

U. S. DEPARTMENT OF AGRICULTURE.

REPORT FOR JULY, 1897.

MARYLAND AND DELAWARE SECTION

OF THE

CLIMATE AND CROP SERVICE

OF THE

WEATHER BUREAU.

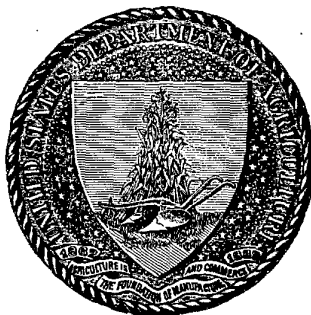
~~IN COOPERATION WITH THE~~

MARYLAND STATE WEATHER SERVICE.

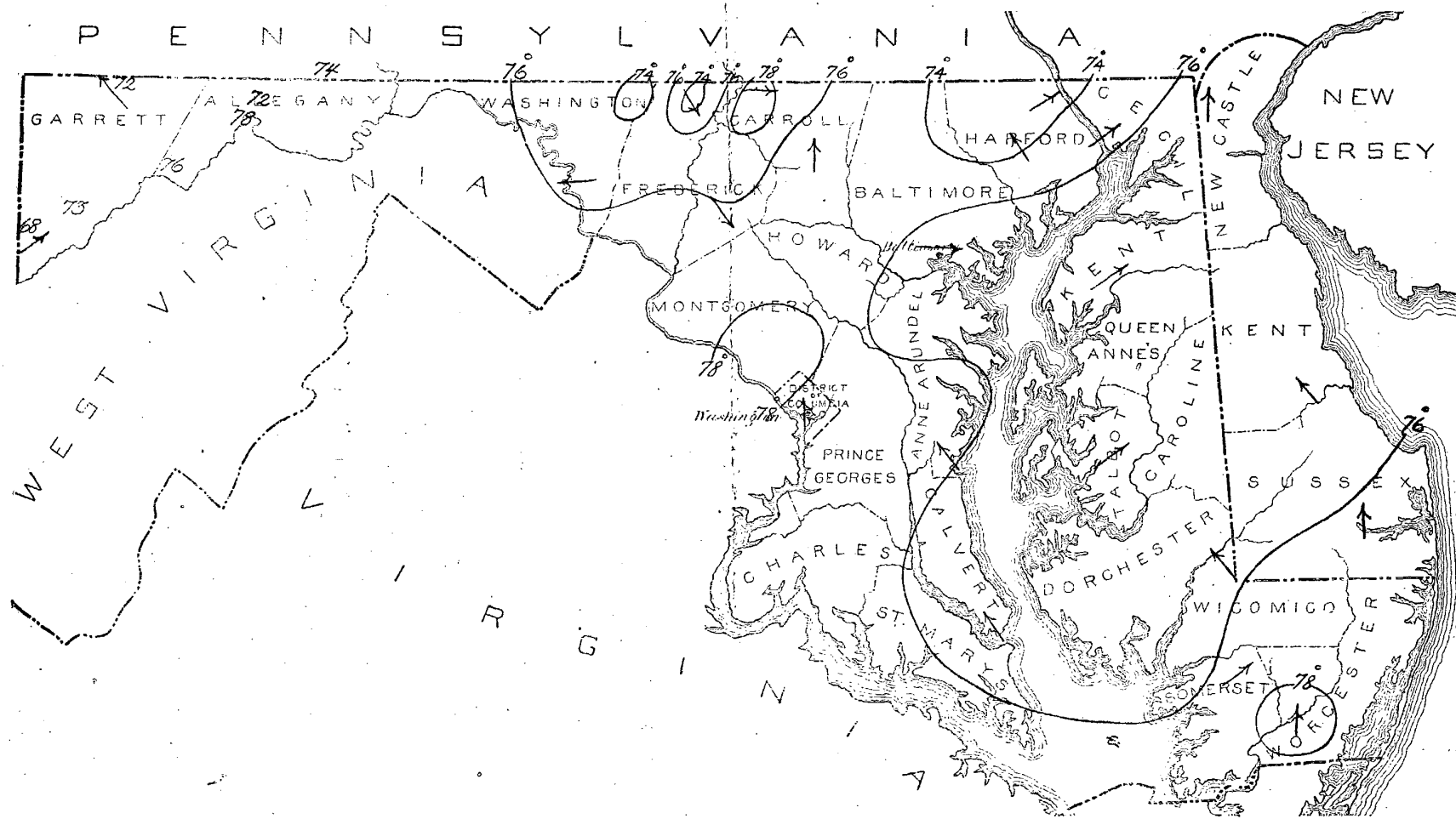
PREPARED UNDER THE DIRECTION OF
WILLIS L. MOORE,
CHIEF OF BUREAU.

BY

F. J. WALZ,
LOCAL FORECAST OFFICIAL AND SECTION DIRECTOR,
JOHNS HOPKINS UNIVERSITY, BALTIMORE, MD.



MONTHLY MEAN ISOTHERMS AND PREVAILING WINDS, JULY, 1897.



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.

VOL. II.

BALTIMORE, MD.

No. 7.

REVIEW OF THE CROP CONDITIONS.

