

U. S. DEPARTMENT OF AGRICULTURE.

REPORT FOR FEBRUARY, 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,

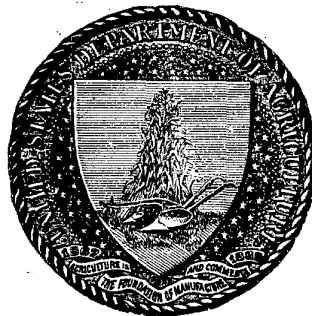
CHIEF OF BUREAU.

BY

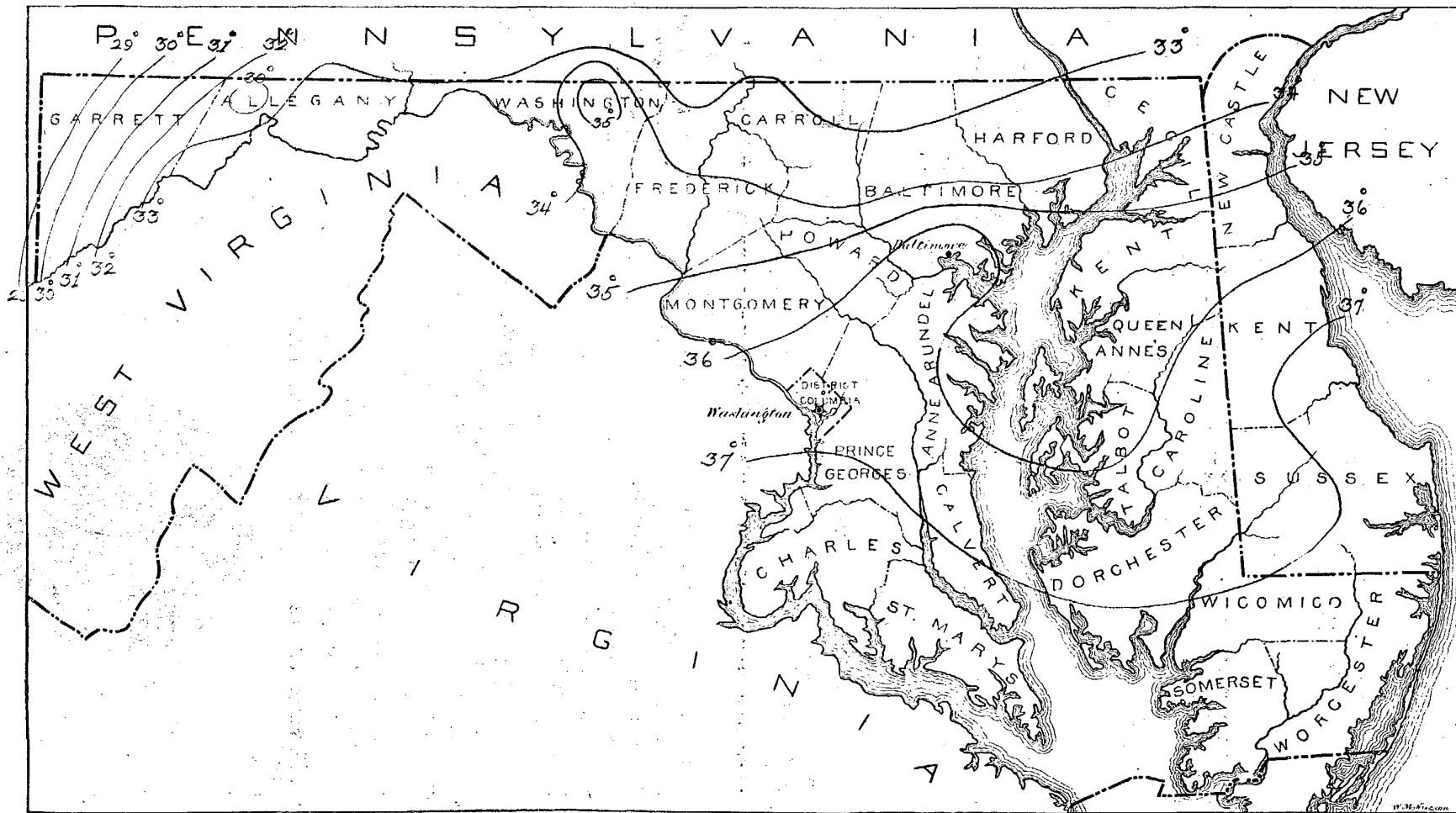
GEORGE E. HUNT,

LOCAL FORECAST OFFICIAL AND SECTION DIRECTOR,

JOHNS HOPKINS UNIVERSITY, BALTIMORE, MD.



