108	142	109	115	sw.
NORTHERN-CEN. MD.																				
Bachman's Valley	Carroll	.....	3	51.9	98	Aug. 6	— 3	Mar. 13	3	39.04	6.19	Feb.	1.27	Dec.	28.7	91	201	75	90	nw.
Baltimore	Baltimore	123	62	55.8	98	Aug. 7	5	Feb. 17	62	38.59	7.07	Feb.	0.37	Dec.	23.2	115	97	136	133	sw.
Darlington Academy	Harford	300	7	53.4	95	Aug. 7	2	Feb. 17	7	36.16	5.12	Feb.	0.34	Dec.	22.5	76	201	73	92	sw.
Fallston School	do	450	28	52.9	95	Aug. 9	3	Feb. 17	28	39.85	6.35	Feb.	0.40	Dec.	23.7	106	63	234	69	sw.
Frederick	Frederick	250	24	54.2	99	Aug. 9	— 5	Jan. 5	24	31.81	6.15	Feb.	0.59	Dec.	21.5	97	109	188	69	.....
Great Falls	Montgomery	150	8	55.4	94	Aug. 7	9	Jan. 4	8	30.18	5.50	Feb.	0.43	Oct.	.....	67	.....	.....	.....	.....
Johns Hopkins Hos.		124	2	54.7	97	Aug. 9	5	Feb. 17	2	.....	.....	.....	.....	.....	.....	.....	157	57	152	nw.
McDonogh School	Baltimore	545	21	.....	.....	.....	2	Feb. 17	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mt. St. Mary's College	Frederick	720	36	.....	96	Aug. 6	5	Jan. 4	36	.....	5.75	Mar.	0.56	Dec.	27.0	.....	.....	.....	.....	.....
New Market	do	550	13	54.6	98	Aug. 9	4	Feb. 17	13	35.13	5.97	Feb.	0.50	Dec.	21.0	77	164	102	100	nw.
St. Charles College	Howard	300	2	.....	.....	.....	10	Jan. 5	2	.....	5.51	Feb.	0.42	Dec.	.....	.....	.....	.....	.....	.....
Taneytown	Carroll	.....	4	.....	100	Aug. 9	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Van Bibber	Harford	.....	1	53.5	97	July 14	4	Feb. 16	1	34.93	5.49	Feb.	0.33	Dec.	.....	97	.....	.....	.....	sw.
Western Md. College	Carroll	.....	2	.....	.....	.....	1	Feb. 17	2	.....	6.46	Feb.	T.	Oct.	.....	.....	.....	.....	.....	.....
Woodstock College	Baltimore	392	27	.....	97	Aug. 7	— 4	Mar. 13	27	.....	6.12	Mar.	1.00	Oct.	16.5	.....	.....	.....	.....	.....
Entire Section		.....	.....	54.2	100	Aug. 9	— 5	Jan. 5	.....	34.73	7.07	Feb.	T.	Oct.	24.9	87	159	114	93	nw.
SOUTHERN MARYLAND.																				
Annapolis	Anne Arundel	20	23	57.4	94	Aug. 10	5	Jan. 4	23	.....	7.48	Feb.	0.77	Dec.	.....	64	242	10	114	.....
Charlotte Hall School	St. Mary's	167	3	.....	98	Aug. 9	5	Jan. 6	3	.....	4.87	Feb.	0.34	Dec.	3.5	.....	.....	.....	.....	nw.
Cherryfields	do	20	3	55.5	86	Aug. 9	12	Feb. 21	3	37.21	8.56	July	0.79	Aug.	6.5	100	122	186	58	nw.
Distribut'g Reservoir	Dist. of Columbia.	120	6	56.0	96	Aug. 7	9	Feb. 17	6	.....	5.02	Feb.	0.30	Oct.	.....	.....	.....	.....	.....	.....
Jewell	Anne Arundel	165	9	55.7	97	Aug. 9	6	Jan. 6	9	36.19	5.60	Feb.	0.38	Oct.	2.5	67	209	71	86	sw.
Laurel	Prince George's	.....	2	.....	97	Aug. 6	.....	.....	2	.....	7.89	July	0.20	Dec.	.....	.....	.....	.....	.....	.....
Md. Agricultural Col.	do	170	5	53.7	98	Aug. 6	7	Feb. 22	5	30.27	5.51	Feb.	0.28	Dec.	8.2	85	.....	.....	.....	.....
Receiving Reservoir	Dist. of Columbia.	160	6	55.8	95	Aug. 9	9	Jan. 6	6	.....	5.21	Feb.	0.33	Oct.	.....	.....	.....	.....	.....	.....
Solomon's	Calvert	20	5	57.5	98	Aug. 12	11	Jan. 5	5	34.80	6.44	Feb.	0.92	Dec.	4.9	102	107	75	184	sw.
Washington	Dist. of Columbia.	112	26	55.5	98	Aug. 6	8	Jan. 6	26	31.16	5.31	Feb.	0.30	Dec.	11.6	124	148	100	118	s.
Entire Section		.....	.....	55.9	98	Aug. 6	5	Jan. 4	.....	32.23	8.56	July	0.20	Dec.	6.5	88	157	112	97	sw.
EASTERN MARYLAND.																				
Chestertown	Kent	80	12	54.3	93	Aug. 13	6	Feb. 17	12	39.96	6.12	Feb.	0.86	Dec.	8.0	78	190	96	80	sw.
Denton	Caroline	42	7	.....	98	Aug. 12	5	Feb. 17	7	.....	6.05	Feb.	0.83	Dec.	.....	.....	.....	.....	.....	.....
Easton	Talbot	35	7	55.0	98	Aug. 6	7	Feb. 17	7	30.93	5.96	Feb.	0.98	Dec.	5.0	81	214	77	75	nw.
Mardela Springs	Wicomico	25	9	55.0	100	Aug. 11	6	Jan. 6	9	38.84	6.90	Sept.	0.95	Jan.	7.3	85	133	125	108	nw.
Pocomoke City	Worcester	37	3	58.7	100	Aug. 9	9	Jan. 6	3	.....	6.52	Feb.	1.03	Apr.	.....	.....	157	137	72	s.
Princess Anne	Somerset	20	22	54.1	98	Aug. 10	4	Jan. 6	22	37.92	6.80	Feb.	0.96	Apr.	3.5	100	100	195	71	sw.
Entire Section		.....	.....	55.4	100	Aug. 9	4	Jan. 6	.....	36.86	6.90	Sept.	0.83	Dec.	8.1	89	164	121	81	sw.
DELAWARE.																				
Dover	Kent	40	20	54.6	95	Apr. 19	7	Feb. 17	20	41.62	7.63	June	0.68	Aug.	12.9	89	207	83	76	nw.
Milford	do	.....	17	56.4	99	Aug. 8	9	Jan. 6	17	41.14	6.92	June	1.21	Apr.	9.4	80	265	14	87	sw.
Millsboro	Sussex	.....	4	55.4	98	Aug. 10	6	Jan. 6	4	44.90	7.18	Feb.	1.59	Apr.	13.8	110	201	90	75	n.
Newark (Del. Coll.)	Newcastle	.....	3	52.8	98	Aug. 6	9	Feb. 17	3	30.70	4.81	Feb.	0.56	Dec.	14.5	89	133	121	112	sw.
Seaford	Sussex	.....	6	55.0	97	Aug. 9	6	Jan. 6	6	48.00	7.50	July	1.01	Dec.	10.5	92	.....	.....	.....	.....
Wilmington	Newcastle	115	3	.....	103	Aug. 6	1	Feb. 17	3	.....	6.00	Feb.	0.47	Aug.	.....	.....	.....	.....	.....	w.
Entire Section		.....	.....	55.0	103	Aug. 6	1	Feb. 17	.....	41.33	7.63	June	0.47	Aug.	11.6	93	176	113	83	sw.
Entire Territory		.....	.....	54.0	103	Aug. 6	—13	Jan. 6	.....	37.11	15.27	July	T.	Oct.	23.0	92	156	112	98	sw.

