

JUN 17 1898

U. S. DEPARTMENT OF AGRICULTURE.

REPORT FOR MAY, 1898.

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

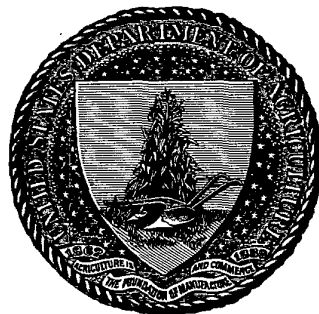
WILLIS L. MOORE,

CHIEF OF WEATHER BUREAU.

BY

F. J. WALZ,

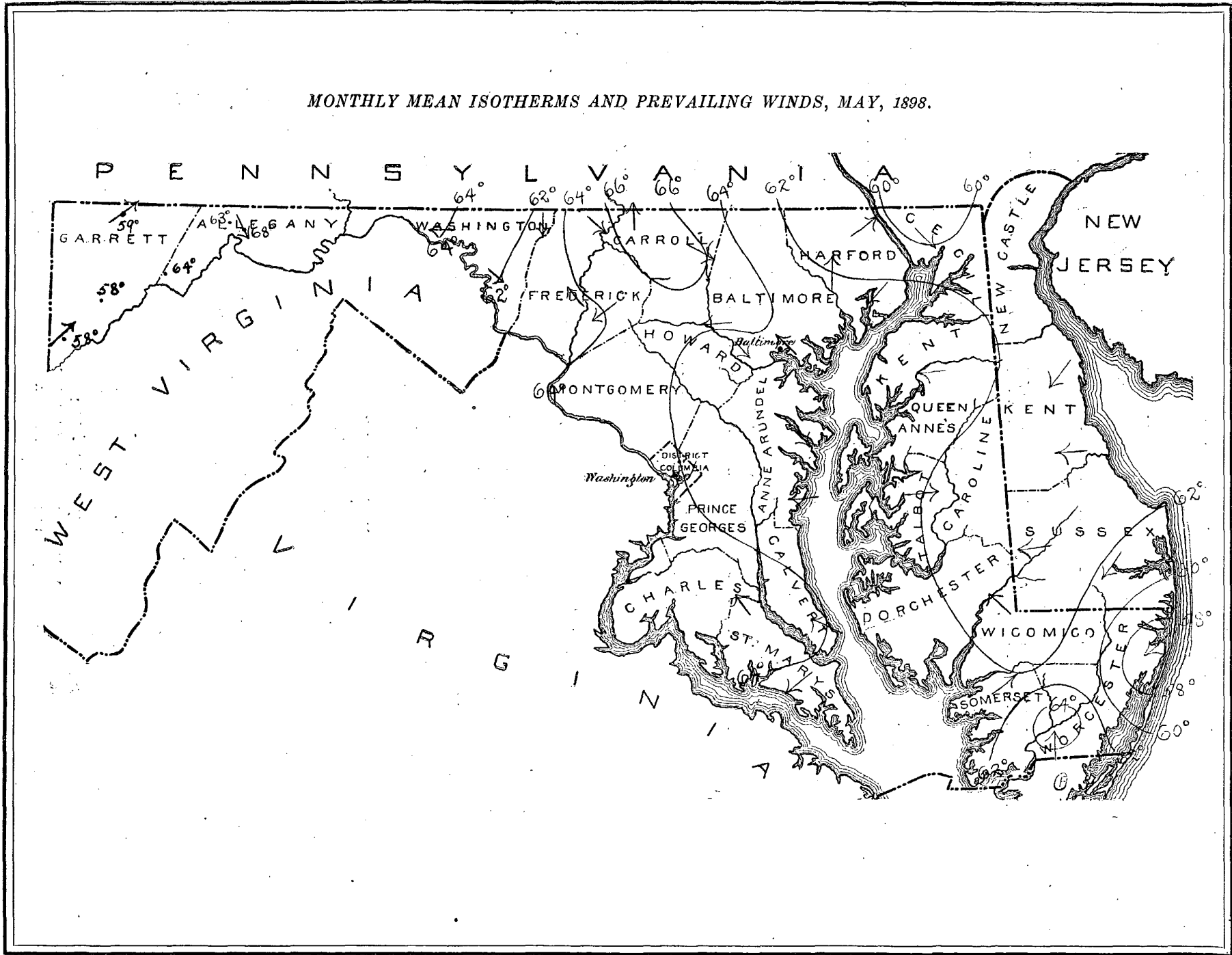
SECTION DIRECTOR.



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

1898.

MONTHLY MEAN ISOTHERMS AND PREVAILING WINDS, MAY, 1898.



U. S. DEPARTMENT OF AGRICULTURE,
CLIMATE AND CROP SERVICE

OF THE
WEATHER BUREAU.

