

SEP 25 1900

U. S. DEPARTMENT OF AGRICULTURE.

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REPORT FOR AUGUST, 1900.

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MARYLAND AND DELAWARE SECTION

OF THE

CLIMATE AND CROP SERVICE

OF THE

WEATHER BUREAU.

IN COOPERATION WITH THE

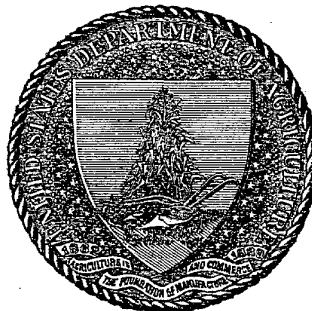
MARYLAND STATE WEATHER SERVICE.

(Prof. Wm. B. Clark, Director; Prof. Milton Whitney, Secretary and Treasurer.)

PREPARED UNDER DIRECTION OF  
WILLIS L. MOORE,  
CHIEF OF WEATHER BUREAU.

BY

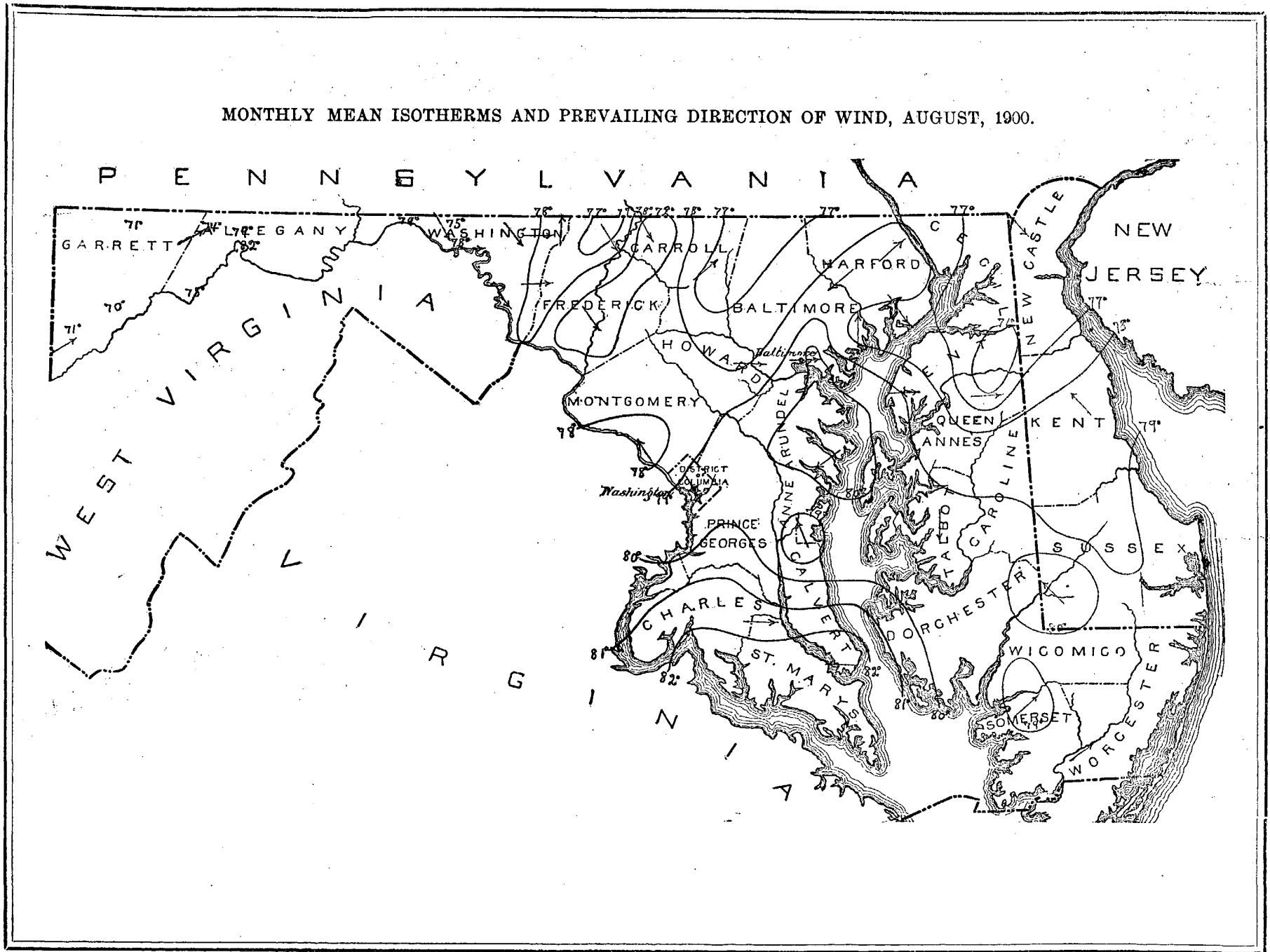
OLIVER L. FASSIG,  
SECTION DIRECTOR.