WEEK ENDING, *July 5, 1897.*

The weather of the past week has been warm and dry; the temperature averaged daily two to three degrees above normal. The rainfall was practically nothing. Crops, however, made good progress, and the week was very favorable for harvesting. Wheat and rye are mostly harvested and the crops were large and fine; corn made good growth, but now begins to need rain. Oats are nearly ready for harvest and are heading out quite well. Tobacco and tomatoes are growing nicely, but will soon need rain. Hay crops generally saved, and in splendid condition. Peaches, pears and apples continue dropping; berries are abundant and grapes are growing finely. Beets, sweet potatoes and vegetables generally doing well.

* * *

WEEK ENDING, *July 12, 1897.*

The weather of the past week has been unusually warm and dry over the entire section, though on the whole it has been exceptionally favorable for harvesting and all farm work of the season. The temperature averaged 2 degrees above normal daily, while the precipitation was limited to a few light local showers. The wheat harvest is practically over, and some wheat is being threshed; the yield is excellent and the quality very good; corn is short, but growing slowly and needs rain. Early potatoes are being dug; in some localities the yield is short, in others quite fair. Haying is well advanced; the timothy cut will be heavy; clover quite good. Apples and pears continue dropping, the crops will be short; plums will also be scarce, but grapes are very promising. Peaches will do fairly well in Western Maryland, but in Eastern Maryland and Delaware the crop is short and poor. Tobacco has not made much growth on account of the dry weather. Caterpillars are numerous in some localities.

* * *

WEEK ENDING, *July 19, 1897.*

The past week has been cool and moist, the temperature averaging about three degrees below the normal, and the rain-

fall from an inch to an inch and a quarter above the normal. The showers have been general over the section, and beneficial to all growing crops, especially corn, tobacco, tomatoes, and potatoes. Wheat is about all harvested, some threshed, and yields excellent. Tobacco is growing nicely, and the outlook is flattering. Grapes are very promising. Tomatoes are making good progress, but in some sections the yield is not so promising. Corn is growing finely, but with some irregularity. Oats are being cut; the crop will be somewhat below the average. Haymaking is in progress, and the crop is heavy. Late cabbage is being planted. Early apples are ripening, but are of inferior quality. Peaches are scarce; the first shipment from Washington County was made during the week. There will be large quantities of honey, of superior quality. Garden truck has been greatly benefited by rains.

* * *

WEEK ENDING, *July 26, 1897.*

The weather during the past week was on the whole warm and rainy; the rain did some little damage to grain in shock, and interfered somewhat with threshing and oats harvesting, yet as a whole it was of great benefit, and growing crops were rapidly advanced, especially corn, tomatoes, tobacco, melons, and garden truck. The rainfall in some sections was over 4 inches. Wheat is now mostly in the shock, though some is threshed; the crop will yield the best in years. Corn made a phenomenal growth in the past week, and now the crop bids fair to be an average one; oats are being cut and the yield is fair. The hay crop is good; pastures are now excellent. Tomatoes are a little backward but growing rapidly and the yield promises heavy. Watermelons are looking well and cantaloupes are ripening. Apples will not be plentiful, except early ones in some sections; the peach crop is good in the western counties, but very poor in the eastern counties and in Delaware. Grapes are very promising. Tobacco is growing finely and is very promising, some of it is in bloom.

* * *

WEEK ENDING, *August 2, 1897.*

The marked features of the past week were the heavy rains of the early portion, and the rapid advance of growing crops. The temperature averaged from 2° to 3° daily below normal, while the rainfall for the week was more than double the normal value in most portions of the State. In the southern and eastern counties heavy rains caused much damage to corn and tobacco in the field, and to wheat and oats in the shock; and everywhere delayed harvesting. Harvesting is drawing to a close; the wheat crop is the finest in recent years; oats will give an average yield; hay a fair crop. Corn has recovered lost ground and now promises a good yield; the potato crop will be fair; tomatoes are in fine condition; pastures are good; grapes promise well; tobacco, though damaged by heavy rains in some sections, is growing nicely. In the western section peaches are in good condition; reports from southern and eastern sections continue discouraging.

CLIMATOLOGY OF THE MONTH.

ATMOSPHERIC PRESSURE—IN INCHES AND HUNDREDTHS.

Monthly mean at Washington, D. C., 29.97; at Baltimore, 29.96; average, 29.96; highest, 30.80 at Washington and Baltimore, on the 19th; lowest, 29.63 at Baltimore, on the 12th.

TEMPERATURE—IN DEGREES FAHRENHEIT.

The monthly mean (entire territory), 75.6, was 0.5 above the normal.

The highest monthly mean was 78.8, at Pocomoke City.

The lowest monthly mean was 67.6, at Deer Park.

The highest temperature recorded during the month was 102, at Westernport, on the 8d.

The lowest temperature recorded during the month was 41, at Deer Park, on the 14th.

The greatest local monthly range was 50, at Westernport and Deer Park.

The least local monthly range was 26, at Princess Anne.

The greatest daily range was 41, at Westernport, on the 8th and 9th.

The least daily range was 3, at Darlington, on the 18th.

PRECIPITATION—IN INCHES AND HUNDREDTHS.

The monthly average (entire territory) 6.94, was 3.17 above the normal.

The greatest amount was 19.90, at Jewell.

The least amount was 2.78, at Cherryfields.

The greatest amount in twenty-four hours was 14.75, at Jewell, on the 26th-27th.

The average number of rainy days, 18.

WIND.

The prevailing direction was from the southwest.

The total movement was 3,551 miles, at Baltimore, and 4,042 miles, at Washington, D. C.