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

IN COOPERATION WITH THE
MARYLAND STATE WEATHER SERVICE.

MARYLAND AND DELAWARE SECTION.

F. J. WALZ, Section Director. **O. L. FASSIG,** Assistant.
 BALTIMORE, MD.

VOL. III.

BALTIMORE, MD.

No. 5.

REVIEW OF THE CROP CONDITIONS.

**THE FIRST WEEK
 IN MAY.**

A review of the weather conditions for the past week shows a repetition of the cold, wet, and cloudy weather reported in the last bulletin of the Maryland and Delaware Section. The earlier days of the week, while cool, were on the whole favorable to plant growth and some progress was noticed for the time, but since Wednesday the temperatures have been much below normal, unbroken cloudiness and harsh northeast winds have prevailed, and the rainfall has been almost continuous. These unsettled conditions have, however, at last disappeared, giving way on Sunday night to clearing skies, and the bright sunshine of Monday morning was followed during the day by rapidly rising temperatures. Frosts occurred Monday morning, but not generally, and it is not expected that any damage will result.

Some progress in farming operations was made early in the week, but during the latter half labor was almost suspended. Wheat is reported as having made favorable growth and is looking well generally, except in the eastern counties where the cold wet weather has told slightly against it, and some complaint of damage by fly comes from Carroll County. Rye is heading out and generally looking well. Grass is in good condition. Oats are coming up, although it has been most too wet for best development of the crop. Corn planting has been completed in some sections, but was greatly delayed on the whole by the wet unseasonable weather, and the entire crop will not be put in until late; in some sections the ground is so wet that it will be three or four days before any further planting can be done. Early potatoes are coming up, and although making rather slow progress, are nevertheless promising; later varieties are being planted. Garden truck is doing fairly well, notwithstanding the retarding effects of the cool weather. Sweet potato, cabbage, and tomato plants are being set out. Peas are blossoming out, but the vines are short. Tobacco plants are of unusually large size, plentiful, and well advanced. Transplanting delayed on account of wet weather. Apples, pears, cherries, and strawberries are promising, having suffered no injury during the week. The peach crop is still uncertain, as the embryos have begun to show a great divergence in size, although the general opinion is that a fair crop may be expected.

**THE SECOND WEEK
 IN MAY.**

The past week has been but an extension of the rainy period that has prevailed throughout the Maryland and Delaware Section since the 23d of April. Heavy thunderstorms were general on the 12th, and the only days free from showers were Monday and Saturday. Much warmer weather has ruled since the 11th, however, than during the two weeks preceding, and the rise in temperatures has had a beneficial effect on all growth.

Farming operations have been greatly retarded. This is especially a fact in regard to corn planting, and as a result much of the crop is yet to be put in the ground. In Western Maryland the weather has been more favorable for outdoor work, and the corn crop is nearly all planted. Wheat is very promising all over the Section, with the exception of some adverse reports from Southern and Eastern Maryland, where it was very far advanced and was injured some by too much moisture. Oats have suffered slightly from the same cause, but are generally reported in good condition. Grass and rye are growing finely. Clover and rye are beginning to head. Potatoes are coming up, but making slow growth. Gardens are generally prospering, although nights have been too cool for tender growth. Transplanting of tomatoes and sweet potatoes has been in progress. Tobacco plants continue to thrive, but very few have been set out on account of continued wet weather. Fruit outlook continues fair, although a slight decrease in prospects is noted since last report. Strawberries are ripening and give promise of large yields; light shipments have begun. Dry and warm weather is greatly needed.

* * *

**THE THIRD WEEK
 IN MAY.**

The weather phases of the week have been quite varied. The days have been alternately cloudy and clear, although overcast skies have been the rule. A severe hailstorm passed over the interior counties from west to east on the 16th, and heavy thunderstorms prevailed in many sections on the 19th. The precipitation occurring on other dates fell in light showers of brief duration. The temperatures ranged from moderately cool to midsummer heat. Light frosts formed in the western counties on the 17th and 18th, while two days later the thermometer rose to 90° at many places. The week as a whole has, however, been several degrees warmer than the normal. Some damage was wrought throughout the northern-central and eastern portions of the section by hail and heavy rains, which washed plowed fields, beat down wheat and corn, and cut tender growth, but the injury thus done, while severe locally, was not extensive. The week as a whole witnessed the steady growth of all crops that were seasonably advanced, but corn and garden truck made only moderate progress. Corn planting is still much behind, although considerable work was done between the rainy periods. The crop now presents all stages, some fields under cultivation, others being planted, and again in the same sections the ground is just being broken. All grasses are in splendid condition and good hay crops are expected. Wheat looks well generally, although in places the wet weather has caused rust, and the fly is doing some damage. Rye and oats are doing nicely. Potatoes are

making good growth and undergoing first cultivation. Sweet potatoes were largely transplanted during the week. Fruit prospects are not holding up as well as they might. Peaches will probably give lighter yields than earlier anticipated; apples are falling freely; cherries are generally promising, but reported scarce in Western Maryland; plums short; pears promise fair. Strawberries are ripening and promise abundant yields. Some shipments of strawberries and early cabbages have been made. Tobacco plants are plentiful and of good growth, and transplanting is progressing slowly. Tomato plants are inferior in size.