BALTIMORE, MD.:  
WEATHER BUREAU OFFICE.  
JOHNS HOPKINS UNIVERSITY.

1900.

MONTHLY MEAN ISOTHERMS AND PREVAILING DIRECTION OF WIND, AUGUST, 1900.



U. S. DEPARTMENT OF AGRICULTURE,

## CLIMATE AND CROP SERVICE

OF THE

## WEATHER BUREAU.

CENTRAL OFFICE: WASHINGTON, D. C.

MARYLAND AND DELAWARE SECTION,

OLIVER L. FASSIG, Section Director.

Vol. V.

BALTIMORE, MD.

No. 8.

**The August Hot Spell  
in Maryland  
and Delaware.**

According to statistics from the Baltimore Health Office there were 30 deaths during August due directly to sunstroke, and 32 in addition due to excessive heat as a secondary cause. When we come to examine the record of weather conditions during this period, and compare it with hot spells of the past, we find nothing to equal it in intensity since the establishment of the Weather Bureau Station in Baltimore thirty years ago.

\* \*

Baltimore has on an average five days in August with a temperature of 90° or above, with a maximum in the past of 98°. In August, 1900, there were 17 such days, with a maximum of 100°, while this maximum was practically maintained for six successive days. Temperatures were even higher, and hot days more frequent at other points in Maryland and Delaware. Thus in Washington County there were 20 days with a maximum temperature of 90° or above, with an absolute maximum of 103° at Hancock. The highest temperature recorded within the two States was 104° at Millsboro, Delaware, on the 14th.

\* \*

The hot wave began on the 6th, with a maximum temperature at Baltimore of 97°; from the 7th to the 12th inclusive the afternoon heat reached 99° or 100° each day; from the 13th to the 19th the daily maximum ranged between 90° and 94°. Fortunately the relative humidity was comparatively low, averaging but 65 per cent, the normal value being 70 per cent. A comparatively cool period of four days followed, with heavy showers. The temperature rose again on the 24th to 87°, and ranged between 88° and 96° to the close of the month. While the temperature averaged 6° less daily during the latter period than from the 6th to the 19th, the relative humidity rose from 65 per cent to 81 per cent. To add to the discomfort of heat and humidity, the air movement was extremely light. The total wind movement over Baltimore during the month averaged but 108 miles per day; this is equivalent to an average of 4.5 miles per hour. Such conditions following closely upon the long-continued hot weather of July and the first half of August brought intense suffering to man and beast.

In 1872 there was a 12-day period with an average maximum temperature of 93°; in 1888 there was a 10-day period with an average of 92°; in 1896 there was a period of equal length with an average of 94°. In August, 1900, the average maximum for 17 days was 95°. A particularly uncomfortable feature of the recent hot spell was the high night temperature. During four successive nights the minimum temperature ranged from 80° to 82°. At no other time in the past thirty years has the night minimum exceeded 78°. The normal temperature for the month of August at Baltimore is 75°. - During August, 1900, the mean temperature was 80°; this value was equalled but once, namely, in 1872.

\* \*

The abnormally warm weather of August was not confined to narrow limits. During the first week the temperature was above normal from the Rocky Mountains eastward to the Lower Lakes and the Appalachian Mountains. In South Dakota the daily excess was 12° above the normal value. During the second week the warm area extended eastward to the Atlantic coast, and the areas of maximum excess were transferred eastward to Michigan and to the region including Philadelphia, Baltimore, and Washington, D. C. The temperatures continued abnormally high during the third and fourth weeks, but the maximum daily excess fell from 12° to 9°.

\* \*

The high temperatures have frequently been attributed in the daily press to a greater solar activity as shown by the increasing number of spots upon the sun's disk. A less remote and more plausible explanation may be found in the unusual distribution of atmospheric pressure during the hot spell. There is a type of pressure distribution which always brings warm weather to the Middle Atlantic States. When the barometer is high over the South Atlantic States, or just off the coast, while it is relatively low over an extensive area to westward and northward, the winds over the Middle Atlantic States are generally from a southerly direction, and light in force, while the skies are clear. Near the center of high pressure, moreover, the air descends from higher levels and is warmed by compression in descending. These conditions, all favorable to the production of high temperatures, were present in a marked degree during the period of hot weather in July and August. Clear skies favored the rapid warming up of the surface of the earth and the adjacent layers of air during the day; the frequent calms and prevailing light winds—the average for the entire period of the hot spell being but 4.5 miles per hour—prevented the rapid exchange of temperatures between adjacent regions, or between upper and lower layers of the atmosphere. As a result the air near the surface of the earth was excessively heated. At the high level stations of Western Maryland the temperatures were comparatively moderate. The maximum for the month of August was but 89° at Deer Park, and 91° at Grantsville.