MONTHLY MEAN ISOTHERMS, FEBRUARY, 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.

GEORGE E. HUNT, Section Director,
 BALTIMORE, MD.

VOL. II.

BALTIMORE, MD.

NO. 2.

POSSIBILITIES IN COTTON.

The February number of the "Southern States Magazine," published at Baltimore, contains two conspicuously able and noteworthy articles from the authoritative pen of Dr. Charles W. Dabney, jr., Assistant Secretary of Agriculture. They deal with practical questions, the utilization of cottonseed and the prospects and possibilities of the crop for the next twenty-five years. The extent to which the seed might be used is manifest in the statement, based upon scientific calculations, that, properly handled, the seed of the crop of 1896 ought to yield in round numbers \$100,000,000, instead of \$53,000,000, which may be expected. At present the seed are used as feed, fertilizer, and fuel, in addition to oil producers, and a secondary product of feed and fuel is a fertilizer. There may not be at present a sufficient number of mills and of cattle to turn all the seed into cash, but there should be an impetus to greater efforts in that direction in a consideration of the potential value of the cottonseed crop. This is reckoned at \$94,239,392 after deducting 10 per cent. for loss and seeding. The total is derived from \$41,750,000 in oil, \$3,100,000 in linters, \$36,056,765 in hulls and meal made into live weight of cattle, and \$13,332,627 in manurial value of hulls. An increase of \$40,000,000 and more in the total value of the cotton crop without increasing the size of that crop is a possibility worth considering by the farmer. Its importance during the next twenty-five years will become greater and greater as the demand for cotton naturally expands. This will amount to 20,000,000 bales by 1920, Dr. Dabney reckons. And he shows that the South ought to be able to produce it if the force of laborers is developed proportionally. Of the 550,000 square miles in the cotton regions, but 50 per cent. is in farms, but 20 per cent. is improved, and only 5 per cent. in cotton. There is room, therefore, for expansion to meet the demand without trenching upon the land that ought to make each planter practically independent of his cotton for a living, and without reference to the economy arising from a steady advance in the improvements in methods of cultivation. In the last 100 years the total production of cotton was worth \$15,000,000,000, exceeded only by that of corn. Its value in the next century will reach figures that hardly may be realized. These two articles are

comprehensive in treatment, and form a storehouse of information of practical value to the Southern agriculturist and the student of Southern conditions. The facts are startling, the suggestions novel, and their publication will attract wide attention. Supplementary to Dr. Dabney's articles, and appealing with the logic of accurate figures to the Western farmers casting about for a competency, is the article on "Cotton-Growing vs. Wheat-Growing." In it are compared the costs of raising an acre of wheat and one of cotton, and the results of the sales of the products in 1894, a minimum year for both wheat and cotton. The conclusions derived from official reports of the Department of Agriculture are most suggestive. The average loss per acre on wheat was \$5.53, and in Kansas, where it was grown cheaper than any other place in the country, \$2.88. On the other hand, the average profit per acre in cotton in the worst years we have had was \$2.48, and in 1895 it was \$5.23. This particular advantage, when considered in connection with the cheaper land, the cheaper labor, and the more genial climate, ought to leave no doubt in the Westerner's mind about the place where his profit lieth.

* * *

CLIMATOLOGY OF THE MONTH.

The temperature record in Maryland and Delaware Section for February, 1897, was two degrees above normal figures, thereby restoring the deficiency for the preceding month and giving just about the normal degree of heat for the year, to date. The transitions from hot to cold, and the converse, were gradual, and not at all severe at any time. The warmest period was the 17th to 21st, while the 1st, and from the 26th to 28th, were the dates on which the lowest temperatures were generally recorded.