* * *

THE FOURTH WEEK IN MAY.

The weather during the past week has given a continuation of the wet, showery conditions that have prevailed for the greater part of the current growing season. Showers were frequent in all sections, and in Eastern Maryland heavy rains occurred. The temperatures were mild, and on the whole seasonable. Farm work was impeded somewhat, though considerable advance was made, especially in corn planting. The rains appear to have been beneficial in the western counties, but were either injurious or else not needed in other districts.

Wheat is heading out finely, and is generally looking well, though considerable damage is reported by fly, and local injury from rust and lodging. Oats, rye, and grass are in fine condition. Clover is heading out, and a good crop is in prospect. Corn is now mostly planted, and is coming up nicely. Some of it is being given its first working. Garden truck is flourishing; strawberries ripening and plentiful; potatoes growing slowly, but generally promising; peas are maturing and promise well, though damaged by hail in some localities. Sweet potatoes, cabbages, and tomatoes are being transplanted in large quantities. Tobacco beds continue in flourishing condition, and planting is being pushed as rapidly as possible. Cherries, early apples, and peaches are dropping freely, and prospect for a good crop of these fruits is not so promising. In some sections pears are growing well, and in some of the north-central counties apples promise a fair crop.

* * *

CLIMATOLOGY OF THE MONTH.

ATMOSPHERIC PRESSURE—IN INCHES AND HUNDREDTHS.

Monthly mean at Washington, D. C., 29.95; at Baltimore, 29.94; average, 29.94; highest, 30.28 at Baltimore, on the 22d; lowest, 29.49 at Baltimore, on the 7th.

TEMPERATURE—IN DEGREES FAHRENHEIT.

The monthly mean (entire territory), 62.7, is 0.3 below the normal.

The highest monthly mean was 69.4, at Great Falls.

The lowest monthly mean was 58.6, at Ocean City.

The highest temperature recorded during the month was 96, at Taneytown, on the 1st, and at Milford, Del., on the 20th.

The lowest temperature recorded during the month was 25, at Deer Park and Sunnyside, on the 9th.

The greatest local monthly range was 63, at Kensington.

The least local monthly range was 44, at Ocean City.

The greatest daily range was 55, at Taneytown, on the 9th.

The least daily range was 2, at Laurel, on the 5th, and at Solomons, on the 7th.

PRECIPITATION—IN INCHES AND HUNDREDTHS.

The monthly average (entire territory) 4.47, was 0.26 above the normal.

The greatest amount was 12.29, at Bachman's Valley.

The least amount was 2.30, at Hagerstown.

The greatest amount in twenty-four hours was 4.04, at Bachman's Valley, on the 7th and 8th.

The average number of rainy days, 13.

WIND.

The prevailing direction was from the northeast.

The total movement was 4,235 miles, at Baltimore, and 4,594 miles, at Washington, D. C.

The maximum wind velocity was 25 miles per hour from the north, at Washington, D. C., on the 8th.

MISCELLANEOUS.

The following are dates on which various miscellaneous phenomena occurred:

Frost, light.—Bachman's Valley, 10; Boetcherville, 9; Chestertown, 9; College Park, 9; Easton, 9; Grantsville, 7, 10, 13, 14, 18, 30; Green Spring Furnace, 9, 18; Kensington, 8; Mardela Springs, 10; Princess Anne, 10; St. Charles College, 9; Sunnyside, 10, 14, 18; Taneytown, 9; Van Bibber, 9.

Frost, killing.—Bachman's Valley, 9; Deer Park, 18; Grantsville, 9; New Market, 9; Smithsburg, 9; Sunnyside, 9.

Hail.—Annapolis, 16; Baltimore, 16; Chestertown, 16; Fallston, 16, 24; Green Spring Furnace, 24; Laurel, 11, 16; New Market, 16; Princess Anne, 16; St. Charles College, 16; Taneytown, 8; Van Bibber, 10, 12, 16; Western Maryland College, 16; Woodstock, 16.