Monthly and annual mean temperature for the year 1896, with departures from the normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
WESTERN MARYLAND.																										
Boettcherville	30.5	+ 2.4	34.2	+ 3.9	33.4	— 7.0	54.4	+ 3.6	66.1	+ 3.9	66.8	— 5.6	73.4	+ 2.6	70.7	— 3.8	63.4	— 2.8	48.6	— 3.3	44.0	+ 4.2	.....	.....	.....	.....
Cumberland No. 1	35.6	+ 4.3	35.8	+ 3.8	39.4	+ 0.7	61.2	+10.6	71.2	+ 9.9	73.5	+ 3.2	76.0	+ 3.3	76.4	+ 6.2	69.4	+ 5.1	54.4	+ 1.8	50.5	+ 8.8	36.8	+ 3.0	56.7	+ 5.0
Cumberland No. 2	30.8	+ 1.0	.....	.....	.....	.....	55.2	+ 5.8	66.5	+ 6.6	68.7	— 0.4	74.0	+ 1.9	72.1	+ 2.0	65.2	+ 2.5	50.0	— 1.1	46.3	+ 6.2	32.1	— 0.5	.....	.....
Deer Park	27.4	.....	27.2	.....	28.6	.....	48.3	.....	61.3	.....	63.0	.....	67.6	.....	65.6	.....	59.5	.....	44.8	.....	43.1	.....	30.1	.....	47.2	.....
Flintstone	.....	.....	34.2	.....	33.8	.....	55.4	.....	66.4	.....	68.2	.....	74.0	.....	71.1	.....	63.4	.....	48.2	.....	46.3	.....	.....	.....	.....	.....
Grantsville	26.8	.....	27.4	.....	29.4	.....	51.5	.....	62.0	.....	63.4	.....	68.0	.....	67.4	.....	60.9	.....	46.6	.....	43.8	.....	30.2	.....	48.1	.....
Green Spring Furnace	30.8	+ 4.1	33.1	+ 2.5	34.8	— 0.6	55.6	+ 4.8	67.2	+ 3.5	69.8	— 4.6	74.8	— 1.2	78.6	+ 2.1	66.0	— 3.1	50.6	+ 1.2	48.0	+ 8.7	32.9	+ 2.5	53.5	+ 1.7
Hagerstown	32.2	.....	34.8	.....	35.2	.....	57.3	.....	68.8	.....	71.1	.....	77.0	.....	75.2	.....	68.0	.....	52.0	.....	49.4	.....	36.0	.....	54.8	.....
Hancock	31.7	.....	.....	.....	37.1	.....	56.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oakland	27.2	— 1.3	27.4	+ 5.2	29.8	— 5.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sharpsburg	30.7	.....	33.0	.....	35.0	.....	55.8	.....	66.6	.....	69.2	.....	75.1	.....	73.7	.....	65.9	.....	51.0	.....	48.8	.....	33.0	.....	53.2	.....
Sunnyside	25.1	+ 2.8	26.5	+ 4.5	26.4	— 8.9	50.4	+ 4.6	61.5	+ 6.7	64.0	— 1.3	68.0	+ 1.7	66.0	+ 0.6	59.3	— 2.8	44.6	+ 0.8	42.0	+ 6.2	28.9	+ 6.6	46.9	+ 1.3
Westernport	28.6	.....	30.6	.....	28.6	.....	55.3	.....	67.4	.....	71.5	.....	75.3	.....	72.0	.....	67.6	.....	48.8	.....	45.5	.....	32.4	.....	51.8	.....
Average	29.3	+ 2.3	31.3	+ 3.3	32.7	— 1.4	54.0	+ 5.5	65.9	+ 6.5	68.3	— 1.3	73.0	+ 2.7	71.3	+ 1.1	64.2	+ 0.1	49.1	+ 0.2	46.2	+ 7.6	32.4	+ 0.9	51.5	+ 2.5
NORTHERN-CENTRAL MD.																										
Bachman's Valley	29.2	.....	32.8	.....	33.4	.....	53.7	.....	66.5	.....	68.0	.....	74.4	.....	72.0	.....	64.5	.....	50.4	.....	47.1	.....	31.2	.....	51.9	.....
Baltimore	33.6	— 0.5	36.0	— 0.9	38.1	+ 0.2	56.6	+ 3.7	69.0	+ 5.0	71.3	— 1.1	77.7	+ 1.0	76.2	+ 1.9	68.4	+ 0.1	54.8	— 3.3	51.0	+ 3.9	36.4	— 2.1	55.8	+ 0.1
Burkittsville	.....	.....	33.2	.....	37.1	.....	57.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Darlington Academy	30.4	+ 1.9	32.8	+ 4.8	35.2	— 4.3	56.6	+ 6.6	66.8	+ 5.2	69.5	— 2.0	75.7	+ 1.4	74.0	+ 1.3	65.7	— 0.9	51.7	— 1.4	49.5	+ 7.4	33.0	+ 5.0	53.4	+ 1.2
Fallston School	31.0	+ 0.7	33.1	+ 0.8	35.2	— 2.8	54.4	+ 4.6	65.2	+ 4.1	69.6	— 0.5	74.7	+ 0.6	73.3	+ 1.6	65.3	+ 0.1	51.6	— 2.6	48.5	+ 6.0	33.2	— 4.0	52.9	+ 0.7
Frederick	32.4	+ 0.8	34.7	+ 2.0	36.0	— 4.1	56.0	+ 4.0	66.6	+ 3.7	70.2	— 1.9	76.1	+ 0.4	74.4	+ 1.0	67.0	+ 0.6	53.0	— 1.5	49.4	+ 6.0	34.6	— 0.5	54.2	+ 0.9
Fred'k (Woman's Col.)	33.4	.....	36.5	.....	36.4	.....	56.9	.....	66.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Great Falls	32.0	+ 0.9	35.6	+ 2.9	37.4	— 3.9	57.4	+ 4.2	68.9	+ 4.7	72.2	— 2.6	77.7	+ 2.4	76.0	+ 0.9	67.9	— 0.6	54.1	0.0	50.3	+ 7.2	34.8	— 1.8	55.4	+ 1.3
Johns Hopkins Hosp'l	32.2	.....	34.2	.....	36.8	.....	55.8	.....	68.4	.....	70.9	.....	77.2	.....	75.5	.....	67.4	.....	53.7	.....	49.6	.....	34.5	.....	54.7	.....
McDonogh School	32.8	+ 1.8	34.3	+ 0.9	36.0	— 2.2	57.2	+ 6.5	67.2	+ 5.4	68.4	— 2.4	.....	.....	.....	.....	.....	.....	53.0	— 1.3	51.2	+ 7.9	37.5	+ 2.9	.....	.....
Mt. St. Mary's College	31.1	.....	32.4	.....	35.0	.....	55.2	.....	.....	.....	69.4	.....	73.5	.....	72.0	.....	67.0	.....	51.8	.....	48.4	.....	33.0	.....	.....	.....
New Market	30.8	— 0.3	36.2	+ 3.5	35.9	— 2.9	56.8	+ 7.1	67.6	+ 4.7	72.9	— 0.9	78.0	+ 1.1	75.4	+ 2.0	66.5	+ 0.9	52.9	— 1.5	49.2	+ 6.9	33.2	— 1.3	54.6	+ 1.6
St. Charles College	34.6	.....	36.8	.....	38.4	.....	56.8	.....	68.4	.....	70.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	52.1	.....	37.8	.....	.....	.....
Taneytown	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	76.8	.....	76.0	.....	68.2	.....	53.0	.....	49.4	.....	33.7	.....	.....	.....
Van Bibber	31.8	.....	32.9	.....	35.0	.....	55.1	.....	67.2	.....	70.0	.....	77.0	.....	75.2	.....	66.4	.....	51.8	.....	47.2	.....	32.2	.....	53.5	.....
Western Md. College	32.0	.....	34.9	.....	37.8	.....	59.7	.....	70.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	52.6	.....	52.6	.....	35.2	.....	.....	.....
Woodstock College	31.4	+ 0.6	34.4	+ 1.6	36.1	— 2.5	55.6	+ 4.5	66.8	+ 4.6	69.2	— 0.8	.....	.....	73.3	+ 1.7	65.0	+ 0.1	50.1	— 3.0	47.7	+ 6.3	31.4	— 1.7	.....	.....
Average	31.9	+ 0.5	34.4	+ 1.5	36.1	— 3.1	56.3	+ 5.5	67.5	+ 5.5	70.1	— 1.6	76.5	+ 1.3	74.8	+ 2.2	66.6	+ 0.5	52.5	+ 1.4	49.5	+ 6.5	34.1	— 1.1	54.2	+ 1.4
SOUTHERN MARYLAND.																										
Annapolis	31.0	— 3.1	34.8	— 0.8	38.5	— 3.1	57.8	+ 5.0	70.8	+ 7.5	76.1	+ 2.0	82.4	+ 4.0	76.4	— 0.1	68.4	— 1.1	58.2	+ 0.6	54.0	+ 8.2	40.1	.....	57.4	.....
Charlotte Hall School	33.6	.....	36.8	.....	39.2	.....	57.8	.....	69.7	.....	70.8	.....	77.0	.....	76.8	.....	.....	.....	55.5	.....	54.0	.....	38.4	.....	.....	.....
Cherryfields	32.8	.....	36.8	.....	39.0	.....	55.4	.....	67.8	.....	71.7	.....	76.4	.....	76.2	.....	67.8	.....	55.4	.....	51.2	.....	35.7	.....	55.5	.....
Distributing Reservoir	33.0	+ 2.2	35.8	+ 2.8	39.0	— 3.0	57.3	+ 3.8	69.6	+ 5.2	72.3	— 3.0	78.1	+ 5.9	76.6	+ 0.5	68.4	— 0.2	55.2	+ 0.9	51.2	+ 7.4	36.0	— 0.1	56.0	+ 1.4
Jewell	33.2	— 1.3	37.1	+ 1.9	38.7	— 1.9	57.0	+ 1.7	68.3	+ 4.1	71.2	— 3.6	76.4	+ 0.7	75.8	+ 0.3	67.8	— 1.9	54.3	— 0.5	52.6	+ 6.7	35.6	— 2.9	55.7	+ 0.3
Laurel	.....	.....	.....	.....	38.5	.....	56.2	.....	67.9	.....	70.4	.....	76.4	.....	74.1	.....	67.2	.....	52.0	.....	50.0	.....	34.2	.....	.....	.....
Md. Agricultural Col.	35.0	+ 0.5	35.8	+ 1.7	37.0	— 7.9	55.4	+ 2.1	66.2	+ 3.8	68.9	— 3.0	74.1	+ 0.7	73.7	+ 0.1	65.7	— 4.1	52.3	— 2.7	47.2	+ 1.3	33.5	.....	53.7	.....
Receiving Reservoir	32.7	+ 1.8	35.4	+ 3.2	38.0	— 3.4	57.8	+ 4.8	69.2	+ 5.2	72.4	— 2.4	78.0	+ 1.8	76.5	+ 0.9	68.2	— 1.4	54.6	— 0.3	50.6	+ 1.8	35.6	— 0.5	55.8	+ 1.4
Solomon's	34.9	+ 1.5	37.4	+ 1.2	40.1	— 2.9	55.8	+ 2.6	69.8	+ 5.4	73.8	+ 0.4	78.9	+ 1.0	79.0	+ 1.0	71.0	— 1.2	57.4	— 1.5	53.4	+ 5.9	38.4	— 1.1	57.5	+ 1.1
Upper Marlboro	31.8	.....	35.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington	33.3	+ 0.7	36.7	+ 0.6	38.5	— 2.9	56.6	+ 3.8	68.8	+ 5.2	71.3	— 0.2	76.7	— 0.9	75.8	+ 2.3	67.8	+ 0.4	54.0	— 3.3	50.6	+ 6.2	35.6	— 2.2	55.5	+ 0.7
Average	33.4	— 0.2	36.2	+ 0.7	38.6	— 1.8	56.4	+ 2.8	68.8	+ 4.7	72.0	— 1.6	77.5	+ 0.3	77.1	+ 1.5	68.0	— 1.0	54.9	— 1.6	51.2	+ 5.5	36.3	+ 0.3	55.9	+ 0.8
EASTERN MARYLAND.																										
Cambridge	34.8	.....	38.0	.....	41.4	.....	59.0	.....	69.8	.....	71.5	.....	77.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chestertown	31.8	— 0.9	34.2	+ 2.1	37.4	— 4.3	54.6	+ 3.8	66.6	+ 4.0	71.8	0.0	76.0	+ 0.2	75.4	+ 1.3	67.0	— 1.2	53.5	— 1.7	50.0	+ 4.3	33.4	— 2.2	54.3	+ 0.4
Denton	33.8	.....	38.2	.....	38.0	.....	55.8	.....	70.4	.....	71.0	.....	75.6	.....	76.0	.....	.....	.....	.....	.....	.....	.....	34.0	.....	.....	.....
Easton	32.5	— 0.5	36.2	+ 1.6	39.0	— 4.6	56.4	+ 2.0	67.1	+ 2.6	69.6	— 3.9	76.9	+ 6.1	75.5	+ 0.7	67.4	— 1.7	54.0	— 2.6	51.0	+ 6.3	34.5	— 3.9	55.0	+ 0.1
Mardela Springs	33.1	— 3.1	36.6	+ 0.4	39.0	— 2.5	55.5	+ 2.5	67.2	+ 4.3	71.8	— 1.2	77.2	+ 2.9	74.3	— 0.8	66.6	— 1.5	53.4	— 1.4	51.9	+ 5.6	33.8	— 5.1	55.0	0.0
Pocomoke City	38.0	.....	40.2	.....	43.7	.....	58.3	.....	70.2	.....	74.2	.....	79.3	.....	76.0	.....	70.2	.....	58.2	.....	56.2	.....	40.2	.....	58.7	.....
Princess Anne	32.6	— 5.6	36.2	— 2.8	39.7	— 7.6	55.1	— 0.9	66.3	+ 1.8	70.0	— 2.7	75.6	— 1.8	73.4	— 2.6	64.8	— 5.2	51.8	— 5.1	49.8	+ 0.9	34.4	— 6.8	54.1	— 3.5
Average	33.8	+ 0.2	36.9	+ 2.5	39.7	— 2.3	56.0	+ 3.2	68.2	+ 5.8	71.4	— 0.8	76.9	+ 1.7	75.1	+ 0.7	67.2	— 1.3	54.2	— 1.7	50.7	+ 5.4	35.0	— 2.6	55.4	+ 0.9
DELAWARE.																										
Dover	32.3	— 1.8	36.1	+ 1.0	38.0	— 3.8	55.6	+ 2.6	68.6	+ 5.1	70.0	— 3.1	76.2	— 0.5	74.8	+ 0.1	66.4	— 1.1	53.1	— 3.5	50.8	+ 6.4	33.9	— 2.5	54.6	— 0.1
Milford	33.2	— 3.0	37.2	+ 3.0	39.8	— 2.7	56.6	+ 5.0	68.6	+ 7.4	71.6	— 0.9	78.1	+ 2.1	77.0	+ 2.8	68.4	+ 2.0	55.9	+ 1.5	54.2	+ 8.8	36.6	— 1.0	56.4	+ 2.2
Millsboro	32.2	+ 0.4	36.8	+ 4.7	39.6	— 3.3	55.2	+ 2.6	67.6	+ 5.0	71.3	— 1.2	77.0	+ 1.4	74.9	+ 0.7	67.2	— 2.2	54.0	— 1.1	53.9	+ 8.6	35.1	— 4.6	55.4	+ 0.9
Newark (Del. Coll.)	29.8	.....	33.0	.....	35.2	.....	53.6	.....	66.2	.....	69.0	.....	75.9	.....	74.8	.....	65.7	.....	51.4	.....	48.5	.....	31.1	.....	52.8	.....
Seaford	33.0	+ 0.4	37.0	+ 3.4	38.9	— 3.1	56.2	+ 2.6	67.2	+ 4.1	70.0	— 2.1	76.0	+ 1.6	75.0	+ 0.4	66.6	— 2.4	53.4	— 1.2	51.2	+ 6.0	34.9	— 3.1	55.0	+ 0.6
Wilmington	31.9	.....	34.6	.....	37.8	.....	58.1	.....	70.1	.....	72.6	.....	80.0	.....	77.8	.....	68.6	.....	54.9	.....	51.3	.....	.....	.....	.....	.....
Average	32.1	— 1.5	35.8	+ 1.4	38.2	— 3.8	55.9	+ 3.1	68.0	+ 5.6	70.8	— 1.4	77.2	+ 2.0	75.7	+ 1.3	67.1	— 1.4	53.8	— 2.1	51.6	+ 6.3	34.2	— 3.4	55.0	+ 0.5
General average.	31.9	0.0	34.6	+ 1.3	36.6	— 4.0	55.7	+ 4.1	65.8	+ 3.5	70.4	— 1.7	76.0	+ 0.9	74.6	+ 1.1	66.6	— 0.6	52.6	— 2.0	49.4	+ 5.7	34.0	— 1.6	54.0	+ 0.6