The average precipitation for the month was over two inches in excess of the usual fall recorded for February, and more than made up for the January shortage. The 4th was the only date on which no precipitation was reported within the sectional limits, although the amounts were generally very light on the 1st, 9th to 11th, 13th to 19th, 25th, and 28th. Heavy falls occurred on the 2d, 6th, and 21st to 23d; some local damage was caused by washouts on the 6th and 23d, and high water stages were reported in all streams on the latter date.

The average depth of snowfall for the month, in Delaware and Eastern Maryland, was between two and three inches, while at stations in the extreme western districts the total of the monthly measurements ranged from ten to thirty-one inches, the last named depth being reported from Grantsville, where the voluntary observer states that sledding was good during the greater portion of the month.

Hail fell in various portions of the Section on the 2d, 5th, 6th, 7th, 11th, and 12th, and sleet on the 2d, 3d, 5th, 11th, 12th, and 20th.

Light local thunderstorms were reported at a few stations on the 15th and 21st, and thunderstorms were general over the entire Section on the 22d.

ATMOSPHERIC PRESSURE—IN INCHES AND HUNDREDTHS.

Monthly mean at Washington, D. C., 30.10; at Baltimore, 30.11; average, 30.10; highest, 30.69 at Washington on the 28th; lowest, 29.55 at Washington on the 2d.

TEMPERATURE—IN DEGREES FAHRENHEIT.

The monthly mean (entire territory), 34° 8, was 2° 0 above the normal.

The highest monthly mean was 37° 5, at Cumberland (1).

The lowest monthly mean was 29° 0, at Grantsville.

The highest temperature recorded during the month was 63°, at Charlotte Hall and Washington, on the 17th.

The lowest temperature recorded during the month was 0°, at Flintstone, on the 1st.

The greatest local monthly range was 58°, at Flintstone.

The least local monthly range was 34°, at St. Charles College.

The greatest daily range was 46°, at Bachman's Valley, on the 5th.

The least daily range was 0°, at Sunnyside, on the 23d.

PRECIPITATION—IN INCHES AND HUNDREDTHS.

The monthly average (entire territory) 5.43, was 2.32 above the normal.

The greatest amount was 9.17, at Sunnyside.

The least amount was 3.53, at Mt. St. Mary's College.

The greatest amount in twenty-four hours was 2.70, at Cumberland; on the 22d-23d.

The average number of rainy days, 10.

WIND.

The prevailing direction was from the northwest.

The total movement was 3,840 miles, at Baltimore, and 5,002 miles, at Washington, D. C.

The maximum wind velocity was 36 miles per hour from the north, at Washington, D. C., on the 3d.

MISCELLANEOUS PHENOMENA.

Thunderstorms.—At Grantsville, on the 22d; at Sharpsburg, on the 22d; at Sunnyside, on the 15th and 21st; at Bachman's Valley, on the 22d; at Baltimore, on 22d; at Fallston, on the 22d; at Frederick, on the 22d; at New Market, on the 22d; at St. Charles College, on the 22d; at Taneytown, on the 21st; at Van Bibber, on the 22d; at Western Maryland College, on the 22d; at Woodstock College, on the 22d; at Charlotte Hall, on the 22d; at Cherryfields, on the 15th and 22d; at Jewell, on the 22d; at Laurel, on the 22d; at Maryland Agricultural College, on the 22d; at Solomon's, on the 22d; at Mardela Springs, on the 21st and 22d; at Princess Anne, on the 22d; at Milford, on the 22d; at Newark, on the 22d; at Seaford, on the 22d.

Hail.—At Grantsville, on the 7th and 13th; at Bachman's Valley, on the 2d and 5th; at Johns Hopkins Hospital, on the 12th; at Mt. St. Mary's College, on 12th; at New Market, on the 2d; at St. Charles College, on the 12th; at Taneytown, on the 2d and 5th; at Woodstock College, on the 2d, 6th, and 12th; at Annapolis, on the 2d; at Chestertown, on the 2d and 11th.