O. L. F.

**Climate and Crop Conditions During July and August.** July weather was in the main unfavorable to crops. The first week was too hot and dry, but outdoor work was pushed and the harvest scarcely interrupted. By the close of the second week the dry weather had begun to tell on all growth, and the unusually hot spell of the third week added to the injury. Good rains fell on the 18th and later, however, greatly refreshing all crops. The wheat, rye, and barley harvests were completed in July, all giving good yields and a fine quality of grain. Some oats remained uncut in Garrett County, but elsewhere the harvest was finished, with irregular yields—from ordinary to very good. Haymaking gave light returns. Early corn and potatoes were seriously injured by the drought, but other crops, although hurt, recuperated after the rains of the 18th. Fruit shipments were large as regarded peaches, but lighter for pears. Apples dropped badly during the month.

\* \*

In August there was a marked temperature excess and a deficiency in rainfall. The intense heat was injurious to crops, but they suffered far more through a recurrence of drought conditions during the first two weeks of the month. A short period of cloudy and rainy days began on the 20th, during which ample moisture fell in most parts of the Section, although in places the amounts were too light to afford much relief. These rains came just in time to save late corn and tobacco, but not soon enough to retrieve the damage to many of the early crops. Pastures improved wonderfully towards the close of the month. Large quantities of peaches were marketed, improving in size and quality with the advance of the season. Apples continued to fall badly, and have now become scarce in many localities. Some tobacco was cut and housed. Fodder saving was in progress in the southern counties at the end of the month, and the ear was hardening rapidly in the field, presaging an early harvest.

\* \*

#### CLIMATOLOGY OF THE MONTH.

##### ATMOSPHERIC PRESSURE.

Monthly mean at Washington, D. C., 30.03 inches; at Baltimore, 30.04 inches; average, 30.04 inches; highest, 30.31 inches, at Washington, D. C., and at Baltimore, on the 5th; lowest, 29.87 inches, at Washington, D. C., and at Baltimore, on the 13th.

##### TEMPERATURE.

The monthly mean (entire territory), 78°, is 4.5° above the normal.

The highest monthly mean was 82.7°, at Solomons.

The lowest monthly mean was 69.7°, at Deer Park.

The highest temperature recorded during the month was 104°, at Millsboro, Del., on the 13th.

The lowest temperature recorded during the month was 41°, at Deer Park, on the 2d.

The greatest local monthly range was 53°, at Hancock.

The least local monthly range was 37°, at Annapolis.

The greatest daily range was 44°, at Sunnyside, on the 11th.

The least daily range was 4°, at Millsboro, Del., on the 22d.

##### PRECIPITATION, in inches and hundredths.

The monthly average (entire territory), 3.04, was 0.41 below the normal.

The greatest amount was 6.77, at Solomons.

The least amount was 0.85, at Laurel.

The greatest amount in twenty-four hours was 5.53, at Solomons, on the 23d.

The average number of rainy days, 9.

##### WIND.

The prevailing direction was from the west and northwest.

The total movement was 3,204 miles, at Baltimore, and 3,571 miles, at Washington, D. C.

The maximum wind velocity was 28 miles per hour from the northwest, at Washington, D. C., on the 12th.

##### MISCELLANEOUS PHENOMENA.

*Thunderstorms.*—Bachman's Valley, 16, 26, 27; Boettchersville, 12, 15, 19, 21, 25, 26, 27, 29; Boonsboro, 3, 9, 15, 20, 27; Charlotte Hall, 15, 23, 26, 27; Chase, 12; Chewsville, 15, 20, 24; Clear Spring, 9, 12, 15, 20, 24, 27; College Park, 12, 15, 24; Fallston, 16, 24, 26, 27; Frederick, 12, 13, 16, 20, 24, 27; Frostburg, 19; Grantsville, 12, 13, 17, 18, 19, 22, 29; Green Spring Furnace, 18, 24, 27; Hagerstown, 12, 13, 16, 18, 20, 24, 27; Harney, 13, 26, 27; Jewell, 12, 15, 17, 18, 20, 23, 24, 26, 27; Laurel, 12, 15, 27, 29; Millsboro, 21, 23; Mount St. Marys, 15, 20, 26, 27; Newark, 6, 7, 18, 24, 26; Pocomoke City, 4, 8, 13, 18; Princess Anne, 3, 12, 16, 18, 20; Rock Hall, 15, 18, 21, 24; Seaford, 7, 12, 18, 27; Sharpsburg, 15, 27; Smithsburg (2), 13, 16, 24, 27; Solomons, 12, 15, 16, 17, 18, 20, 23, 24, 26, 27, 29; Sudlersville, 18, 26; Sunnyside, 11, 12, 13, 18, 20, 21, 24, 27, 29; Tacoma Park, 26; Taneytown, 12, 15, 21, 23, 26, 27, 28; Van Bibber, 24; Westernport, 11, 25, 29; Woodstock, 12, 19, 24; Wyoming, 7, 8.