The maximum wind velocity was 34 miles per hour from the north, at Washington, D. C., on the 7th.

MISCELLANEOUS.

Thunderstorms.—Annapolis, 7, 23, 26, 27; Bachman's Valley, 7, 11, 12, 13, 17, 21; Baltimore, 7, 12, 17, 18, 19, 23, 31; Charlotte Hall, 7, 11, 12, 23, 27, 31; Cherryfields, 2, 11, 23, 24, 26; Chestertown, 23, 31; Cumberland, 6, 11, 12, 23, 26; Fallston, 7, 11, 12, 14, 17, 18, 19, 20, 21, 23, 31; Frederick, 7, 11, 12, 17, 18, 19, 21, 31; Grantsville, 4, 5, 6, 7, 11, 14, 17, 18, 19, 20, 23, 31; Green Spring Furnace, 7, 23; Jewell, 2, 7, 12, 17, 18, 19, 20, 23, 26, 31; Laurel, 28, 31; Mardela Springs, 1, 7, 11, 12, 14, 17, 18, 19, 20, 21, 23, 24, 26, 27, 31; Millsboro, Del., 2, 7, 11, 13, 14, 17, 18, 19, 21, 23, 24, 28; Mt. St. Mary's College, 2, 7; Newark, Del., 2, 31; Port Deposit, 12, 21, 24; Princess Anne, 7, 12, 19, 20, 23, 24; Smithsburg, 11, 12; Solomon's, 2, 7, 11, 12, 14, 18, 19, 21, 23, 24, 26, 27, 28; Sunnyside, 5, 6, 7, 11, 14, 17, 18, 19, 25, 31; Taneytown, 7, 12, 14, 19.

Hail.—Charlotte Hall, 23; Cumberland, 11; Fallston, 23, 31; Grantsville, 31; Millsboro, Del., 23; Newark, Del., 31; New Market, 7, 11; Smithsburg, 12; Solomon's, 2, 18; Sunnyside, 19; Van Bibber, 14; Westernport, 17.

Lightning, distant.—Charlotte Hall, 10; Mardela Springs, 25, 28; Mt. St. Mary's College, 12; Solomon's, 10, 25; Taneytown, 13, 17.

Fogs, dense.—Easton, 5; Grantsville, 27; Green Spring Furnace, 29; Laurel, 1, 6; Mardela Springs, 3, 5, 9, 16.

Halo, lunar.—Jewell, 7.

Coronæ, lunar.—Millsboro, Del., 6, 9.

Double rainbow.—Jewell, 10.

Heavy rains.—Princess Anne, 2.05 inches in one hour on 8d from 1 to 2 p. m.; Jewell, 14.75 inches on the 26-27th.

* * *

A REMARKABLE RAINFALL.

In the reports for this month will be found the record of a remarkably heavy rainfall, which occurred at Jewell on the 26th-27th, during which 14.75 inches fell within less than twenty-four hours. A letter from the voluntary observer at that station fully verifies the accuracy of the measurements made. The 2-inch receiver of his rain gauge was filled seven times from the overflow cylinder, and the eighth pouring gave an additional .75 of an inch. The observer, Mr. Jos. Plummer, reports that the residents of that section all agree that it was the heaviest rainfall that they ever witnessed. The rain began about six o'clock in the evening of Monday the 26th, with thunder in the southwest, and increased in violence until the following morning, when it gradually became lighter and ceased about noon. The streams were higher than ever before known. Fences were carried off, and nearly every bridge in the section was either washed away or badly damaged. Lowland crops were destroyed, roads and fields badly washed, and wheat shocks and hay stacks carried away.

* * *

HAILSTORM IN HARFORD COUNTY.

An exceptionally heavy storm passed over Aberdeen, Harford County, in the afternoon of July 23. The rain fell in torrents and the lightning was vivid. Hail fell for about half an hour and the oldest residents say it was the largest ever seen in these parts. It ranged in size from a pigeon egg to a hen egg. Several stones were measured and one was six inches in circumference. The hail did not melt until an hour after the rain was over. About half-past three o'clock, during the heaviest rain, Morgan Mitchell's barn, about half a mile below Aberdeen, was struck by lightning and burned to the ground. The barn was full of hay, which was burned. Thirteen horses and a mule were gotten out in safety. Two horses hitched to a wagon were knocked down by the lightning. Mr. Mitchell's wife was stunned during the storm.

Climatological data for Maryland and Delaware, July, 1897.