Monthly maximum temperatures for the year 1896, with dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.	Maximum.	Date.
WESTERN MARYLAND.																								
Boettcherville	66	30	62	15	68	30	88	17	94	6	88	20	92	30	98	9	88	11	71	29	72	27	.....	.....
Cumberland No. 1	70	2	65	27	68	31	94	18	94	9	93	20	96	1	97	6	94	11	78	26	74	18	64	13
Cumberland No. 2	56	30	.....	.....	.....	.....	89	18	89	10	88	21	92	29	93	9	89	11	74	30	74	27	61	13
Deer Park	50	30	57	1	60	29	84	18	85	10	85	7	86	27	91	9	87	11	73	30	69	26	57	12
Flintstone	.....	.....	57	1	67	31	93	17	92	12	91	20	94	27	98	9	94	11	74	1	72	18	.....	.....
Grantsville	50	30	58	27	62	29	87	17	86	10	86	20	87	27	91	5	90	11	75	28	72	3	60	13
Green Spring Furnace	59	30	59	23	70	30	91	18	94	11	93	21	94	27	97	9	93	11	73	31	74	27	63	13
Hagerstown	61	30	61	15	69	31	92	18	93	10	93	20	96	27	97	6	93	11	78	31	74	27	64	13
Hancock	65	30	.....	.....	71	30	97	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oakland	52	8	60	27	61	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sharpsburg	57	30	58	15	66	30	93	18	92	11	91	21	95	27	96	6	93	11	73	30	74	18	62	13
Sunnyside	50	31	57	27	64	29	87	18	84	10	85	7	91	13	90	10	86	11	75	30	70	21	59	8
Westernport	54	30	57	28	53	6	92	17	96	11	100	20	99	13	98	6	93	12	77	29	78	27	62	13
NORTHERN-CENTRAL MD.																								
Bachman's Valley	52	30	54	15	63	30	90	18	91	17	94	20	95	27	98	6	90	11	74	1	72	18	60	13
Baltimore	59	30	61	23	69	30	94	18	96	10	93	21	96	27	98	7	94	19	77	31	75	17	66	13
Burkittsville	.....	.....	59	15	68	30	95	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Darlington Academy	58	30	61	23	65	30	94	18	92	11	89	20	92	13	95	7	90	19	74	31	72	18	69	7
Fallston School	55	30	60	23	64	30	93	18	91	10	88	20	89	12	95	9	91	19	74	31	72	17	60	13
Frederick	60	16	60	6	67	30	92	17	94	11	93	21	95	27	99	9	93	19	74	29	74	17	62	13
Fred'k (Woman's Col.)	55	30	60	15	68	30	92	19	93	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Great Falls	55	30	55	15	63	26	91	18	91	11	90	21	92	27	94	7	92	19	73	30	.....	.....	58	7
Johns Hopkins Hosp'l	59	30	60	23	70	30	94	19	96	10	93	21	95	27	97	9	92	3	77	31	75	17	65	13
McDonogh School	55	30	56	6	64	31	90	18	90	17	88	21	.....	.....	.....	.....	.....	.....	72	31	73	18	62	13
Mt. St. Mary's College	56	30	56	23	66	30	93	18	.....	.....	90	21	93	27	96	6	93	11	79	30	74	17	61	13
New Market	55	30	57	15	67	30	93	17	93	10	92	20	94	27	98	9	93	11	74	29	74	18	62	13
St. Charles College	60	30	58	15	60	26	88	18	88	10	86	8	.....	.....	.....	.....	.....	.....	.....	.....	75	18	65	13
Taneytown	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	96	13	100	9	98	11	78	1	76	17	63	13
Van Bibber	51	25	58	23	68	30	91	17	96	18	93	29	97	14	96	9	87	13	72	31	69	2	58	7
Western Md. College	54	31	59	15	71	31	94	17	94	12	.....	.....	.....	.....	.....	.....	.....	.....	74	29	73	1	58	13
Woodstock College	55	30	60	23	67	30	93	18	94	12	92	21	.....	.....	97	7	92	19	71	31	76	27	63	13
SOUTHERN MARYLAND.																								
Annapolis	54	26	63	23	67	30	87	20	91	17	91	21	93	13	94	10	90	3	75	1	71	27	59	8
Charlotte Hall School	59	30	64	23	70	30	97	19	95	9	89	8	95	27	98	9	.....	.....	85	31	77	18	70	7
Cherryfields	.....	.....	58	3	60	29	75	19	78	17	82	8	83	15	86	9	79	19	66	30	68	28	56	9
Distributing Reservoir	56	30	55	15	66	30	89	17	90	11	90	21	90	13	96	7	89	19	76	31	74	18	60	7
Jewell	60	30	62	1	69	30	94	19	93	10	88	8	92	27	97	9	92	19	75	29	76	18	63	7
Laurel	.....	.....	.....	.....	72	30	94	19	94	10	95	8	93	27	97	6	92	19	77	29	77	17	65	13
Md. Agricultural Col	62	30	58	15	69	30	92	17	93	11	92	20	92	27	98	6	95	3	79	31	77	17	63	7
Receiving Reservoir	56	30	56	24	65	30	90	17	91	11	89	21	92	3	95	9	89	19	74	31	73	27	57	7
Solomon's	61	30	58	6	71	30	88	17	92	18	92	20	93	13	98	12	93	19	79	31	75	27	64	10
Upper Marlboro	59	30	60	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington	59	30	60	23	70	30	93	18	94	11	92	20	94	27	98	6	94	19	76	31	77	17	66	7
EASTERN MARYLAND.																								
Cambridge	59	24	62	28	67	30	93	19	90	11	96	19	93	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chestertown	56	30	60	28	67	30	87	17	89	11	88	20	90	29	93	13	90	19	71	31	71	27	58	7
Denton	62	25	65	28	68	30	97	17	93	18	90	9	91	14	98	12	.....	.....	.....	.....	.....	.....	59	10
Easton	59	24	63	6	69	30	93	18	91	10	88	8	92	15	98	6	94	19	77	31	74	2	60	7
Mardela Springs	61	24	64	6	69	31	92	19	92	11	89	8	92	25	100	11	88	19	80	31	75	18	63	8
Pocomoke City	64	24	66	29	72	30	93	18	93	18	92	22	94	15	100	9	90	19	80	17	81	19	63	8
Princess Anne	61	24	65	6	71	30	93	18	92	11	89	22	91	30	98	10	88	19	78	6	75	11	63	8
DELAWARE.																								
Dover	56	24	63	6	65	26	95	19	92	10	90	8	90	27	94	6	90	19	74	29	74	18	60	7
Milford	65	24	66	6	69	30	97	19	94	11	91	20	94	13	99	8	92	19	84	31	78	28	67	7
Millsboro	63	24	66	28	69	30	99	19	94	18	91	21	92	13	98	10	90	20	76	30	78	1	62	8
Newark (Del. College)	54	30	58	6	66	30	92	18	91	11	90	20	92	13	98	6	92	19	74	31	73	18	57	7
Seaford	61	24	65	6	70	30	95	18	91	11	88	21	92	15	97	9	89	19	76	31	74	18	61	8
Wilmington	55	30	62	28	74	30	97	17	96	11	97	8	99	29	103	6	93	19	77	31	74	2	.....	.....