*Mist.*—Clear Spring, 20.

*Hail.*—Princess Anne, 3, 18.

*Sun Dog.*—Jewell, 16, 29.

*Solar Corona.*—Solomons, 25.

*Fog.*—Clear Spring, 22, 23, 24, 25; Green Spring Furnace, 30; Millsboro, 18; Sunnyside, 1, 30, 31; Woodstock, 21.

*Lunar Halo.*—Mount St. Marys, 7, 15.

*High Winds.*—Darlington, 18; Easton, 18; Green Spring Furnace, 9, 12, 13, 18, 24; Hagerstown, 12; Pocomoke City, 4, Sharpsburg, 15; Van Bibber, 12, 24, 26; Westernport, 12.

##### OBSERVERS' REMARKS.

*Taneytown.*—"August 4, 7.35 p. m., a large ball of fire passed through the sky from east to west, leaving a short trail of fire."  
HENRY MEIER.

*Solomons.*—"On 23d 5 inches of rainfall in four and three-quarter hours."

##### LATE REPORTS.

*July, 1900.*—Western Maryland College: Mean temperature, 73.8°; mean maximum, 89.6°; mean minimum, 57.9°; absolute maximum, 102°, on the 17th; absolute minimum, 46°, on the 10th; total rainfall, 1.06 inches; greatest amount in 24 hours, 0.70 inch, on the 25th; number of rainy days, 2. Coleman: Total rainfall, 2.65 inches; greatest amount in 24 hours, 0.72 inch, on the 23d; number of rainy days, 8.