| 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. | Number partly cloudy days. | Number cloudy days. | | | |
| WESTERN MARYLAND. | | | | | | | | | | | | | | | | | | | | | |
| Boethcherville* 2..... | Allegany..... | 900 | 7 | 71.6 | +0.8 | ..... | ..... | ..... | ..... | 4.30 | +1.85 | 1.50 | ..... | 9 | ..... | ..... | ..... | ..... | ..... | F. F. Brown. | |
| Cumberland..... | do..... | 650 | 38 | 77.2 | +4.5 | 98 | 5 | 60 | 15 | 26 | 4.41 | +0.93 | 1.30 | ..... | 13 | ..... | ..... | ..... | ..... | Howard Shriver. | |
| Deer Park..... | Garrett..... | 2,457 | 2 | 67.6 | ..... | 91 | 5 | 41 | 14 | 36 | 5.13 | ..... | 0.93 | ..... | 8 | 18 | 6 | ..... | ..... | S. P. Specht. | |
| Flintstone..... | Allegany..... | ..... | 2 | 74.1 | ..... | 96 | 3 | 50 | 14 | 36 | 3.64 | ..... | 1.40 | ..... | 18 | 6 | ..... | ..... | ..... | N. T. Downs. | |
| Grantsville..... | Garrett..... | 2,100 | 4 | 72.4 | ..... | 94 | 5 | 49 | 14 | 25 | 6.16 | ..... | 1.50 | ..... | 14 | 3 | 22 | 5 | se. | J. S. Miller. | |
| Green Spring Furnace..... | Washington..... | 500 | 5 | 75.6 | -0.4 | 97 | 7 | 53 | 29 | 30 | 4.73 | ..... | 0.97 | ..... | 11 | 17 | 9 | ..... | ..... | E. G. Kinsell. | |
| Hagerstown..... | do..... | 550 | 6 | ..... | ..... | 97 | 6 | 59 | 29 | 36 | 4.69 | ..... | 1.70 | ..... | 7 | 16 | 6 | 9 | ..... | Prof. C. E. Carl. | |
| Sharpsburg..... | do..... | 420 | 3 | 75.2 | ..... | 94 | 6 | 57 | 15 | 27 | 3.99 | ..... | 1.48 | ..... | 11 | 20 | 8 | 3 | ..... | R. L. Hiberger. | |
| Smithsburg..... | do..... | ..... | ..... | 74.8 | ..... | 90 | 7 | 59 | 15 | 23 | 5.52 | ..... | 1.90 | ..... | 17 | 8 | 23 | 0 | ..... | L. J. Bell. | |
| Sunnyside..... | Garrett..... | 2,440 | 5 | 68.8 | +2.6 | 93 | 4 | 46 | 15 | 35 | 5.51 | +1.93 | 1.93 | ..... | 16 | 10 | 0 | 21 | sw. | J. G. Knauer. | |
| Westernport..... | Allegany..... | 1,000 | 3 | 75.6 | ..... | 102 | 3 | 52 | 14 | 41 | 3.01 | ..... | 0.61 | ..... | 13 | ..... | ..... | ..... | ..... | Prof. O. H. Bruce. | |
| Average..... | | | | 73.3 | +3.0 | | | | | | 4.64 | +1.72 | | 12 | 13 | 11 | 7 | | | | |
| NORTHERN-CENTRAL MD. | | | | | | | | | | | | | | | | | | | | | |
| Bachman's Valley..... | Carroll..... | ..... | 4 | 74.8 | ..... | 95 | 6 | 56 | 29 | 31 | 5.10 | ..... | 2.05 | ..... | 11 | 18 | 10 | 3 | s. | J. M. Myers. | |
| Baltimore..... | Baltimore..... | 123 | 63 | 76.9 | -0.6 | 94 | 23 | 62 | 29 | 23 | 6.93 | +2.08 | 1.94 | ..... | 14 | 6 | 15 | 10 | w. | U. S. Weather Bureau. | |
| Darlington Academy..... | Harford..... | 300 | 8 | 74.5 | +0.2 | 91 | 10 | 58 | 15 | 26 | 6.76 | +3.20 | 1.35 | ..... | 12 | 16 | 7 | 8 | sw. | Prof. A. F. Galbreath. | |
| Fallston School* 1..... | do..... | 450 | 29 | 74.4 | +0.3 | 88 | 6 | ..... | ..... | ..... | 9.49 | +6.32 | 3.25 | ..... | 15 | 1 | 25 | 5 | se. | G. G. Curtis, A. M. | |
| Frederick..... | Frederick..... | 250 | 28 | 76.6 | +0.9 | 95 | 7 | 59 | 29 | 31 | 7.33 | +3.82 | 2.52 | ..... | 14 | 8 | 17 | 6 | ..... | McClintock Young. | |
| Great Falls* 3..... | Montgomery..... | 150 | 9 | 77.6 | +2.3 | 90 | 6 | ..... | ..... | ..... | 5.06 | +1.22 | 1.40 | ..... | 9 | ..... | ..... | ..... | ..... | Capt. D. D. Gallard. | |
| Johns Hopkins Hospital..... | Baltimore..... | 124 | 3 | 76.4 | ..... | 93 | 23 | 60 | 29 | 24 | 7.92 | ..... | 1.81 | ..... | 14 | 13 | 12 | 6 | sw. | W. L. Woods. | |
| McDonogh School..... | Frederick..... | 545 | 22 | 74.3 | ..... | 92 | 7 | 59 | 14 | 23 | 7.99 | +4.72 | 1.72 | ..... | 10 | 16 | 3 | 12 | nw. | S. H. Moore. | |
| Mt. St. Mary's College..... | do..... | 720 | 37 | 76.8 | -0.1 | 95 | 6 | 57 | 23 | 33 | 9.48 | +5.84 | 2.85 | ..... | 11 | 14 | 13 | 4 | nw. | J. A. Mitchell, Ph. D. | |
| New Market..... | Howard..... | 550 | 14 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | H. H. Hopkins, M. D. | |
| St. Charles College..... | Carroll..... | 300 | 3 | 77.6 | ..... | 100 | 6 | 57 | 29 | 33 | 7.27 | ..... | 2.06 | ..... | 14 | 9 | 14 | 8 | w. | H. M. Chapulins, S. S. | |
| Taneytown..... | Harford..... | ..... | 2 | 76.0 | ..... | 98 | 10 | 58 | 14 | 28 | 9.26 | ..... | 2.00 | ..... | 17 | 17 | 2 | 12 | sw. | Prof. H. Meier. | |
| Van Bibber..... | Carroll..... | ..... | 3 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | H. A. Wroth. | |
| Western Maryland Coll..... | Baltimore..... | 392 | 28 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Prof. Roland Watts. | |