Thunderstorms.—Bachman's Valley, 15, 16, 19, 21, 22, 23, 24; Baltimore, 8, 12, 15, 16, 19, 20; Boetcherville, 15, 16, 21, 22, 23, 26; Charlotte Hall, 12, 15, 16, 21, 24, 25, 30; Cherryfields, 5, 6, 12, 16, 25, 30; Chestertown, 12, 14, 20; Fallston, 12, 15, 16, 19, 20, 21, 24, 26; Frederick, 8, 11, 12, 15, 16, 19, 21, 24, 25; Grantsville, 15, 16, 18, 21, 22, 23, 24, 26; Green Spring Furnace, 16, 19, 21, 22, 24, 26; Jewell, 12, 15, 16, 19, 20, 24, 25; Laurel, 11, 12, 15, 16, 20; Mardela Springs, 5, 6, 12, 13, 16, 20, 21, 24, 25, 26, 30; Milford, Del., 15, 16; Millsboro, Del., 6, 7, 12, 13, 16, 25, 30; Mt. St. Mary's, 12, 16, 19, 20, 21, 22, 23, 24; Newark, Del., 12, 15, 16, 20, 25; New Market, 11, 12, 15, 16, 19; Pocomoke City, 16, 25; Port Deposit, 12, 16, 19; Princess Anne, 5, 6, 12, 15, 16, 25; Seaford, Del., 12, 16, 30; Sharpsburg, 16, 19, 20, 21, 22, 24; Smithsburg, 12, 16, 19, 21; Solomons, 5, 6, 12, 15, 16, 24, 29, 30; St. Charles College, 11, 12, 16, 20; Sunnyside, 15, 16, 19, 22, 23, 24, 28; Taneytown, 7, 12, 15, 16, 19, 20, 21, 22, 23; Washington, 12, 16, 19, 20, 29; Western Maryland College, 12, 16, 19; Woodstock, 16, 19.

Fog.—Green Spring Furnace, 9; Mardela Springs, 13, 14, 29, 30; Millsboro, Del., 13, 14, 29; Mt. St. Mary's, 5; Princess Anne, 13, 14, 25, 29.

High winds.—Charlotte Hall, 16; Jewell, 8; Taneytown, 19; Van Bibber, 8.

Halos, solar.—Cherryfields, 10; Jewell, 9; Washington, 19.

Halo, lunar.—Princess Anne, 28.

High tide.—Cherryfields, 5, 7, 8, 10, 11.