Monthly minimum temperatures for the year 1896, with dates.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.	Minimum.	Date.
WESTERN MARYLAND.																								
Boettcherville	4	4	0	20	— 6	13	26	3	50	16	48	2	54	19	46	30	40	25	24	25	24	29	.....	.....
Cumberland No. 1	5	3	1	20	6	13	30	3	51	8	53	2	54	19	53	20	40	24	32	24	29	30	10	26
Cumberland No. 2	6	4	.....	.....	.....	.....	26	3	46	8	50	2	50	17	50	20	38	24	28	9	27	15	9	26
Deer Park	—13	6	—10	17	—13	14	12	8	33	3	32	2	40	17	34	29	29	24	16	26	13	30	— 3	25
Flinstone	.....	.....	— 2	18	—12	13	19	8	38	8	39	2	45	18	39	29	30	24	21	25	19	23	0	26
Grantsville	— 8	6	— 7	20	— 1	14	17	3	38	4	37	2	44	17	38	29	33	23	22	9	18	30	3	25
Green Spring Furnace	0	6	3	18	— 1	14	22	8	42	8	44	2	55	10	44	20	32	24	26	25	22	15	7	24
Hagerstown	6	5	4	20	1	13	25	8	45	8	49	2	55	18	49	20	40	24	31	19	27	30	11	24
Hancock	0	6	.....	.....	— 2	13	21	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oakland	— 7	6	— 7	17	—10	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sharpburg	5	6	5	17	— 2	13	24	8	43	8	45	2	52	18	45	29	38	24	28	25	27	15	10	24
Sunnyside	— 6	4	—12	17	— 2	24	14	8	35	4	33	2	40	17	36	20	28	24	19	25	12	30	— 2	28
Westernport	0	5	— 2	19	— 3	13	23	7	42	3	42	1	48	17	43	28	35	23	26	24	19	30	8	25
NORTHERN-CENTRAL MD.																								
Bachman's Valley	4	6	0	17	— 3	13	25	9	40	8	41	2	52	18	44	20	33	24	27	10	23	23	3	24
Baltimore	9	5	5	17	16	13	31	4	47	8	54	2	61	18	54	20	46	23	36	25	29	30	14	24
Burkittsville	.....	.....	4	20	9	13	28	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Darlington Academy	5	6	2	17	8	13	27	9	42	8	43	1	55	18	50	30	40	24	31	19	26	30	9	24
Fallston School	9	4	3	17	10	13	30	3	42	8	57	15	60	18	55	29	41	24	32	19	24	30	11	24
Frederick	— 5	5	6	20	0	30	27	8	42	8	47	2	53	18	45	30	39	25	29	26	25	23	5	28
Fred'k (Woman's Col.)	9	4	6	20	6	13	23	3	50	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Great Falls	9	6	9	17	12	13	33	3	50	8	58	1	63	18	56	20	41	24	33	25	.....	.....	10	28
Johns Hopkins Hosp'l	8	5	5	17	14	13	28	3	43	8	52	2	59	1	52	20	44	24	34	25	29	30	11	24
McDonogh School	6	6	2	17	5	13	28	5	42	8	52	2	.....	.....	.....	.....	.....	.....	34	26	26	30	15	4
Mt. St. Mary's College	5	4	6	18	8	24	23	8	.....	.....	50	3	56	8	58	1	42	23	31	19	25	23	9	23
New Market	5	6	4	17	5	13	24	8	43	8	46	2	58	9	49	20	40	24	30	9	24	23	5	28
St. Charles College	10	5	12	17	18	13	30	4	48	2	54	14	.....	.....	.....	.....	.....	.....	.....	.....	28	30	12	24
Taneytown	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	53	18	46	20	38	24	29	9	27	10	4	24
Van Bibber	8	4	4	16	9	12	27	8	41	7	52	1	56	17	50	19	41	24	31	24	19	30	10	23
Western Md. College	4	5	1	17	12	13	26	3	44	8	.....	.....	.....	.....	.....	.....	.....	.....	31	19	28	14	7	24
Woodstock College	5	6	3	17	— 4	13	24	9	38	8	46	2	.....	.....	45	20	34	23	26	26	21	23	4	28
SOUTHERN MARYLAND.																								
Annapolis	5	4	8	17	20	12	32	4	52	21	63	3	65	24	52	28	46	26	44	19	35	30	16	25
Charlotte Hall School	5	6	5	22	13	14	25	9	38	7	49	2	55	18	52	20	.....	.....	33	25	29	30	14	28
Cherryfields	.....	.....	12	21	24	14	37	3	53	7	62	4	65	8	66	19	47	23	44	25	32	30	18	24
Distributing Reservoir	10	6	9	17	17	13	32	3	52	7	56	3	62	18	56	20	41	25	31	26	29	30	13	28
Jewell	6	6	8	17	11	14	28	3	45	8	52	2	57	18	51	30	43	24	33	19	27	30	11	24
Laurel	.....	.....	.....	.....	7	13	26	9	38	8	49	2	55	18	49	30	37	24	26	25	24	23	6	25
Md. Agricultural Col.	8	6	7	22	10	14	24	9	36	8	45	2	51	25	44	20	34	24	26	25	21	23	7	28
Receiving Reservoir	9	6	9	17	12	13	33	3	50	8	56	3	63	18	54	29	43	24	33	25	29	30	11	28
Solomon's	—11	5	12	21	-20	14	32	8	45	8	55	2	62	8	59	30	48	23	39	19	29	30	16	24
Upper Marlboro	4	6	7	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington	8	6	8	17	14	13	28	9	42	8	52	3	56	18	50	30	42	24	31	26	26	30	12	28
EASTERN MARYLAND.																								
Cambridge	11	5	9	17	21	14	32	3	44	8	54	3	58	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chestertown	8	5	6	17	16	14	29	5	41	8	50	1	58	1	53	28	41	24	32	25	28	23	9	28
Denton	7	5	5	17	15	14	27	9	45	6	51	2	54	18	50	19	.....	.....	.....	.....	.....	.....	7	25
Easton	8	6	7	17	18	14	27	9	38	8	50	1	55	18	50	29	38	24	29	25	28	15	12	28
Mardela Springs	6	6	9	17	16	14	25	9	38	8	51	2	57	1	53	30	39	24	32	25	28	23	12	25
Pocomoke City	9	6	10	17	20	14	31	8	47	7	53	2	57	1	55	20	42	24	35	26	31	30	14	24
Princess Anne	4	6	9	17	16	14	22	9	31	8	46	2	51	1	46	20	33	24	25	25	21	15	9	4
DELAWARE.																								
Dover	9	6	7	17	18	14	30	9	40	8	52	11	58	1	54	28	40	24	35	19	30	30	9	24
Milford	9	6	9	17	17	14	26	9	38	8	52	2	56	1	53	30	39	24	33	22	30	15	12	23
Millsboro	6	6	8	17	16	14	22	9	35	8	50	15	53	1	49	20	37	24	31	22	26	15	10	25
Newark (Del. College)	4	6	0	17	12	13	24	9	38	8	48	3	54	1	50	20	36	24	28	26	25	23	7	28
Seaford	6	6	7	17	16	14	25	9	36	8	51	15	56	1	52	20	39	24	34	25	28	30	12	24
Wilmington	8	6	1	17	16	24	29	3	44	8	42	15	57	1	51	20	44	23	34	26	29	30	.....	.....