| Woodstock College..... | | | | | | | | | | | | | | | | | | | | T. J. A. Freeman, S. J. | |
| Average..... | | | | 76.0 | +0.8 | | | | | | 7.51 | +3.67 | | 13 | 12 | 12 | 7 | sw. | | | |
| SOUTHERN MARYLAND. | | | | | | | | | | | | | | | | | | | | | |
| Annapolis..... | Anne Arundel..... | 20 | 24 | 76.8 | ..... | 93 | 25 | 64 | 29 | 20 | 5.76 | +1.21 | 1.95 | ..... | 8 | 13 | 14 | 4 | ..... | J. E. Abbott. | |
| Charlotte Hall School..... | St. Mary's..... | 167 | 4 | 76.0 | ..... | 90 | 23 | 58 | 15 | 25 | 6.78 | ..... | 1.42 | ..... | 15 | 8 | 20 | 3 | s. | J. F. Coad. | |
| Cherryfields* 2..... | do..... | 20 | 4 | 76.8 | ..... | ..... | ..... | ..... | ..... | ..... | 2.78 | ..... | 0.73 | ..... | 12 | 8 | 14 | 9 | sw. | Col. J. E. Coad. | |
| Distributing Reservoir* 3..... | Dist. of Columbia..... | 120 | 7 | 78.3 | +2.1 | 91 | 6 | ..... | ..... | ..... | 5.77 | +2.21 | 1.71 | ..... | 10 | ..... | ..... | ..... | ..... | Captain Gallard. | |
| Jewell..... | Anne Arundel..... | 165 | 10 | 75.6 | -0.1 | 89 | 3 | 60 | 15 | 22 | 9.90 | ..... | 14.75 | ..... | 9 | 18 | 8 | 5 | se. | J. Plummer. | |
| Laurel..... | Prince George's..... | 120 | 3 | 75.4 | ..... | 92 | 23 | 55 | 15 | 29 | 6.70 | ..... | 2.00 | ..... | 7 | 6 | 19 | 6 | ..... | Dr. T. M. Baldwin. | |
| Md. Agricultural College..... | do..... | 170 | 6 | ..... | ..... | 90 | 2 | 54 | 15 | 30 | 5.29 | +0.48 | 1.49 | ..... | 13 | ..... | ..... | ..... | ..... | Prof. J. H. Patterson. | |
| Receiving Reservoir* 3..... | Dist. of Columbia..... | 160 | 7 | 78.3 | +2.1 | 90 | 2 | ..... | ..... | ..... | 5.66 | +2.35 | 1.57 | ..... | 11 | ..... | ..... | ..... | ..... | Captain Gallard. | |
| Solomon's..... | Calvert..... | 20 | 6 | 78.6 | +0.7 | 92 | 26 | 64 | 15 | 22 | 7.39 | +4.25 | 1.33 | ..... | 17 | 5 | 4 | 22 | se. | W. H. Marsh, M. D. | |
| Washington..... | Dist. of Columbia..... | 112 | 27 | 76.9 | -0.1 | 92 | 23 | 61 | 15 | 24 | 5.78 | +1.22 | 1.21 | ..... | 16 | 13 | 9 | 9 | s. | U. S. Weather Bureau. | |
| Average..... | | | | 77.2 | 0 | | | | | | 7.18 | +3.02 | | 12 | 10 | 13 | 8 | | | | |
| EASTERN MARYLAND. | | | | | | | | | | | | | | | | | | | | | |
| Chestertown..... | Kent..... | 80 | 13 | 75.2 | -0.6 | 88 | 2 | 60 | 29 | 22 | 8.43 | +5.50 | 2.51 | ..... | 12 | 11 | 14 | 6 | sw. | Hon. M. de K. Smith. | |
| Denton..... | Caroline..... | 42 | 8 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | F. C. Ramsdell. | |
| Easton..... | Talbot..... | 35 | 8 | 76.0 | +5.2 | 90 | 23 | 61 | 16 | 25 | 8.30 | +4.20 | 2.05 | ..... | 16 | 21 | 5 | 5 | sw. | Henry Shreve. | |
| Mardela Springs..... | Wicomico..... | 25 | 10 | 76.9 | +2.6 | 90 | 2 | 62 | 15 | 24 | 9.96 | +3.78 | 2.00 | ..... | 16 | 10 | 9 | 12 | se. | A. E. Acworth. | |
| Pocomoke City..... | Worcester..... | 37 | 4 | 78.8 | ..... | 91 | 6 | 64 | 5 | 24 | 8.09 | ..... | 2.11 | ..... | 14 | 14 | 12 | 5 | s. | R. M. Stevenson. | |
| Port Deposit..... | Cecil..... | ..... | ..... | 75.8 | ..... | 95 | 6 | 61 | 5 | 31 | 7.64 | ..... | 2.00 | ..... | 12 | 19 | 4 | 8 | s. | A. L. Lamb. | |
| Princess Anne..... | Somerset..... | 20 | 23 | 76.0 | -1.4 | 86 | 2 | 60 | 16 | 21 | 11.38 | ..... | 2.05 | ..... | 16 | 2 | 24 | 5 | sw. | J. R. Stewart. | |
| Average..... | | | | 76.4 | +1.7 | | | | | | 8.97 | +4.75 | | 14 | 13 | 11 | 7 | sw. | | | |
| DELAWARE. | | | | | | | | | | | | | | | | | | | | | |
| Dover..... | Kent..... | 40 | 21 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | J. S. Jester. | |
| Kirkwood* 1..... | Newcastle..... | ..... | 1 | ..... | ..... | 92 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | J. S. Carnagy. | |
| Milford..... | Kent..... | 18 | 1 | 76.6 | +0.6 | 94 | 31 | 63 | 30 | 28 | 8.53 | +4.61 | 2.22 | ..... | 14 | 22 | 0 | 9 | se. | J. Y. Foulk. | |
| Millsboro..... | Sussex..... | 5 | 5 | 75.8 | +0.2 | 92 | 1 | 61 | 16 | 23 | 8.16 | +4.74 | 1.69 | ..... | 18 | 12 | 13 | 6 | s. | Rev. L. W. Wells. | |
| Newark (Delaware Coll.)..... | Newcastle..... | 4 | 4 | 75.4 | ..... | 92 | 10 | 59 | 15 | 25 | 8.70 | ..... | 2.50 | ..... | 18 | 17 | 5 | 9 | s. | Prof. W. H. Bishop. | |
| Seaford..... | Sussex..... | ..... | 7 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | H. L. Wallace. | |
| Average..... | | | | 75.9 | +0.3 | | | | | | 8.46 | +4.85 | | 17 | 17 | 6 | 8 | s. | | | |
| General average..... | | | | 75.6 | +0.5 | | | | | | 6.94 | +3.12 | | 13 | 13 | 11 | 7 | sw. | | | |