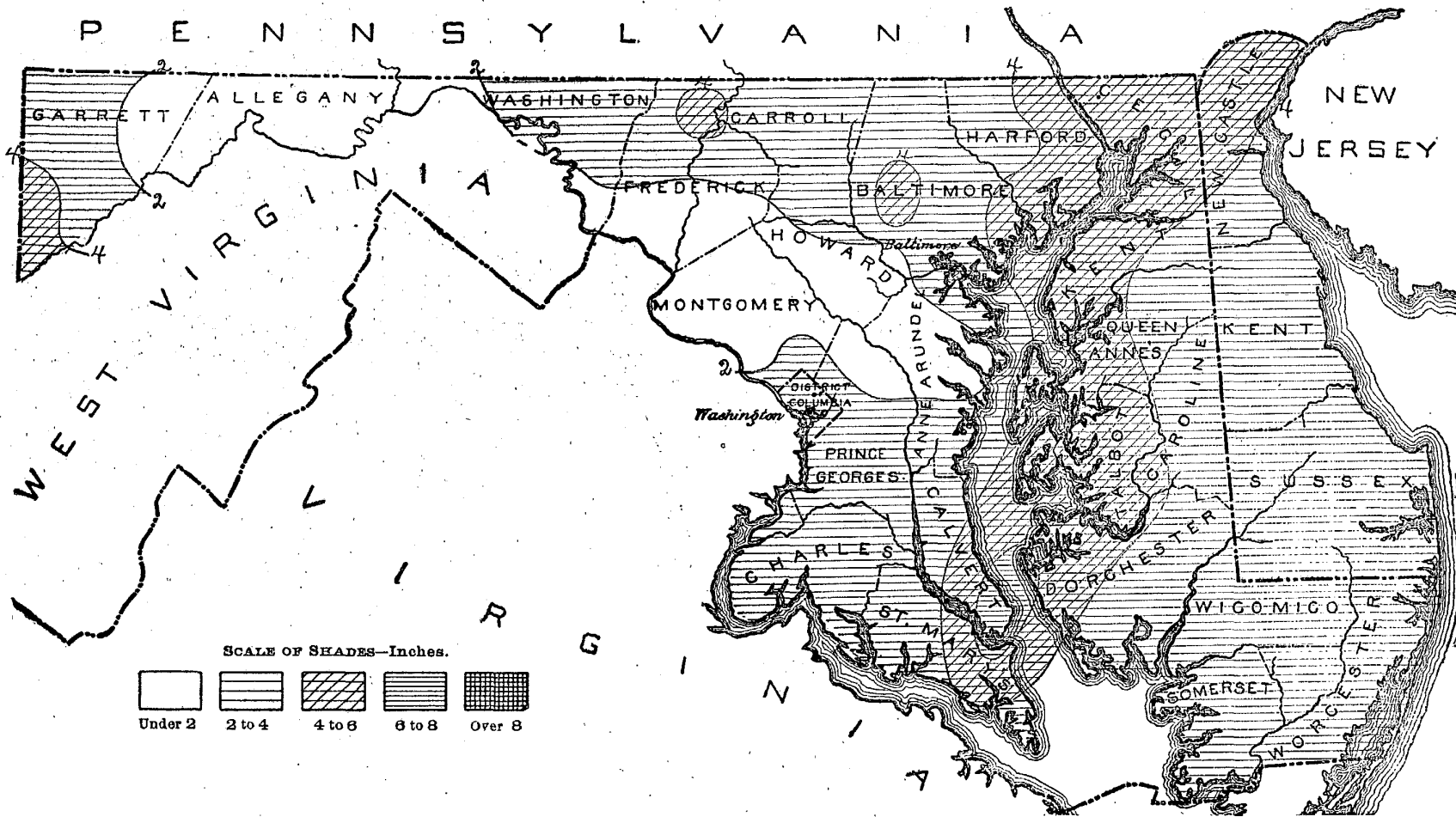
Climatological data for Maryland and Delaware, August, 1900.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.				Sky.			Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted).	Number rainy days.	Number clear days.		
<b>WESTERN MARYLAND.</b>																		
Boettcherville.....	Allegany.....	780	10	78.6	+7.2	100	12	51	2	41	1.82	-0.98	0.30	11	.....	.....	.....	F. F. Brown.
Boonsboro.....	Washington.....	600	2	78.0	.....	99	16	51	2	34	2.73	.....	0.65	10	23	4	4	J. C. E. Huntzberg.
Chewsville.....	Washington.....	530	2	77.0	.....	99	12	56	5	34	3.00	.....	1.27	9	17	14	0	W. A. Henneberger.
Clear Spring.....	Washington.....	500	2	75.8	.....	97	12	57	30	30	2.85	.....	0.65	8	3	23	5	E. I. Oswald.
Cumberland.....	Allegany.....	722	41	82.2	+7.2	100	12	62	12	30	1.16	-1.98	0.41	4	.....	.....	.....	W. W. Frantz.
Deer Park.....	Garrett.....	2,457	9	69.7	+4.4	89	11	41	2	43	3.65	-0.11	0.92	8	.....	.....	.....	Howard Shriver.
Frostburg.....	Allegany.....	2,200	5	73.6	.....	94	10	48	2	34	1.57	.....	0.45	14	24	0	7	S. P. Specht.
Grantsville.....	Garrett.....	2,400	7	71.4	+4.3	91	11	45	12	35	2.50	-0.85	0.69	10	9	22	0	Mrs. G. G. Townsend.
Green Spring Furnace	Washington.....	450	8	77.5	+2.7	100	12	52	2	40	2.66	-1.68	0.94	7	25	3	0	J. S. Miller.
Hagerston.....	Washington.....	552	9	78.6	+4.6	101	11	52	2	34	3.33	+0.75	0.82	8	23	4	4	E. G. Kinsell.
Hancock.....	Washington.....	455	2	78.8	.....	103	11	50	2	40	1.48	.....	0.48	5	22	5	1	Clyde B. Stouffer.
Sharpsburg.....	Washington.....	420	6	78.2	+4.8	100	10	55	2	29	1.67	-1.29	0.40	9	23	4	4	J. D. Stotlemeyer.
Smithsburg.....	Washington.....	750	2	76.5	.....	99	11	50	2	35	3.33	.....	1.27	10	24	4	4	R. L. Hiberger.
Smithsburg a*.....	Washington.....	900	.....	77.2	.....	96	12	53	2	27	3.57	.....	1.18	8	20	2	2	Chas. K. Shank.
Sunnyside.....	Garrett.....	2,440	8	71.0	+5.6	93	11	42	4	44	5.04	+1.43	0.83	15	15	16	0	Dr. D. W. Crowther.
Westernport.....	Allegany.....	1,000	6	75.2	+3.2	95	11	50	1	34	1.76	-1.52	0.44	12	.....	.....	.....	J. G. Knauer.
Average.....	.....	.....	.....	76.2	+4.9	.....	.....	.....	.....	.....	2.59	-0.68	.....	9	19	9	3	Prof. O. H. Bruce.
<b>NORTHERN-CEN. MD.</b>																		
Bachman's Valley.....	Carroll.....	860	7	76.2	+4.0	98	11	50	2	34	2.77	-1.08	1.20	7	27	1	3	J. M. Myers.
Baltimore.....	Baltimore.....	123	66	80.4	+5.4	100	10	61	2	30	2.91	-1.14	1.61	10	13	13	5	U.S. Weather Bureau.
Baltimore, J. H. Hosp.	Baltimore.....	112	6	78.8	+3.5	101	11	57	2	39	3.63	.....	2.00	9	21	4	6	W. L. Woods.
Chase.....	Baltimore.....	25	2	77.6	.....	102	11	52	4	43	4.41	.....	1.39	10	22	5	4	J. W. Crouch.
Darlington Academy.....	Harford.....	339	11	78.4	+5.4	103	11	56	1	38	5.59	+1.96	1.14	10	24	3	4	Prof. A. F. Galbreath.