Monthly and annual mean precipitation for the year 1896, with departures from the normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
WESTERN MARYLAND.																										
Boettcherville	1.30	—1.55	3.10	+0.06	3.90	+1.78	1.80	—1.42	4.90	+1.62	5.80	+1.48	6.30	+3.85	2.60	+0.42	6.90	+4.68	1.30	—0.85	4.30	+2.34	1.00	—1.80	43.20	+10.61
Cumberland No. 1	1.52	—0.85	3.01	+0.15	3.59	+0.35	1.99	—0.75	5.17	+0.59	4.67	+0.69	4.77	+1.98	1.64	—1.44	5.77	+2.76	1.47	—0.71	3.63	+1.34	0.94	—1.38	38.17	+ 3.07
Cumberland No. 2	1.41	—0.76	.....	.....	.....	.....	1.88	—0.57	5.09	+1.76	4.22	+0.47	5.16	+1.80	1.71	—1.38	5.56	+2.85	1.32	—0.95	3.68	+1.51	0.91	—1.29	.....	.....
Deer Park	.90	.....	3.57	.....	4.63	.....	2.04	.....	5.65	.....	4.23	.....	13.65	.....	1.37	.....	5.32	.....	1.37	.....	3.33	.....	2.55	.....	48.61	.....
Flintstone	.....	.....	3.13	.....	3.83	.....	1.82	.....	3.10	.....	4.36	.....	4.74	.....	1.73	.....	8.07	.....	0.96	.....	4.05	.....	0.61	.....	.....	.....
Grantsville	1.81	.....	4.77	.....	5.12	.....	2.98	.....	4.07	.....	5.78	.....	10.17	.....	1.90	.....	5.85	.....	2.61	.....	3.37	.....	2.22	.....	50.65	.....
Green Spring Furnace	2.54	.....	3.65	.....	2.36	.....	1.68	.....	1.64	.....	4.40	.....	4.83	.....	0.87	.....	5.02	.....	0.98	.....	2.85	.....	0.57	.....	31.39	.....
Hagerstown	2.20	.....	4.58	.....	5.40	.....	1.32	.....	0.87	.....	5.28	.....	6.08	.....	1.80	.....	2.20	.....	0.97	.....	2.54	.....	0.40	.....	33.64	.....
Hancock	2.07	.....	.....	.....	4.50	.....	1.52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oakland	2.18	.....	4.29	.....	5.64	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sharpsburg	2.70	.....	4.57	.....	3.82	.....	1.30	.....	1.91	.....	5.79	.....	4.16	.....	0.71	.....	4.17	.....	0.87	.....	2.51	.....	0.52	.....	33.03	.....
Sunnyside	1.73	—2.21	5.45	+1.55	6.80	+3.48	2.53	—2.51	5.92	+1.63	5.88	+1.32	15.27	+1.69	2.90	+0.91	7.21	+5.59	3.25	+0.10	5.29	+2.63	2.71	—0.81	64.94	+23.37
Westernport	2.02	.....	2.40	.....	3.32	.....	2.25	.....	3.67	.....	4.77	.....	7.60	.....	1.08	.....	5.46	.....	1.11	.....	2.83	.....	0.67	.....	37.18	.....
Average	1.86	—1.17	3.84	+0.88	4.41	+1.56	1.96	—1.64	3.73	—0.08	5.07	+0.96	7.48	+4.56	1.66	—1.04	5.59	+3.97	1.47	—0.60	3.49	+1.96	1.17	—1.16	41.73	+ 8.20
NORTH'RN-CENTRAL MD.																										
Bachman's Valley	1.40	.....	6.19	.....	6.18	.....	1.63	.....	2.67	.....	5.09	.....	4.42	.....	1.85	.....	2.58	.....	2.06	.....	3.70	.....	1.27	.....	39.04	.....
Baltimore	2.62	—0.58	7.07	+3.40	4.70	+0.61	1.44	—1.99	1.61	—2.17	3.94	—0.08	6.32	+1.62	1.93	—2.12	4.14	+0.26	1.11	—1.87	3.34	+0.31	0.37	—2.78	38.59	— 5.49
Burkittsville	3.31	.....	4.22	.....	3.20	.....	2.28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Darlington Academy	1.34	—2.34	5.12	+2.40	4.86	+3.42	1.37	—1.53	2.53	—1.39	3.40	—0.91	3.02	—0.54	1.29	—1.50	4.85	+1.06	3.55	+0.63	4.49	+1.37	0.34	—2.57	36.16	— 3.90
Fallston School	1.91	—1.51	6.35	+2.75	5.07	+1.34	1.36	—1.76	3.20	—0.50	4.07	+0.28	4.33	+1.16	0.95	—3.78	3.62	—0.12	2.99	+0.01	5.60	+2.36	0.40	—2.87	39.85	— 2.64
Frederick	2.09	—1.16	6.15	+3.37	4.04	+1.08	1.27	—2.46	1.40	—2.64	3.83	—0.71	4.67	+1.16	0.77	—0.94	3.08	—0.64	0.80	—1.73	3.12	+0.17	0.59	—2.36	31.81	— 7.85
Fred'k (Woman's Col.)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Great Falls	2.23	—1.08	5.50	+3.16	3.20	+0.14	0.49	—2.78	4.12	—1.22	3.44	+0.68	2.95	+0.89	1.38	—1.50	3.32	—0.53	0.43	—1.53	2.53	+0.23	0.59	—2.64	30.18	— 6.27
Johns Hopkins Hosp'l	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
McDonogh School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mt. St. Mary's College	0.96	—2.26	5.16	+2.10	5.75	+1.70	1.40	—1.85	.....	.....	4.00	+0.02	.....	.....	1.70	—1.77	3.16	—0.60	1.06	—2.75	4.63	+0.84	0.56	—2.49	.....	.....
New Market	2.58	—0.07	5.97	+3.65	5.91	+2.39	1.30	—2.54	1.27	—2.61	3.57	—0.31	3.87	+0.23	1.77	—2.59	4.10	—0.11	0.86	—1.96	3.43	—0.93	0.50	—2.01	35.13	— 7.12
St. Charles College	1.79	.....	5.51	.....	3.33	.....	1.50	.....	1.77	.....	2.90	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.13	.....	0.42	.....	.....	.....
Taneytown	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.85	.....	0.59	.....	2.85	.....	1.17	.....	3.20	.....	0.49	.....	.....	.....
Van Bibber	2.05	.....	5.49	.....	5.15	.....	1.03	.....	2.97	.....	3.10	.....	2.45	.....	1.13	.....	4.24	.....	2.42	.....	4.57	.....	0.33	.....	34.93	.....
Western Md. College	2.07	.....	6.46	.....	4.60	.....	1.16	.....	2.15	.....	.....	.....	.....	.....	.....	.....	.....	.....	T.	.....	.....	.....	0.30	.....	.....	.....
Woodstock College	1.76	—1.93	5.65	+2.33	6.12	+2.12	1.20	—1.99	1.85	—2.27	2.50	—1.14	.....	.....	1.25	—2.70	2.83	—0.96	1.00	—2.50	3.40	+5.34	1.00	—1.64	.....	.....
Average	2.01	—1.43	5.73	+2.07	4.91	+1.29	1.34	—2.11	2.30	—1.50	3.62	—0.16	4.10	+0.26	1.33	—1.62	3.52	—0.30	1.59	—1.48	3.76	+0.63	0.52	—2.41	34.73	— 6.76
SOUTHERN MARYLAND.																										
Annapolis	2.70	—0.61	7.48	+3.99	4.53	—0.02	1.25	—2.80	2.25	—2.55	3.11	—1.28	.....	.....	.....	.....	.....	.....	.....	.....	2.41	—1.19	0.77	—2.96	.....	.....
Charlotte Hall School	1.89	.....	4.87	.....	3.82	.....	1.03	.....	1.16	.....	4.38	.....	2.82	.....	0.94	.....	.....	.....	.....	.....	1.08	.....	0.34	.....	.....	.....
Cherryfields	1.24	.....	4.62	.....	2.30	.....	1.02	.....	6.24	.....	3.39	.....	8.56	.....	0.79	.....	3.47	.....	1.40	.....	2.28	.....	1.40	.....	37.21	.....
Distribut'g Reservoir	1.89	—1.05	5.02	+2.59	2.73	—0.80	0.66	—3.23	2.06	—1.79	1.61	—0.40	3.63	+0.07	1.40	+0.09	2.79	+0.15	0.30	—1.60	1.68	—1.35	.....	.....	.....	.....
Jewell	1.33	—1.89	5.60	+2.33	4.31	—0.96	1.18	—3.82	4.86	—0.34	4.75	+0.81	3.75	—2.22	0.91	—2.49	3.71	—0.49	0.38	—3.45	2.11	—1.30	3.30	—2.28	36.19	—14.10
Laurel	.....	.....	.....	.....	2.60	.....	1.30	.....	3.20	.....	3.15	.....	7.89	.....	3.76	.....	3.93	.....	0.55	.....	2.60	.....	0.20	.....	.....	.....
Md. Agricultural Col.	1.81	—2.18	5.51	+1.75	4.61	+1.89	1.29	—4.41	2.54	—2.41	2.00	—2.90	3.23	—1.58	1.91	—1.56	4.15	+1.51	0.44	—2.71	2.50	—1.50	0.28	—1.77	30.27	—15.87
Receiving Reservoir	1.94	—2.28	5.21	+2.95	3.14	+0.12	0.65	—3.31	2.27	—2.55	2.66	—0.32	3.83	+0.52	1.89	+0.26	3.17	—0.37	0.33	—1.97	2.44	—0.50	.....	.....	.....	.....
Solomon's	1.54	—1.57	6.44	+2.97	2.63	—0.37	1.17	—3.19	4.44	+0.41	3.97	+0.97	4.51	+1.37	2.45	+0.23	3.24	+1.49	1.39	—1.87	2.10	—1.56	0.92	—1.78	34.80	— 2.86
Upper Marlboro	1.86	.....	6.86	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington	2.27	—1.09	5.31	+2.00	5.16	+0.96	1.07	—2.09	2.26	—1.64	2.39	—1.90	3.69	—0.96	2.65	—1.79	3.18	—0.80	0.34	—2.93	2.54	—0.37	0.30	—2.67	31.16	—13.28
Average	1.82	—1.30	5.72	+2.67	3.97	+0.21	1.06	—2.82	3.22	—1.01	3.22	—0.21	4.79	+0.86	1.74	—1.84	3.34	—0.25	0.64	—2.42	2.15	—1.10	0.56	—2.29	32.23	— 9.50
EASTERN MARYLAND.																										
Cambridge	1.19	.....	7.19	.....	3.92	.....	1.07	.....	4.66	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chestertown	2.20	—0.99	6.12	+4.31	4.91	+1.71	1.10	—3.87	3.98	—0.62	3.73	—0.27	4.87	+1.94	2.11	—3.74	5.37	+1.81	2.94	—0.04	1.77	—1.23	0.86	—1.69	39.96	— 2.60
Denton	1.52	.....	6.05	.....	5.99	.....	1.04	.....	2.77	.....	5.33	.....	4.54	.....	1.07	.....	.....	.....	.....	.....	.....	.....	0.83	.....	.....	.....
Easton	1.18	—2.00	5.96	+2.73	4.34	+1.16	1.66	—2.23	3.55	—1.16	3.76	+1.26	2.34	—1.76	1.53	—1.87	2.69	+0.09	1.04	—1.64	1.90	—0.80	0.98	—1.44	30.93	— 7.66
Mardela Springs	0.95	—2.26	6.23	+2.40	3.09	—1.64	1.54	—3.36	3.81	—0.59	1.90	—0.01	3.15	—3.03	4.50	+0.96	6.90	+3.62	3.47	—1.13	1.89	—1.60	1.41	—0.70	38.84	— 7.09
Pocomoke City	1.33	.....	6.52	.....	2.29	.....	1.03	.....	2.59	.....	1.72	.....	4.26	.....	3.00	.....	5.71	.....	1.84	.....	2.51	.....	.....	.....	.....	.....
Princess Anne	1.21	.....	6.80	.....	2.18	.....	0.96	.....	2.17	.....	3.03	.....	6.49	.....	3.54	.....	5.77	.....	2.49	.....	2.01	.....	1.27	.....	37.92	.....
Average	1.37	—1.97	6.41	+3.09	3.82	+0.20	1.20	—2.66	3.36	—0.53	3.24	+0.42	4.28	+0.39	2.62	—1.23	5.29	+1.84	2.31	—1.38	1.89	—1.21	1.07	—1.28	36.86	— 4.32
DELAWARE.																										
Dover	1.57	—1.67	6.13	+2.85	5.50	+0.89	1.18	—2.27	2.82	—0.31	7.63	+4.69	4.75	—0.11	0.68	—3.71	3.86	—0.06	3.84	+0.64	2.15	—1.32	1.51	—1.65	41.62	— 2.04
Milford	2.05	—1.17	6.71	+2.30	5.14	+1.38	1.21	—2.40	4.30	+0.10	6.92	+4.08	3.80	—0.12	2.10	—2.00	1.22	—4.10	3.65	+0.39	2.47	—1.17	1.57	—1.51	41.14	— 4.13
Millsboro	1.81	—1.52	7.18	+3.41	3.47	+0.35	1.59	—3.54	5.38	—0.04	4.03	+1.21	6.59	+3.17	1.86	—2.02	3.99	—0.30	5.19	+1.33	2.04	—1.07	1.77	—1.25	44.90	+ 0.73
Newark (Del. Coll.)	1.30	.....	4.81	.....	4.45	.....	1.57	.....	1.89	.....	3.05	.....	2.61	.....	1.14	.....	4.45	.....	1.92	.....	2.95	.....	1.56	.....	30.70	.....
Seaford	1.03	—2.57	7.36	+4.08	4.01	+0.25	1.84	—3.64	6.44	+2.00	5.81	+4.07	7.50	+3.18	3.17	+0.41	5.29	+2.60	2.48	—0.31	2.06	—1.62	1.01	—1.52	48.00	+ 6.93
Wilmington	2.59	.....	6.00	.....	5.90	.....	1.37	.....	2.54	.....	4.41	.....	3.03	.....	0.47	.....	4.87	.....	1.87	+0.51	2.93	.....	.....	.....	.....	.....
Average	1.72	—1.62	6.36	+3.04	4.74	+1.12	1.46	—2.40	3.90	+0.01	5.31	+2.49	4.71	+0.82	1.57	—2.28	3.94	—0.45	3.16	+0.64	3.18	—0.18	1.28	—0.78	41.33	+0.41
General average	1.80	—1.46	5.41	+2.30	4.38	+0.80	1.42	—2.29	3.20	+0.73	4.03	+0.57	5.22	+1.45	1.71	—1.97	4.23	+0.73	1.69	—1.32	3.08	+0.05	0.84	—1.56	37.11	— 1.97