* Extremes of temperature from observed readings of dry thermometer.

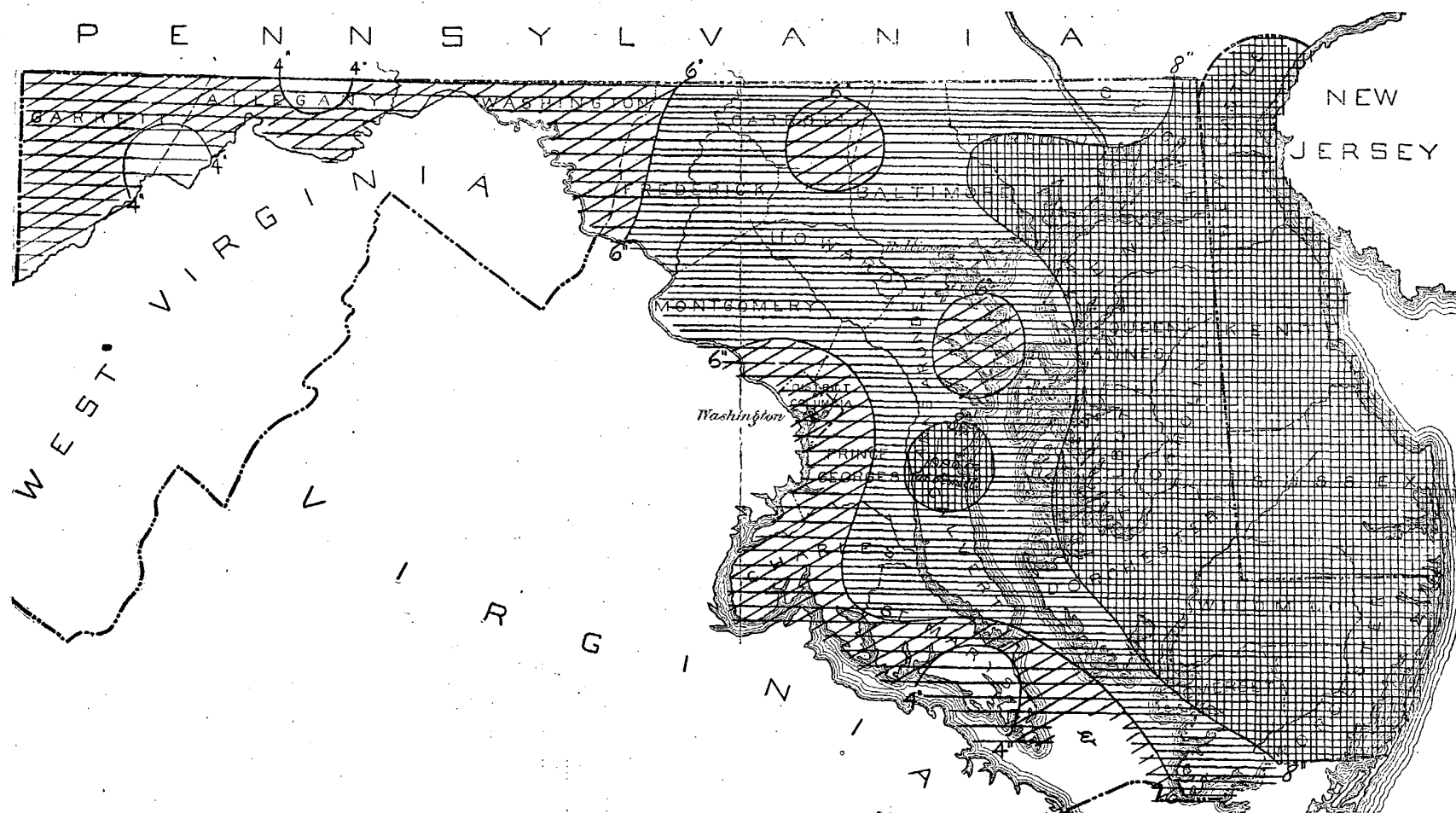
1 Mean of 7 a. m. + 2 p. m. + 9 p. m. + 4.