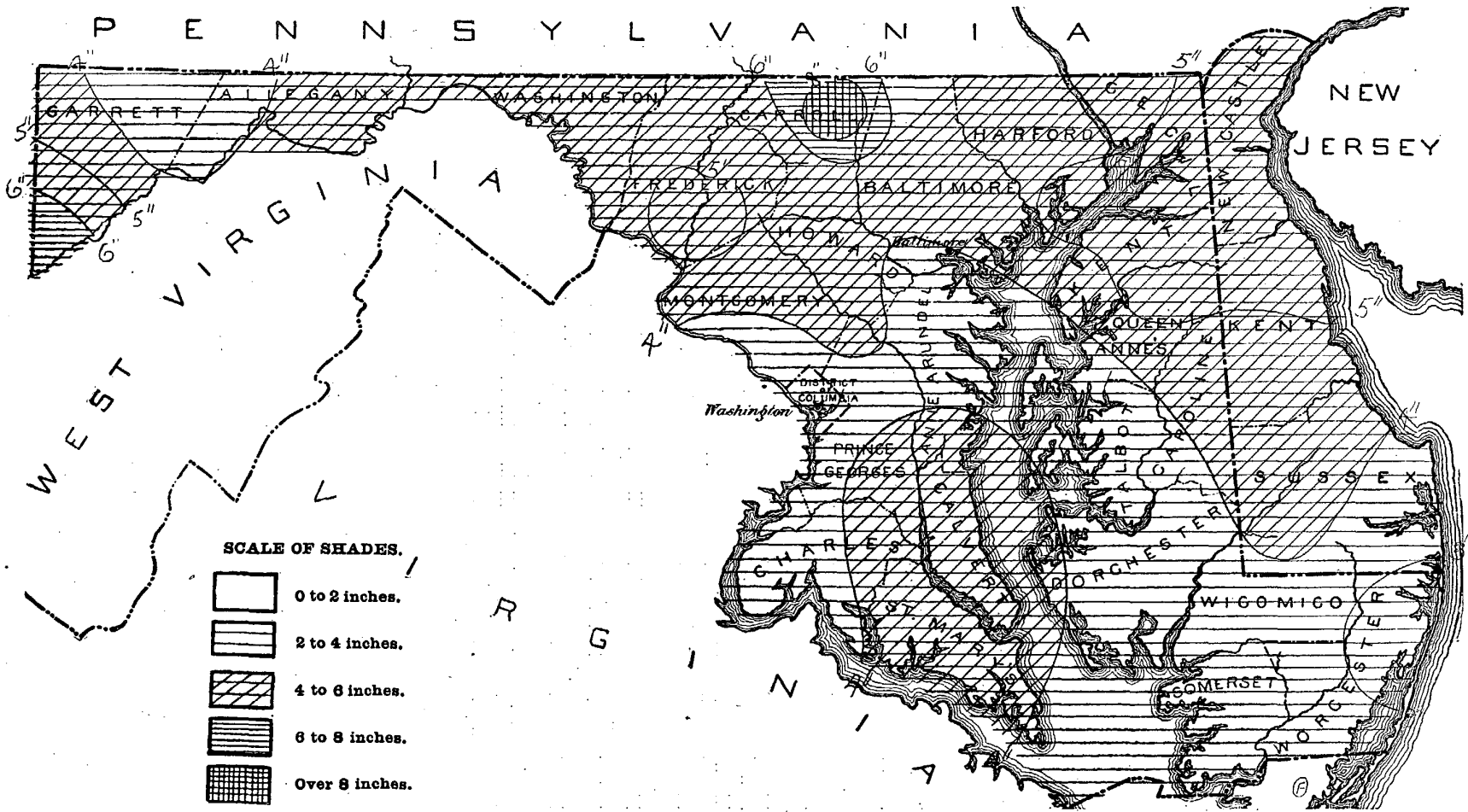
Climatological data for Maryland and Delaware, May, 1898.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.				Sky.				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.	Prevailing direction of wind.
WESTERN MARYLAND.																				
Boettcherville.....	Allegany.....	700	8	63.4	+1.7	92	19	30	9	46	3.87	-0.56	0.62	.....	13	6	14	11	.....	F. F. Brown.
Cumberland.....	Allegany.....	722	39	68.0	+2.8	90	19	42	9	33	4.21	+0.17	0.97	.....	12	.....	.....	.....	.....	Howard Shriver.
Deer Park.....	Garrett.....	2,457	.....	57.8	-0.4	83	21	25	9	40	5.76	+1.72	1.59	.....	8	.....	.....	.....	.....	S. P. Specht.
Phintstone.....	Allegany.....	800	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. S. Miller.
Grantville.....	Garrett.....	2,400	59	59.4	+2.4	83	20	29	9	42	3.94	+0.54	0.68	.....	19	6	14	11	.....	E. G. Kinsell.
Green Spring Furnace.....	Washington.....	500	.....	64.4	+0.7	89	20	34	9	37	4.98	+1.55	1.08	.....	16	17	8	6	.....	Prof. C. E. Carl.
Hagerstown.....	Washington.....	550	7	63.0	+1.7	89	20	34	9	35	3.30	-0.31	1.25	.....	4	18	8	8	.....	R. L. Hiberger.
Sharpsburg.....	Washington.....	450	4	61.9	-1.2	85	19	33	9	35	6.05	+2.94	0.75	.....	19	12	9	9	.....	Joseph L. Miller.
Smithsburg.....	Washington.....	750	1	62.0	+1.4	85	20	32	9	43	4.63	+1.11	1.23	.....	14	11	3	7	.....	J. G. Knauer.
Sunnyside.....	Garrett.....	2,440	6	57.8	+2.3	83	21	25	9	47	6.74	+1.82	1.26	.....	14	8	19	4	.....	Prof. O. H. Bruce.
Westernport.....	Allegany.....	1,000	4	63.8	+1.3	91	20	32	8	43	3.97	+1.25	0.93	.....	8	.....	.....	.....	.....	.....
Average.....	.....	.....	.....	62.2	+1.3	.....	.....	.....	.....	.....	4.64	+1.05	.....	17	11	12	8	.....	VAR.	
NORTHERN-CENTRAL MD.																				
Bachman's Valley.....	Carroll.....	860	5	61.0	-1.4	87	20	31	9	33	12.29	+6.72	4.04	.....	12	14	7	10	NW	J. M. Myers.
Baltimore.....	Baltimore.....	123	64	63.8	0	92	20	40	9	30	3.86	+0.08	1.38	.....	12	5	13	13	NE	U.S. Weather Bureau.
Baltimore, J. H. Hospital.....	Baltimore.....	124	4	63.0	+1.4	92	20	38	9	32	4.16	+0.20	1.20	.....	17	7	8	16	SE	W. L. Woods.
Darlington Academy.....	Harford.....	300	9	61.2	-1.0	89	20	38	9	27	4.55	-0.39	1.04	.....	14	11	11	9	SW	Prof. A. F. Galbreath.
Fallston School.....	Harford.....	450	30	60.5	-0.8	86	20	36	9	26	4.60	-1.35	0.70	.....	22	3	20	8	S	G. F. Curtiss, A. M.