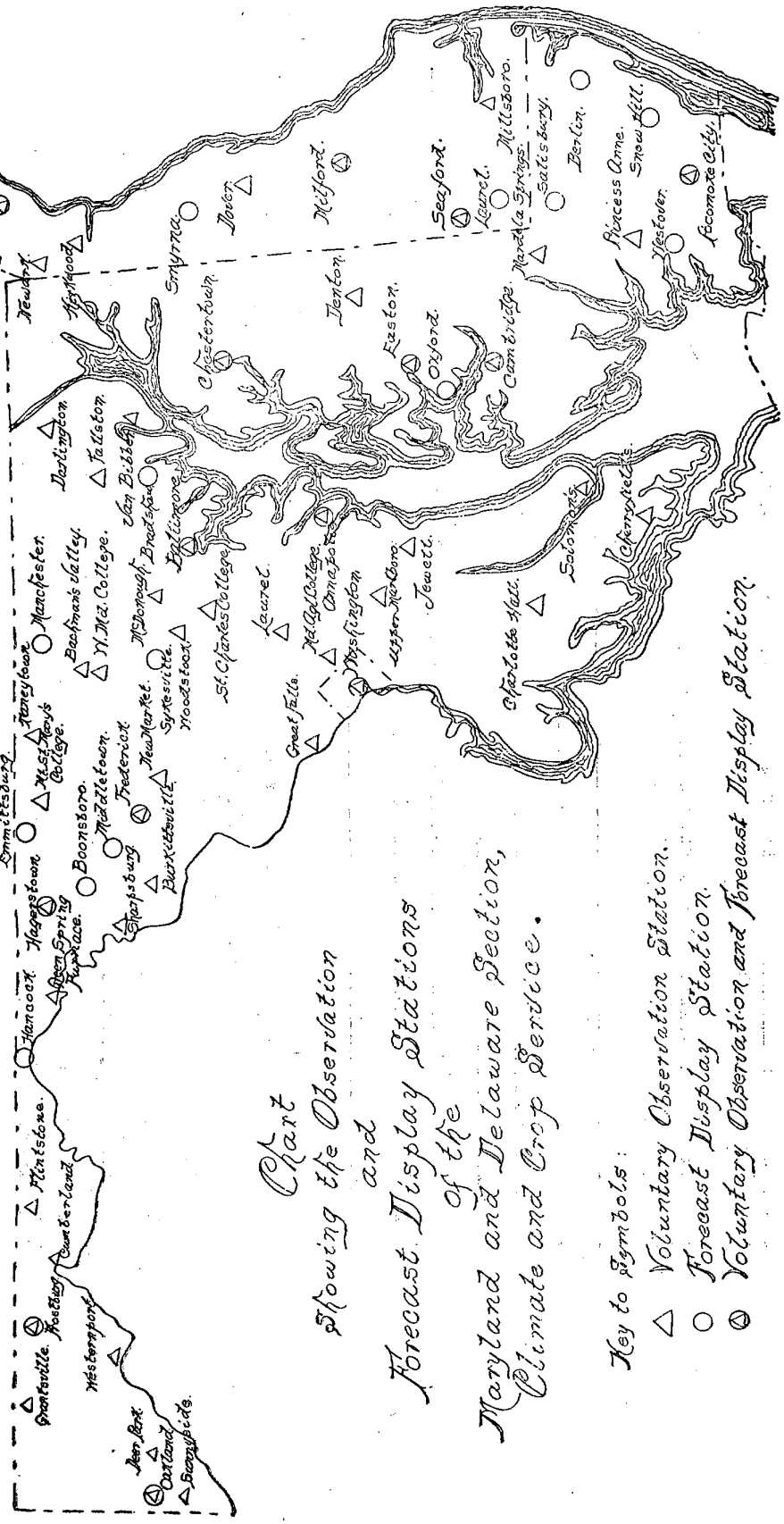
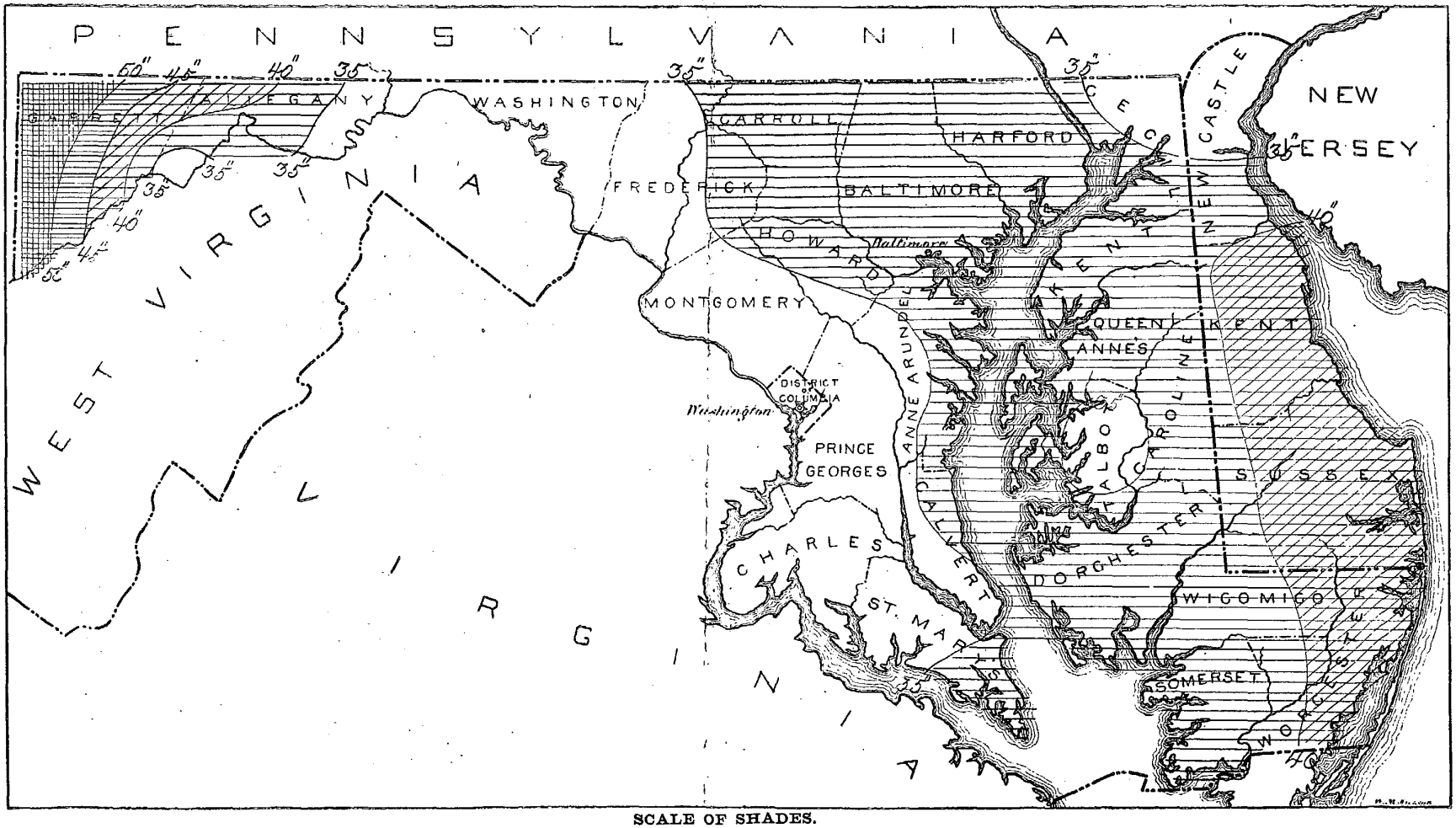
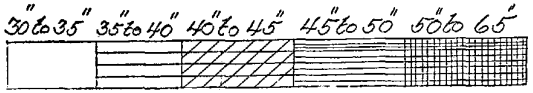