2 Mean of 8 a. m. + 8 p. m. + 2.

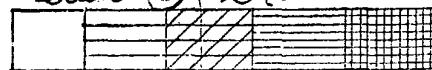
3 Mean of 7 a. m. + 2 p. m. + 2.

‡ 100 on the 6th and 7th.

TOTAL PRECIPITATION, JULY, 1897.



Scale of Shades.



0 to 2" 2 to 4" 4 to 6" 6 to 8" Over 8"

Daily precipitation for Maryland and Delaware, July, 1897.

| 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. | | |
| WESTERN MARYLAND. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boettcherville..... | .10 | | | | | .10 | | | | | 1.50 | .30 | | | | .10 | | | | | .40 | | .40 | | | | 1.30 | | | | .10 | 4.30 | |
| Cumberland..... | | | | | | .10 | | | | | 1.30 | .40 | .13 | | | .04 | | .09 | | | .24 | .03 | | .30 | | .62 | .53 | .57 | | .06 | | 4.41 | |
| Deer Park..... | | | | | | .50 | .33 | | | | .70 | | | | .10 | .20 | .90 | | .93 | .20 | .16 | | | | .22 | .19 | .70 | | | | | 5.13 | |
| Flintstone..... | | | | | | 1.40 | | | | | .85 | | | | | .14 | | | | | | .18 | | | | .35 | .52 | | | | | 3.64 | |
| Grantsville..... | | | | | | .37 | .08 | | | | .39 | .27 | | .04 | | .02 | 1.50 | 1.40 | | .40 | | .36 | | | .20 | .27 | | | | | .80 | 6.15 | |
| Green Spring Furnace..... | .54 | | | | | .97 | | | | | .33 | | | | | .22 | | | | .55 | .08 | .04 | | | .66 | .36 | .92 | .06 | | | | 4.73 | |
| Hagerstown..... | 1.70 | | | | | .36 | | | | | .04 | .04 | | | | | | | | | | | .75 | 1.25 | .55 | | | | | | | 4.69 | |
| Sharpsburg..... | .12 | | | | | .10 | | | | | .11 | .18 | .67 | | | .20 | | | | .77 | .81 | | | | .56 | .57 | | | | | | 3.99 | |
| Smithsburg..... | .65 | .60 | | | | | .01 | | | | 1.16 | .77 | .01 | .08 | .25 | .01 | | | .31 | .06 | .60 | .04 | .01 | | .35 | .50 | | | .11 | | | 5.52 | |
| Sunnyside..... | .04 | | | | | | .71 | | | | .36 | .70 | | | | .11 | | .23 | 1.03 | .31 | .23 | .36 | .38 | | .26 | .35 | .18 | .03 | | | | 5.51 | |
| Westernport..... | .01 | | | | | .18 | | | | | .15 | .40 | | | | .06 | .61 | .36 | | .24 | .25 | | | | .34 | .39 | .06 | | | | .05 | 3.01 | |
| NORTHERN-CENTRAL MARYLAND. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bachman's Valley..... | .02 | .08 | | | | | | | | | .07 | 1.09 | .30 | .22 | | | .28 | .14 | | | .23 | .62 | | | | | | 2.05 | | | | 5.10 | |
| Baltimore..... | | | | | | | .11 | | | | | .44 | .04 | | | 1.81 | .07 | .60 | .10 | .01 | 1.29 | | | | | 2.10 | .24 | .05 | | | .03 | 6.93 | |
| Darlington Academy..... | | | | | | | | | | | .35 | .39 | | .25 | | .25 | .84 | .31 | .50 | 1.20 | | .25 | .02 | | 1.35 | 1.05 | | | | | | 6.99 | |
| Fallston School..... | | .06 | | | | .25 | | | | | .05 | .12 | | .38 | | .67 | 1.03 | .28 | .17 | .05 | 2.37 | .40 | .01 | | 3.25 | .40 | | | | | | 9.49 | |
| Frederick..... | .19 | .03 | | | | .35 | | | | | .13 | .33 | | | | .82 | .35 | .16 | | .14 | 1.60 | | | | 2.52 | .50 | .05 | | | | .16 | 7.33 | |
| Great Falls..... | .19 | | .10 | | | | .32 | | | | .97 | .46 | | | | .08 | .58 | .28 | | | | 1.40 | | | 1.00 | .45 | | | | | | 5.06 | |
| Johns Hopkins Hospital..... | | | | | | | .15 | .02 | | | | .40 | .02 | | | .06 | 1.81 | .50 | .30 | .16 | 1.32 | | | | 1.70 | 1.35 | .05 | .08 | | | | 7.92 | |
| McDonogh School..... | | | | | | .63 | | | | | | .18 | | | | 1.72 | | .33 | .29 | .60 | | | | | 1.47 | .92 | | | | | | 7.99 | |
| Mt. St. Mary's College..... | .02 | .83 | | | | .34 | | | | | .73 | 2.85 | | | | | .78 | .60 | | .09 | 1.52 | | | | 1.57 | .80 | | | | | .15 | 9.48 | |
| New Market..... | .05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. Charles College..... | | | | | | 1.12 | | | | | .14 | 1.37 | .14 | | | .16 | .02 | .33 | .30 | .10 | .06 | .63 | | | | | | | | | | 7.27 | |