Frederick.....	Frederick.....	250	26	63.8	+0.8	89	20	33	9	31	5.10	+2.38	1.13	.....	15	10	12	8	SE	McClintock Young.
Great Falls.....	Montgomery.....	150	10	69.4	+4.6	92	21	34	9	37	3.55	-0.78	1.40	.....	11	18	0	13	NE	Col. T. A. Bingham.
Kensington.....	Baltimore.....	545	23	63.6	.....	95	20	32	8	40	3.34	-0.95	1.04	.....	16	.....	.....	.....	.....	G. H. Hicks.
Mt. St. Mary's College.....	Frederick.....	720	38	62.6	+1.9	88	20	38	9	35	4.64	-0.24	1.04	.....	18	8	7	16	NW	J. A. Mitchell, Ph. D.
New Market.....	Frederick.....	550	15	64.2	+1.0	86	29	35	9	34	5.20	+0.40	1.24	.....	19	9	14	8	NW	H. H. Hopkins, M. D.
St. Charles College.....	Howard.....	500	4	61.1	-4.0	89	20	32	9	32	3.77	-0.38	1.20	.....	13	7	13	11	NW	Rev. George L. Harig.
Taneytown.....	Carroll.....	495	6	65.7	+4.2	86	1	34	9	55	5.55	+0.55	1.20	.....	17	10	13	8	SE	Prof. H. Meier.
Van Bibber.....	Harford.....	20	3	62.1	-2.3	88	20	38	8	29	5.89	+1.73	1.01	.....	23	5	16	10	NE	H. A. Wroth.
Western Maryland Coll.....	Carroll.....	720	4	66.6	+0.9	90	20	34	7	40	4.67	+0.62	1.04	.....	10	12	8	11	NE	Prof. Roland Watts.
Woodstock College.....	Baltimore.....	392	29	63.5	+1.2	88	20	34	9	37	4.46	+0.16	1.67	.....	15	.....	.....	.....	.....	T. J. A. Freeman, S. J.
Average.....	.....	.....	.....	63.5	+0.5	.....	.....	.....	.....	.....	5.04	+0.73	.....	16	9	11	11	NE	.....
SOUTHERN MARYLAND.																				
Annapolis.....	Anne Arundel.....	20	25	67.2	-3.5	89	20	40	9	26	3.28	-0.83	1.16	.....	10	11	16	4	NW	J. E. Abbott.
Charlotte Hall School.....	St. Mary's.....	167	5	64.8	-0.5	94	20	37	9	41	4.98	+1.24	1.52	.....	13	10	14	7	SE	J. F. Coad.
Cherryfields 2.....	St. Mary's.....	20	5	62.6	-1.9	92	20	38	9	23	4.49	+0.29	1.46	.....	13	9	15	7	NE	Col. J. E. Coad.
Distributing Reservoir 3.....	Dist. of Columbia.....	120	8	65.6	+0.5	87	20	44	9	23	3.35	-0.70	1.18	.....	12	.....	.....	.....	.....	Col. T. A. Bingham.
Jewell.....	Anne Arundel.....	165	11	62.5	+2.1	91	20	38	9	31	4.23	-0.52	1.20	.....	11	12	11	8	E	J. Plummer.
Laurel.....	Prince George's.....	150	4	63.2	+0.1	92	20	34	9	38	4.70	+0.62	1.55	.....	9	6	17	8	.....	Dr. T. M. Baldwin.
Md. Agricultural College.....	Prince George's.....	170	7	64.7	+2.1	92	20	35	9	38	3.38	-0.95	0.79	.....	9	.....	.....	.....	.....	Prof. J. H. Patterson.
Receiving Reservoir 3.....	Dist. of Columbia.....	160	8	65.5	+0.7	92	20	35	9	27	3.38	-1.26	1.18	.....	13	.....	.....	.....	.....	Col. T. A. Bingham.