Chart
Showing the Observation
and
Forecast Display Stations
of the
Maryland and Delaware Section,
Climate and Crop Service.
Key to Symbols:
△ Voluntary Observation Station.
○ Forecast Display Station.
⊘ Voluntary Observation and Forecast Display Station.
Wilmington
Newark
Hockessin
Kennett Square
Oxford
Centreville
Chestertown
Denton
Easton
Cambridge
Salisbury
Berlin
Snow Hill
Pocomoke City
Princess Anne
Crisfield
Laurel
Seaford
Delmar
Milford
Dover
Smyrna
Harrington
Greenwood
Georgetown
Milton
Lewes
Rehoboth
Bridgeville
Seaford
Laurel
Millsboro
Selbyville
Ocean City
Ocean View
Fenwick Island
Frankford
Dagsboro
Millsboro
Selbyville
Ocean City
Berlin
Snow Hill
Pocomoke City
Princess Anne
Crisfield
Somerset
Wicomico
Worcester
Dorchester
Talbot
Caroline
Kent
Queen Anne's
Cecil
Harford
Baltimore
Carroll
Howard
Montgomery
Frederick
Washington
Allegany
Garrett
Anne Arundel
Prince George's
Charles
St. Mary's
Calvert
Baltimore
Annapolis
Ellicott City
Westminster
Hampstead
Manchester
Hanover
Gettysburg
Emmitsburg
Thurmont
Frederick
New Market
Middletown
Boonsboro
Hagerstown
Williamsport
Keedysville
Sharpsburg
Smithsburg
Hancock
Cumberland
Frostburg
Grantsville
Westernport
Oakland
Bayard
Deer Park
Mt. Airy
Sykesville
Woodstock
Ellicott City
Catonsville
Towson
Bel Air
Darlington
Havre de Grace
Aberdeen
Perryville
Elkton
Rising Sun
North East
Chesapeake City
Cecilton
Centreville
Queen Anne
Ridgely
Denton
Greensboro
Federalsburg
Preston
Hurlock
Cambridge
Vienna
Salisbury
Delmar
Pocomoke City
Snow Hill
Berlin
Ocean City
Princess Anne
Crisfield
Somerset
Wicomico
Worcester
Dorchester
Talbot
Caroline
Kent
Queen Anne's
Cecil
Harford
Baltimore
Carroll
Howard
Montgomery
Frederick
Washington
Allegany
Garrett
Anne Arundel
Prince George's
Charles
St. Mary's
Calvert

TOTAL PRECIPITATION FOR 1896.



SCALE OF SHADES.



VOLUNTARY OBSERVERS.

Stations.	Observers.	Stations.	Observers.	Stations.	Observers.
MARYLAND.		MARYLAND—continued.		MARYLAND—continued.	
Annapolis	J. E. Abbott.	Grantsville	J. S. Miller.	Upper Marlboro	J. B. Perrie.
Bachman's Valley	J. M. Myers.	Great Falls	Capt. D. D. Gaillard.	Van Bibber	H. A. Wroth.
Baltimore	U. S. Weather Bureau.	Green Spring Furnace	E. G. Kinsell.	Westernport	Prof. O. H. Bruce.
Baltimore, J. H. Hospital	W. L. Woods.	Hagerstown	Prof. C. E. Carl.	Western Md. College	Prof. Roland Watts.
Boettcherville	F. F. Brown.	Hancock	Dr. J. S. Diehl.	Woodstock	T. J. A. Freeman, S. J.
Burkittsville	J. P. Slifer.	Jewell	J. Plummer.		
Combridge	J. S. Shepherd.	Laurel	Dr. T. M. Baldwin.	DELAWARE.	
Charlotte Hall	Prof. J. F. Coad.	McDonogh	S. H. Moore.		
Cherryfields	Col. J. E. Coad.	Md. Agricultural Col	Prof. H. J. Patterson.	Dover	J. S. Jester.
Chestertown	Hon. M. DeK. Smith.	Mardela Springs	A. E. Acworth.	Milford	J. Y. Foulk.
Cumberland	Shriver & Rizer.	Mt. St. Mary's College	J. A. Mitchell, Ph. D.	Millsboro	Rev. L. W. Wells.
Do	Webster Bruce.	New Market	Dr. H. H. Hopkins.	Newark	Prof. W. H. Bishop.
Darlington	Prof. A. F. Galbreath.	Oakland	J. L. McComas, M. D.	Seaford	H. L. Wallace.
Deer Park	S. P. Specht.	Pocomoke City	R. M. Stevenson.	Wilmington	F. C. D. McKay.
Denton	F. C. Ramsdell.	Princess Anne	J. R. Stewart.		
Easton	Henry Shreve.	St. Charles College	H. M. Chapuis, S. S.	DISTRICT OF COLUMBIA.	
Fallston	G. G. Curtiss, A. M.	Sharpsburg	R. L. Hiberger.		
Flintstone	N. T. Downs.	Solomon's	W. H. Marsh, M. D.	Distributing Reservoir	Capt. D. D. Gaillard.
Frederick	McClintock Young.	Sunnyside	J. G. Knauer.	Receiving Reservoir	Capt. D. D. Gaillard.
Do	Miss Irene Martin.	Taneytown	Prof. H. Meier.	Washington	U. S. Weather Bureau.

FORECAST DISPLAYMEN.

[Figures in parenthesis indicate number of post-offices or addresses supplied with forecasts from distributing centers.]