Fallston School.....	Harford.....	450	32	78.2	+6.4	103	11	55	2	38	3.87	-1.02	1.78	11	7	20	4	G. C. Curtiss, A. M.
Frederick.....	Frederick.....	275	28	79.3	+5.8	100	11	56	2	31	1.96	-0.81	0.62	10	24	4	3	McIntook Young.
Great Falls.....	Montgomery.....	200	12	77.0	+2.4	98	12	53	4	31	1.77	-0.78	0.48	12	21	0	10	Washington Aqueduct.
Harney.....	Frederick.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.48	.....	-1.30	8	19	10	2	Daniel Bowersox.
McDonogh.....	Baltimore.....	.....	.....	77.4	+5.3	100	6	54	1	31	4.85	+1.70	1.25	8	20	6	5	W. E. Byrd.
Mt. St. Mary's Coll.....	Frederick.....	720	40	76.4	+4.0	99	11	54	2	33	4.45	+0.97	1.22	9	17	10	4	J. A. Mitchell, Ph. D.
New Market.....	Frederick.....	550	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. H. Hopkins, M. D.
St. Charles College.....	Howard.....	500	6	.....	.....	.....	.....	.....	.....	.....	1.64	-2.20	0.36	10	2	25	4	Rev. George L. Harig.
Takoma Park.....	Montgomery.....	.....	.....	78.4	.....	100	11	57	2	33	2.13	.....	0.78	10	.....	.....	.....	G. A. Warren.
Taneytown.....	Carroll.....	490	8	79.1	+4.5	101	12	53	2	43	2.80	-0.54	1.45	8	12	11	8	Prof. H. Meier.
Van Bibber.....	Harford.....	22	5	78.0	+3.9	100	11	58	4	25	5.48	+0.88	2.25	11	21	0	10	H. A. Wroth.
West'n Maryland Coll.	Carroll.....	900	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Prof. Roland Watts.
Woodstock College.....	Baltimore.....	392	31	77.4	+5.7	98	11	56	2	28	3.01	-1.09	1.16	8	25	3	3	D. T. O'Sullivan, S. J.
Average.....	.....	.....	.....	78.1	+4.7	.....	.....	.....	.....	.....	3.42	-0.27	.....	9	18	8	5	.....
<b>SOUTHERN MARYLAND.</b>																		
Annapolis.....	Anne Arundel.....	45	27	80.9	+4.2	100	19	63	12	28	1.07	-3.48	0.57	6	17	10	4	W. M. Abbott.
Charlotte Hall Sch. m	St. Mary's.....	167	7	81.8	+6.0	102	11	55	5	32	2.07	-0.40	1.38	3	.....	.....	.....	J. F. Coad.
Distrib'ing Reservoir†	Dist. of Columbia	120	10	79.6	+3.5	100	.....	.....	.....	.....	2.26	-0.28	0.81	10	.....	.....	.....	Washington Aqueduct
Jewell.....	Anne Arundel.....	165	13	78.7	+3.1	100	11	60	2	27	3.82	+0.47	1.35	10	23	5	3	J. Plummer.
Laurel.....	Prince George's.....	150	6	79.1	+4.2	102	11	52	2	39	0.85	-2.87	0.20	7	.....	.....	.....	Dr. T. M. Baldwin.
Md. Agricultural Coll.	Prince George's.....	170	9	79.7	+6.0	103	11	55	2	35	2.09	-1.47	0.79	7	6	22	6	Prof. J. H. Patterson.
Prince Fredericktown	Calvert.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Alfred Presson.
Receiving Reservoir †	Dist. of Columbia	160	10	79.3	+3.6	100	.....	.....	.....	.....	2.48	-0.89	0.60	11	.....	.....	.....	Washington Aqueduct
Solomon's.....	Calvert.....	20	9	82.7	+5.6	103	12	65	2	28	6.77	+3.57	5.53	11	14	6	11	W. H. Marsh, M. D.