Solomon's.....	Calvert.....	20	7	64.0	-1.1	91	20	41	9	32	4.61	+0.78	1.24	.....	14	10	3	18	SE	W. H. Marsh, M. D.
Washington.....	Dist. of Columbia.....	112	28	64.3	0	91	20	36	9	38	3.60	-0.38	0.86	.....	14	8	16	7	S	U.S. Weather Bureau.
Average.....	.....	.....	.....	64.4	-0.2	.....	.....	.....	.....	.....	4.00	-0.28	.....	12	10	13	8	SE	.....
EASTERN MARYLAND.																				
Chestertown.....	Kent.....	80	14	62.6	-0.3	88	20	37	9	29	5.78	+1.08	1.28	.....	10	9	15	7	E	Hon. M. de K. Smith.
Denton.....	Caroline.....	42	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	F. C. Ramsdell.
Easton.....	Talbot.....	35	9	62.4	-2.1	89	20	38	9	33	3.84	-0.43	0.82	.....	16	13	11	7	W	Henry Shreve.
Mardela Springs.....	Wicomico.....	25	11	62.0	-1.4	90	20	40	10	38	3.75	-0.40	1.17	.....	14	11	12	8	SE	A. E. Acworth.
Ocean City.....	.....	.....	.....	56.8	.....	84	20	40	8	27	2.41	.....	0.75	.....	9	9	6	16	NE	E. M. Scott.
Pocomoke City.....	Worcester.....	37	5	64.9	-1.7	91	20	40	9	30	3.16	-0.33	0.97	.....	9	13	12	6	S	R. M. Stevenson.
Port Deposit.....	Cecil.....	1	59	6	-2.0	83	21	36	8	30	4.82	1.00	.....	13	17	3	11	NW	J. I. France.	
Princess Anne.....	Somerset.....	20	24	62.0	-2.4	86	20	38	10	34	3.37	-0.35	0.98	.....	14	7	16	8	SW	J. R. Stewart.
Average.....	.....	.....	.....	61.5	-1.6	.....	.....	.....	.....	.....	3.88	-0.09	.....	12	11	11	9	VAR.	.....
DELAWARE.																				
Dover.....	Kent.....	40	22	61.6	-2.2	90	20	39	9	28	5.37	+0.64	1.35	.....	14	11	3	17	NE	A. A. Bateman.
Kirkwood 2.....	Newcastle.....	60	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. S. Carnagy.
Milford.....	Kent.....	20	19	62.4	+0.5	96	20	42	9	34	4.45	+0.14	1.23	.....	11	16	4	11	E	J. Y. Foulk.
Millsboro.....	Sussex.....	23	6	61.6	-2.0	92	21	38	10	31	3.83	-1.12	0.91	.....	13	9	4	18	NE	Rev. L. W. Wells.
Newark (Delaware Coll.).....	Newcastle.....	136	5	60.7	-1.7	89	20	37	9	29	5.72	-0.14	2.12	.....	16	9	11	11	VAR.	Prof. W. H. Bishop.
Seaford.....	Sussex.....	40	8	62.4	-1.2	90	20	40	9	33	4.63	-0.03	1.25	.....	14	9	0	22	E	H. L. Wallace.
Average.....	.....	.....	.....	61.7	-1.3	.....	.....	.....	.....	.....	4.80	-0.10	.....	14	11	4	16	NE	.....
General average.....	.....	.....	.....	62.7	-0.3	.....	.....	.....	.....	.....	4.47	+0.26	.....	13	10	10	11	NE	.....