Stations.	Displaymen.	Stations.	Displaymen.	Stations.	Displaymen.
MARYLAND.		MARYLAND—continued.		DELAWARE—continued.	
Annapolis (12)†	W. M. Abbott.	Manchester	C. J. H. Ganter.	Seaford	H. L. Wallace.
Baltimore (382)	U. S. Weather Bureau.	Middletown	G. C. Rhoderick, jr.	Smyrna (4)	A. E. Jardine.
Baltimore, Anchorage†	T. Hansen.	Oakland	Dr. J. L. McComas.	Wilmington	Chief Operator, W. & N. R. R.
Baltimore	S. R. Shinn, B. & Lehigh R. R.	Oxford†	H. S. Matthews.		
Do	B. H. Griswold, Western Md. R. R.	Pocomoke City	R. M. Stevenson.	DISTRICT OF COLUMBIA.	
Berlin	L. L. Dirickson, jr.	Salisbury	A. J. Benjamin, Baltimore, Ches. & Atlantic R. R.	Washington (208)	U. S. Weather Bureau.
Boonsboro (7)	C. E. Huntsbery.	Salisbury (17)	Miss M. D. Ellegood.		
Bradshaw (19)	B. F. Taylor.	Snow Hill	Purnell & Vincent.	NEW YORK.	
Cambridge	Samuel Leman.	Sykesville (17)	James S. Hyatt.		
Chestertown	C. S. Smith.	Westover	E. D. Long.	New York City (1)	U. S. Weather Bureau.
Easton	Henry Shreve.				
Emmitsburg	Prof. J. A. Mitchell.	DELAWARE.		PENNSYLVANIA.	
Frederick	W. T. Delaplaine, "News."				
Frostburg (42)	J. N. Benson.	Laurel	Sussex Countian.	Philadelphia (34)	U. S. Weather Bureau.
Hagerstown	Ira W. Hays.	Milford	J. T. Foulk.		

†Wind signal display stations.

CLIMATE AND CROP CORRESPONDENTS.

Correspondents.	Stations.	Correspondents.	Stations.	Correspondents.	Stations.	Correspondents.	Stations.
Abbott, J. E	Annapolis.	Chichester, W. B., jr	Olney.	Harris, J. S	Coleman.	Rieman, H	Tunis Mills.
Acworth, A. E	Mardela Springs.	Chiswell, J. N	Buckeystown.	Hatch, W. K	Crownsville.	Rinehart, W. C	Linwood.
Adams, H. C	Mechanicsville.	Clippinger, A	Westover.	Hays, Edw	Darnestown.	Roberson, W. T. B	Rising Sun.
Addison, C. G	Springfield.	Clokey, W. N	Patuxent.	Hendrickson, M. C	Cumberland.	Roe, A. B	Greensboro.
Albaugh, J. H	Libertytown.	Coad, Col. J. E	Valley Lee.	Hiberger, R. L	Sharpsburg.	Scholl, L. B	Dickerson.
Albaugh, J. L	Carrollton.	Coad, Prof. J. F	Charlotte Hall.	Hochstedler, D	Cove.	Scott, Forrest	Bellevue.
Allen, J. R	Rising Sun.	Cockran, L. N	Rhodesdale.	Hodson, T. S	Crisfield.	Scott, J. T	Roberts.
Amos, J. W	Waterbury.	Connor, C. J	Frostburg.	Hopkins, Dr. H. H	New Market.	Seavolt, W. B	Lock 53.
Anderson, J. F	Dayton.	Corbin, T. R	Snow Hill.	Hopkins, M. T	Highland.	Shaw, J. T	Charlotte Hall.
Baily, J. F	Harris Lot.	Coulborn, Ira N	Marion Station.	Hopkins, T. H	Cambridge.	Sherman, Raleigh	Sharpsburg.
Balderston, George	Colora.	Crisp, W. S	Brooklyn.	Hopkins, W. J	Glenville.	Shreve, Henry	Easton.
Baldwin, Dr. T. M	Laurel.	Curtiss, G. G., A. M	Fallston.	Huyett, M. H	Huyett.	Shriver, Howard	Cumberland.
Barnes, Rev. L. W	Jefferson.	Cutler, J. P	Rock Springs.	Ingham, J. W	Beckleysville.	Smith, G. F	Woodsboro.
Barton, John	Bier.	Davis, E. K	Blythadale.	Israel, P. H	Davidsonville.	Smith, Hon. M. deK	Chestertown.
Barton, P. S	Line Bridge.	Davis, E. K	Woodlawn.	Jackson, C. S	Dailsville.	Smith, S. L	Graceham.
Bassford, T	Plum Point.	Davis, G. N	Cecilton.	Jester, J. S	Dover, Del.	Specht, S. P	Deer Park.
Bay, A. S	Vale.	DeBarrill, Alex	Drum Point.	Jubb, G. A. E	Lake Shore.	Spedden, C. F	James.
Beale, A. L	Collington.	Dickerson, W. H	Dickerson.	Kantwell, T. J	Loretto.	Sprogle, D. S	Annapolis.
Bean, J. R	Annapolis.	Donaldson, R. T	Patuxent.	Kelly, W. T	Preston.	Stam, C. F	Chestertown.
Bean, J. R	Berneard.	Doody, P. H	Eden.	Kinsell, E. G	Green Spring Fur.	Stevenson, R. M	Pocomoke City.
Bean, M. E	Fishing Point.	Dorsey, D. F	Dorsey.	Knauer, J. G	Sunnyside.	Stewart, J. R	Princess Anne.
Beckwith, J. M	Cornersville.	Downs, N. T	Flintstone.	Lee, A. J	Deer Park.	Stewart, P. H	Jewell.
Bennett, J. S	Vienna.	DuBois, C. E	Mt. St. Mary's.	Lohr, P. P	Bittinger.	Sweet, C. T	Swanton.
Benson, H. R	Grafton.	Dutrow, R. C	Adamstown.	Marsh, Dr. W. H	Solomon's.	Sweet, W. W	Mt. Lake Park.
Benzinger, A. M	Woodstock.	Earl, C., jr	Millersville.	McAvoy, Hugh	Clarkson.	Taylor, B. F	Bradshaw.
Berhand, Ebon	Seat Pleasant.	Edelen, B. M., jr	Bryantown.	Meier, Prof. H	Taneytown.	Thomas, W. B	Malcolm.
Biggs, Wm	Mt. Lake Park.	Eliason, A. S	Mt. Pleasant, Del.	Metcalf, H. D	Bladensburg.	Thompson, W. J	Scarboro.
Bishop, Prof. W. H	Newark, Del.	Ellison, J. F	Lake Shore.	Miller, J. A	Keedysville.	Tippett, W. C	Mattawoman.
Bixler, E. C	Westminster.	Engel, John	Frostburg.	Miller, J. S	Boonsboro.	Turner, H. A	Bryantown.
Blades, J. T	Choptank.	Englar, J	Linwood.	Miller, J. S	Grantsville.	Turner, J. C	Millington.
Blakiston, J. F	White Plains.	Englar, P. B	Taneytown.	Mitchel, J., jr	Havre de Grace.	Vickers, T. J	Lankford.
Blocher, I. M	Alesia.	Fauble, J. B	Burkittsville.	Mitchell, J. A., Ph. D	Mt. St. Mary's.	Wallace, H. L	Seaford, Del.
Bloodsworth, J. R	Mt. Vernon.	Favour, C. R	Sykesville.	Moore, S. H	McDonogh.	Walls, S. H	Sudlerville.
Boots, Jerry	Port Republic.	Finkbine, W. B	Annapolis.	Myers, J. M	Westminster.	Walsten, G. B	Campbell's.
Bostion, L. A	Clemsonville.	Fisher, C. E	Rising Sun.	Naudain, J. M	Singerly.	Warfield, Jara	Florence.
Boswell, C. A	Pomfret.	Foulk, J. Y	Milford, Del.	Nelson, J. F	Kirkwood, Del.	Watkins, B	Rutland.
Bourne, J. H	Hellen.	Frazee, G. W	Selbysport.	Nichols, E. J	Nichols.	Watts, Prof. R	Westminster.
Brashears, L	Muirkirk.	Freeman, T. J. A., S. J.	Woodstock.	Nutter, G. D	Cornersville.	Welch, E. O	Bristol.
Brown, D. W	Harrison.	Galbreath, Prof. A. F	Darlington.	Parsons, M. A	Salisbury.	Wells, Rev. L. W	Millsboro, Del.
Brown, F. F	Cumberland.	Garrett, J. H	Burrsville.	Patterson, Prof. H. J	College Park.	Wells, T	Houcksville.
Bruce, Prof. O. H	Westernport.	Garrett, Medford	Catlin.	Pembroke, Dr	Jewell.	Wills, P. R	Bel Alton.
Bruce, Webster	Cumberland.	Gibson, C. W	Aldino.	Perry, J. R	Harris Lot.	Wilson, M. R	Cumberland.
Buckler, G. W. L	Laurel Grove.	Graves, S	Hill's Point.	Phelps, Dr. F. P	Mt. Holly.	Wilson, O. C	Jewell.
Bunce, C. J	Mt. Lake Park.	Hall, Capt. J. I	Laurel.	Plummer, J	Jewell.	Wilson, R. C	Rawlings.
Carl, Prof. C. E	Hagerstown.	Hamilton, B. F	Newark, Del.	Pumphrey, B. F	Benfield.	Witherow, W. W	Taneytown.
Carlin, Dr. J. S	Slidell.	Hamilton, C. R	Flintville.	Quidort, S. F	Federalsburg.	Witmer, D. J	Beaver Creek.
Carnagy, Wm	Kirkwood, Del.	Hanly, T. G	Berlin.	Ramsdell, F. C	Denton.	Wood, Z. H	Allen's Fresh.
Carsins, E. E	Aberdeen.	Harriott, J. W	Chesapeake City.	Reichard, D. W	Hagerstown.	Wroth, Emory S	Chestertown.
Chapuis, H. M., S. S	Ellicott City.	Harriott, M. H	Do.	Reynolds, W. P	Rising Sun.	Wroth, H. A	Van Bibber.