Washington.....	Dist. of Columbia	112	30	79.8	+5.2	101	11	59	2	30	2.28	-1.70	0.87	11	22	4	5	U.S. Weather Bureau.
Average.....	.....	.....	.....	80.2	+4.6	.....	.....	.....	.....	.....	2.63	-0.78	.....	8	20	6	5	.....
<b>EASTERN MARYLAND.</b>																		
Berlin.....	Worcester.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. E. J. Dirickson.
Cambridge.....	Dorchester.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. A. Jordan.
Chestertown.....	Kent.....	80	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Hon. M. de K. Smith.
Coleman.....	Kent.....	80	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	James S. Harris.
Denton.....	Caroline.....	42	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	F. C. Ramsdell.
Easton.....	Talbot.....	35	11	79.6	+4.5	101	12	55	5	39	4.67	+1.34	2.17	6	24	4	3	Henry Shreve.
Mardela Springs.....	Wicomico.....	25	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. E. Acworth.
Ocean City.....	Worcester.....	10	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. M. Scott.
Pocomoke City.....	Worcester.....	37	7	79.6	+2.4	99	12	57	5	26	3.32	-0.26	1.39	8	20	8	3	R. M. Stevenson.
Port Deposit.....	Cecil.....	25	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. I. France.
Princess Anne.....	Somerset.....	20	26	77.9	+2.1	98	12	53	5	28	3.56	-0.44	1.10	8	11	17	3	J. R. Stewart.
Queenstown.....	Queen Anne.....	20	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. W. K. Carroll.
Rock Hall a.....	Kent.....	20	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Chas. N. Satterfield.
Rock Hall b.....	Kent.....	25	2	79.0	.....	101	11	55	5	32	4.26	.....	2.30	9	24	3	4	Isaac L. Leary.
Sandy Point.....	Worcester.....	12	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. B. Dirickson.
Sudlersville.....	Queen Anne.....	.....	.....	75.9	.....	96	12	56	12	34	2.81	.....	0.85	7	24	2	5	J. S. Barwick.
Average.....	.....	.....	.....	78.4	+3.0	.....	.....	.....	.....	.....	3.72	+0.21	.....	8	20	7	4	.....
<b>DELAWARE.</b>																		
Milford.....	Kent.....	20	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. Y. Foulk.
Millsboro.....	Sussex.....	23	8	79.0	+4.2	104	13	52	5	33	2.91	-0.53	1.60	5	20	2	9	Rev. L. W. Wells.
Newark (Del. Coll.).....	Newcastle.....	136	7	76.7	+3.2	98	11	55	5	30	4.26	+0.85	0.81	14	22	4	5	Prof. W. H. Bishop.
Seaford.....	Sussex.....	40	10	80.4	+5.5	102	12	56	5	31	3.63	+0.57	1.90	7	21	5	4	W. T. Wallace.
Wyoming.....	Kent.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.40	.....	0.95	10	20	6	4	Dr. Jas. L. Crossmore.
Average.....	.....	.....	.....	78.7	+4.3	.....	.....	.....	.....	.....	3.30	+0.30	.....	9	21	4	6	.....
General average.....	.....	.....	.....	78.0	+4.5	.....	.....	.....	.....	.....	3.04	-0.41	.....	9	19	8	4	.....