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.

2 Mean of 8 a. m. + 8 p. m. + 2.
3 Mean of 7 a. m. + 2 p. m. + 2.

TOTAL PRECIPITATION, MAY, 1898.



Daily precipitation for Maryland and Delaware, May, 1898.

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.																																	
Boethelville.....	†				.10	.30	.55				.10				.35	.44						.10	.42	.62	.10		.50	.22			.07	3.87	
Cumberland.....					.09	.35	.42				.10				.35	.45						.97	.43	.38		.20	.35			.12	4.21		
Deer Park.....						.50	.92				.23				1.04	1.59							.93	.21					.34		5.76		
Flintstone.....																																	
Grantsville.....	.10				†	.60	.40					.30			.40	.62					†	†	.53		.40		.50	.09	†	†	†	3.94	
Green Spring Furnace.....					.19		.72	.94			.10	.03			.30	.58	.02				.06			.47	.30	.19		1.08				4.98	
Hagerstown.....														.35										.55	.15							2.30	
Sharpsburg.....	†				.23	.18	.81	.50			.08	.06			.46	.90					.51	.12	.19		.85	.70	.05	.28	.02		.11	6.05	
Smithsburg.....	.03						.85	.74			.03	.03			.38	1.23	.09				.15		.50	.33	.11	.04	.12				.23	4.63	
Sunnyside.....	.01			.28	.61	.06	.32				.20	.14			.92	1.26				†			.95	1.09	.11	†	.56				6.74		
Westernport.....				†		.93	.14			†				.50	.61	.52							.46	.61							3.97		
NORTHERN-CENTRAL MARYLAND.																																	
Bachman's Valley.....	.48	†			.35	.18	1.24	2.80			†	.55			1.06	2.48				1.24	†	†	.39	.12	1.40	†	†				12.29		
Baltimore.....	†	†			.34	.42	.57	.26	†		.04	.29	.01		.42	1.38	†			.03	†	†	.01	†	†	†	†				3.86		
Baltimore, Johns Hopkins Hospital.....			.01		.29	.23	1.03	.14	.15			.13	.26	.01	.04	.56	1.20				.06	.01		.01	.01	.02						4.16	
Darlington Academy.....	.08				.37	.80	.16	.15			.14	.60			.35	1.04					.03	.19		.53	.11							4.55	
Fallston School.....	.04	.04		.47	.24	.59	.32	.02		.13	.49	.02		.42	.70	.04					.04	.03		.42	.39	.12	.02	.02		.04	†	4.60	
Frederick.....					.17	.16	1.08	1.03				†	.16				1.13					.42	.08	.23	.13	.02	.12	.29			.04	5.10	
Great Falls.....	.04				.12	.10	1.40	.35	.22			†	.06			.07	.72						.08		.03	.40						3.55	
McDonogh School.....																					.02	.34	.12	.26	.21	.23	.04		.05			4.64	
Mt. St. Mary's College.....		.02			.17	.14	.47	.94				.05	.15		.38	1.04				.02	.34	.12	.26	.21	.23	.04		.01		.05		5.20	
New Market.....	.05	†			.18	.28	1.00	1.24			.03	.43			.05	.92				.35	.05	.02		.18	.10	.04	†			.08	†	3.77	
St. Charles College.....	.03				.27	.33	.63	.53	.02		.03	.34			.20	1.20					.11		†	.01	.20	.15	†				.07	5.55	
Taneytown.....	.06				.22	.17	.73	.68			.01	.23			.11	1.05	.82				.02	.13	.03		.19	.20	.15	†			.03	†	5.89
Van Bibber.....	†	.04	.02	.20	.38	1.01	.30	.05		.02	.09	.80	.02	.11	.67	.73				.08	.24	.04	.48	.36	.01	.21	.01	.02	†	†		4.67	
Western Maryland College.....	.19				.34		1.47				.19				.57	1.04					.74	.09		.04								4.67	
Woodstock College.....	.04		.36		.95	.35	.30			.30	.22			.01	1.67					.16	.01	.01	.02	.04						.02		4.46	
SOUTHERN MARYLAND.																																	
Annapolis.....		†	†		.07	.54	.49	.15	†		†	.31	.04		.47	1.16				†	†		†	.03	†	.02	†		†	†		3.28	
Charlotte Hall School.....					.20	1.52	.34	.37			.04	.30			.20	.30							.26	.48	.33	.03					.61	4.96	
Cherryfields.....					.86	1.46	.63	.15			.04	.59	†		.14	.18						.05		.18	.17		†				.04	4.49	
Distributing Reservoir, D. C.....					.15	.07	1.18	.47	.13			.02	.11		.20	.79								.03	.05					.15		3.35	
Jewell.....		†						2.24			.10	.41			.30	.40							.15	†	.30	†	†		†	.33		4.23	
Laurel.....							1.40	.42	.10		.20	.55			.15	1.55					†	.30		.03								4.70	
Maryland Agricultural College.....		†			.22	.79	.43	.65			.20	.20			.33	.56					†	.04	†	†		.16	†					3.38	
Receiving Reservoir, D. C.....					.17	.09	1.18	.33	.22			.03	.15		.21	.51						.11				.27	.04				.07	3.38	
Solomon's.....	†				.88	.86	.56	.68			.06	.64			.23	.44							†	.02	.06	.01	.03			.13	.01	4.61	
Washington, D. C.....	†		†		.22	.84	.41	.62	†		.03	.07	.05		.16	.86					†	.03		†	.05	.11	†	†		.02	.13	3.60	
EASTERN MARYLAND.																																	
Chestertown.....	†				1.53	.31	.13		†		.96			.57	1.28					†	.10						.80	†		.10	†	5.78	
Denton.....																																	
Easton.....							1.69			.05		.82			.70	.39					†			.10		.09							3.84
Mardela Springs.....					.37	1.17	.27	.04		.03	.48	.04			.10	.22							.04		.66	.02		.02	.29				3.75
Ocean City.....					.28	1.10	.70	.03				.30			†								†	.75	.05	.15						.05	2.40
Pocomoke City.....					.77		.97		.07			.59				.34									.42						†		3.16
Port Deposit.....		.20	.25				1.00			.20	.57				.70	.50				.40			.30	.20						.20			4.82
Princess Anne.....					.64	.53	.12	.11			.28	.12			.05	.15							.08	.98	.18	.08	.01				.04		3.37
DELAWARE.																																	
Dover.....	.02						1.00			.01	1.35	.24			.74		1.07							.60	.04	.30						5.37	
Milford.....					.23	.68	.16	.06			.07	1.20			.29	1.23							.25	.18		.13						4.45	
Millsboro.....					.20	.12	.30	.12			.11	.80	.01		.55	.60	.05							.04	.08	.92	1.20		.03	.04	.01	.21	3.83
Newark (Delaware College).....		.20					1.43				.07	1.25			.12	.09	.67				.05	.34										5.72	
Seaford.....																									.13						.75		4.63

† Trace, when precipitation is less than 0.01 inch.