| Tanewtown..... | .02 | | | | | | .11 | | | | | .42 | | .19 | | .20 | .16 | 1.87 | .12 | .40 | 1.54 | | .35 | | .03 | 2.00 | 1.71 | .04 | | | .10 | 9.26 | |
| Van Bibber..... | .01 | .01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Western Maryland College..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Woodstock College..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SOUTHERN MARYLAND. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Annapolis..... | | | | | | | | | | | | .53 | .09 | | | | .11 | 1.70 | | | | .11 | | | | | 1.95 | 1.20 | .07 | | | 5.76 | |
| Charlotte Hall School..... | .06 | .36 | | | | .51 | | | | | | .04 | | | | .65 | .80 | .65 | .59 | .09 | | .70 | | | 1.00 | .42 | .65 | .23 | | | .03 | 6.78 | |
| Cherryfields..... | | | | | | .12 | | | | | | .14 | .07 | | | .02 | .14 | .39 | .25 | .21 | | .08 | | | .73 | .29 | .34 | | | | | 2.78 | |
| Distributing Reservoir, D. C..... | .03 | | .04 | | | | 1.71 | | | | | | | | | .15 | | .54 | .22 | .20 | 1.07 | | | | 1.40 | .41 | | | | | | 5.77 | |
| Jewell..... | | | | | | .67 | | | | | | .25 | | | | .58 | | .22 | .33 | .05 | | | | | | | 1.05 | | | | | 19.90 | |
| Laurel..... | | | | | | | | | | | .22 | | | | | | 1.13 | | | | 2.02 | .00 | | | | 1.70 | 1.00 | | | | | 45 | |
| Maryland Agricultural College..... | | | | | | | | | | | .30 | .01 | .14 | | | | .93 | .03 | .02 | 1.49 | .06 | | | | 1.11 | 1.13 | .01 | .02 | | .04 | 5.29 | | |
| Receiving Reservoir, D. C..... | | | | | | | 1.46 | | | | .31 | .06 | | | | .26 | .07 | .34 | .18 | 1.57 | | | | | .96 | .42 | | | | | | 5.66 | |
| Solomon's..... | | .52 | .22 | | | .11 | | | | | .03 | .12 | | | | .65 | 1.33 | 1.20 | .36 | .43 | .14 | .12 | | | .65 | .82 | 1.17 | .08 | | | | 7.39 | |
| Washington, D. C..... | .03 | | | | | .86 | | | | | | .01 | .39 | .05 | .16 | | .10 | .50 | .86 | .07 | .01 | 1.16 | | | .10 | 1.21 | .26 | | | | .01 | 5.78 | |
| EASTERN MARYLAND. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chestertown..... | | | | | | | | | | | .60 | | | | | .03 | .70 | 1.75 | 1.35 | .41 | .66 | | .11 | | | | 2.51 | .27 | | .02 | | 8.43 | |
| Denton..... | | | | | | | | | | | | | | | | | | .31 | 2.05 | .79 | .72 | | .50 | | | | 1.19 | .99 | .15 | .03 | | 8.30 | |
| Easton..... | | | | | | .92 | .41 | | .02 | | .22 | | | | | | .04 | .65 | 1.78 | .35 | .02 | .43 | .80 | .93 | .41 | 1.06 | .26 | | .15 | | | 9.06 | |
| Mardela Springs..... | | | | | | 1.04 | | .04 | | | 2.00 | | | | | | | | 2.11 | 1.23 | .11 | .80 | | .25 | .23 | | .72 | .51 | | | | 8.09 | |
| Pocomoke City..... | | | | | | .59 | | | .05 | .09 | .13 | 1.01 | .26 | | | .45 | | .41 | .13 | .58 | 2.00 | | .10 | | 1.60 | .45 | .62 | | | | | 7.64 | |
| Port Deposit..... | | | | | | 1.20 | .10 | | | | 1.20 | .10 | | | | | | | | | | | | | | | | | | | | | |
| Princess Anne..... | | | | | | | 1.87 | | | | .02 | .84 | .11 | | | | .27 | 1.47 | 1.68 | .21 | .15 | .10 | .40 | | .53 | .39 | .77 | | .52 | | | 11.38 | |
| DELAWARE. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dover..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kirkwood..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Milford..... | | | | | | .81 | | | | | .06 | | 2.22 | | | | .78 | .10 | | | 2.29 | | | | | | 2.25 | .05 | | | | 8.53 | |
| Millsboro..... | | | | | | .65 | | | | | .43 | .54 | 1.69 | .04 | | | .22 | .29 | .47 | .65 | .07 | .19 | | .95 | .02 | .12 | .63 | .70 | .06 | | | 8.16 | |
| Newark (Delaware College)..... | | | | | | .74 | | | | | .10 | 1.35 | .07 | | | .11 | .16 | .60 | .21 | .43 | 1.26 | .03 | | | | 2.50 | .34 | | | | .38 | 8.70 | |
| Seaford..... | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

† Trace, when precipitation is less than 0.01 inch.

‡ 14.75 inches.