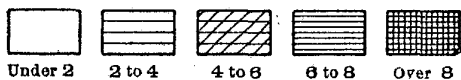
NOTE.—All records are used in determining State or district means, but State and district departures are determined by comparison of current data of only such stations as have normals. Letters of the alphabet



TOTAL PRECIPITATION, AUGUST, 1900.



SCALE OF SHADES—Inches.



Daily precipitation for Maryland and Delaware, August, 1900.

Stations.	Day of month.																															Total.				
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.					
<b>WESTERN MARYLAND.</b>																																				
Boethcherville.....	.25										.16	.07		.05		.05		.30		.04			.22	.25		.24		.19					1.82			
Boonsboro.....		.25						.30		†	.09	.65							.35	.43	.04	.08			.32								2.73			
Chewsville.....	.12										.11	.26		1.27					.16	.08	.48			.11			.41						3.00			
Clear Spring.....		.27										.31						.45		.15	.65	.07			.61			.34					2.85			
Cumberland.....																		.38		.25								.41		.12			1.16			
Deer Park.....											.92	.15					.83		.65		.83		.15		.05	.10								3.65		
Frostburg.....		.17									.01	.13	.10			.45		.05		.20	.04	.05	†	.20	.02		.11	.02	†	.02			1.57			
Grantsville.....		.17									.44	.07		.69		.08	.13	.18	.10							.54								2.50		
Green Spring Furnace.....	.29										.23	.25	.33								.12	†		.04		.40							2.66			
Hagerstown.....		.12							†			.23				.82				.30	.71	.54		.58		.06							3.33			
Hancock.....										.12	.34		.17					.48							.37								1.48			
Sharpsburg.....		.21						†			.09				.30		†	.23		.30		†	.05	.09		.30		.04					1.67			
Smithsburg.....		.21								.03	.27				1.27				.18	.27	.08	.03	.47										3.33			
Smithsburg b.....		.31							†		†	.37			1.18					.21	.40	.14											3.57			
Sunnyside.....		.12							†		.25	.83	.09	.06		.83		.69	.07	.15	.30	.13	.06	.42	.30			.14				5.04				
Westernport.....										.44	.03				.40		.09	.07	.08	.06			.09	.06	.18		.07		.19				1.76			
<b>NORTHERN-CENTRAL MARYLAND.</b>																																				
Bachman's Valley.....																.68				†	1.20	.30	.09	†	.14	.20	.16	†	†				2.77			
Baltimore.....											.14	.03		†	.36				.02	1.61	.30	.07	.06	.28				.04					2.91			
Baltimore, Johns Hopkins Hosp. Chase.....											.70	.20			.45				.02	2.00	.45	.08	.15	.20									3.63			
Darlington Academy.....								†			.23					1.14	.78		1.11	1.39	.12	.43	.18	.73		.13	.28						4.41			
Fallston School.....							†	†			.08				.47			.04	.02	.65	.23	.27	.16	1.78	†	†	.17						5.59			
Frederick.....		.08						†			.13	.06			.26				.15	.21	.40	.04		.01		.62							3.87			
Great Falls.....		.48									.20						.28		.07	.13	.11	.08	.23	.08	.04	.02	.05						1.77			
Harney.....		.08									.10				1.00		†		.20	1.30			.10			.10								3.48		
McDonogh.....											.90			.25				.10	1.25	.80			.20	1.25			.10							4.85		
Mt. St. Mary's College.....		.67									.12				.98				.70	1.22	.25	.06	.07				.38						4.45			
New Market.....											.36				.23				.10	.10	.18	.12	.23	.05	.23		.04						1.64			
St. Charles College.....			.30								.24				.08			.01		.21	.57	.03	.22	.36				.10	†				2.13			
Takoma Park.....											.10				.52				.18	1.45	.15		.19				.10						2.80			
Taneytown.....		.11									.14				.56				.24	.50	.04	.80	2.25	.20			.02						5.48			
Van Bibber.....																																		5.48		
Western Maryland College.....																																		3.01		
Woodstock College.....											1.16				.16						.11	.31	.28	†	.24	.64	†		.11					3.01		
<b>SOUTHERN MARYLAND.</b>																																				
Annapolis.....	.05											.08				.07				.04		.57		.26										1.07		
Charlotte Hall School.....															.59							1.38		†	.10	†								2.07		
Distributing Reservoir, D. C. Jewel.....		.30									.60				.17		.15		.04	.19	.13	.02	.81	.54			.09						2.26			
Laurel.....		.10										.20							.17	1.35	.06	.50	.40											3.82		
Maryland Agricultural College.....		.20									.25				.15						.79		†	.41										0.85		
Prince Fredericktown.....												.66																						2.09		
Receiving Reservoir, D. C. Solomon's.....		.09									.06				.53		.15	.03		.06	.15	.19	.02	.58	.48	.03		.05					2.48			
Solomon's.....		.35									.08	.03				.07							†	.11	.87	.07									6.77	
Washington, D. C.....												.03				.07																			2.28	
<b>EASTERN MARYLAND.</b>																																				
Cambridge.....																																				
Chestertown.....																																				
Coleman.....																																				
Denton.....																																				
Easton.....		†									.03			.13			.96					2.17		1.30											4.67	
Mardela Springs.....																																				
Pocomoke City.....		.05	.08				.19					†				.23		.73	.63	1.39		.02													3.32	
Fort Deposit.....																																				
Princess Anne.....		.74					†				.47			.06	.22		.07	.31	1.10	.59	†														3.56	
Queenstown.....																																				
Rock Hall a.....																																				
Rock Hall b.....																																				
Sandy Point.....												.08		1.08	.03				.18	2.30	.07	.07	.15	.30	†									4.26		
Sudlersville.....							.77					.20				.09		.35				.85		.30	.25	†									2.81	
<b>DELAWARE.</b>																																				
Milford.....																																				
Millsboro.....												.06																								2.91
Newark (Delaware College).....					.68	.32	.30				.21				.60					.02		.34	.81	.09	.13	.60		.16						4.26		
Seaford.....		†				.10					.08				.25	†	.73	†					1.96	.10											3.63	
Wyoming.....						.24	.20	.05				.08			.06	.05		.10	†				.95	.10	.02	.63		.40							2.40	

† Trace, when precipitation is less than 0.01 inch.

‡ Incomplete record.

\* Precipitation included in that of following day.