Sleet.—At Green Spring Furnace, on the 2d and 5th; at Sharpsburg, on the 2d, 12th, and 20th; at Sunnyside, on the 12th; at Baltimore, on the 5th, 6th, and 12th; at Mt. St. Mary's College, on the 12th and 20th; at St. Charles College, on the 12th; at Taneytown, on the 2d; at Western Maryland College, on the 2d and 20th; at Woodstock College, on the 2d and 12th; at Annapolis, on the 2d, 3d, 12th, and 20th; at Charlotte Hall, on the 12th; at Jewell, on the 12th; at Laurel, on the 12th; at Chestertown, on the 2d and 11th.

Frosts, light.—At Woodstock College, on the 10th, 11th, 13th, 17th, 19th, and 25th; at Cherryfields, on the 8th and 17th; at Princess Anne, on the 15th, 24th, and 26th.

Frosts, heavy.—At Mt. St. Mary's College, on the 1st; at Cherryfields, on the 10th and 14th.

Frosts, killing.—At Sharpsburg, on the 1st, and 10th; at Woodstock College, on the 1st, 4th, 5th, 27th, and 28th; at Mardela Springs, on the 1st, 5th, 7th, 10th, 13th, 14th, and 26th; at Princess Anne, on the 8th, 9th, 10th, 14th, 17th, and 20th.

Fogs.—At Bachman's Valley, on the 6th and 14th; at Baltimore, on the 6th; at Cherryfields, on the 14th and 15th; at Jewell, on the 6th, 8th, and 14th.

Halos, solar.—At Green Spring Furnace, on the 5th, at 11 a. m., and on the 15th, in the afternoon.

* * *

REMARKS BY OBSERVERS.

Cumberland, Mr. Howard Shriver.—Heavy rains on the 22d and 23d; canal bank immediately below the canal dam badly eaten away by the whirl of water, which at one time menaced the lower part of the city. Railroad badly damaged east and west of here, trains being unable to pass the submerged tracks.

Grantsville, Mr. J. S. Miller.—Good sledding greater part of the month. Grain well protected.

Green Spring Furnace, Prof. E. G. Kinsell.—Potomac rose rapidly on the 23d, and was out of banks on the 23d.

New Market, Dr. H. H. Hopkins.—Purple Grackle, or crow blackbird—*quiscalus*—appeared on the 20th.

Van Bibber, Mr. H. A. Wroth.—Thunderstorm on the 22d, first of the season; did not last long, but was severe.

Cherryfields, Col. J. Edwin Coad.—Strong northeast wind on the 2d; high tides on the 2d, 4th, and 5th; stormy on the 6th.

Laurel, Dr. T. M. Baldwin.—Strong winds on the 2d and 6th.

* * *

LECTURE BY PROF. WILLIS L. MOORE.

The last of the recent series of lectures on scientific subjects at the Peabody Institute, was one on Weather Forecasting, by Prof. Willis L. Moore, Chief of the United States Weather Bureau. His address was illustrated with stereopticon views of noted storms, hurricanes, tornadoes, and the various meteorological appliances used by the Service in taking observations, recording data, etc. It was a matter of pride to the representative of the Service here and his assistants that the lecture was not only one of the most interesting, but by far the best attended of the course.

Climatological data for Maryland and Delaware, February, 1897.

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* 2	Allegany	900	7	29.8	-0.5	40	18	4	1	.....	4.50	+1.47	2.30	13.0	7	.....	.....	F. F. Brown.		
do	do	650	38	37.5	.....	61	21	13	1	30	5.81	+2.95	2.70	15.0	9	.....	.....	Shriver & Rizer.		
Cumberland No. 1	do	650	27	33.8	+1.0	56	21	7	1	28	5.82	+3.16	1.80	.....	6	6	8	14	Webster Bruce.	
Deer Park	Garrett	2,457	6	.....	.....	.....	.....	3	27	.....	4.20	.....	1.63	4.0	7	7	.....	.....	S. P. Specht.	
Flintstone	Allegany	.....	2	33.1	.....	58	17	0	1	38	5.63	.....	1.88	6.5	5	8	15	.....	N. T. Downs.	
Grantsville	Garrett	2,100	4	29.0	.....	57	21	3	27	34	7.53	.....	1.60	31.0	12	3	7	18	s.	J. S. Miller.
Green Spring Furnace	Washington	500	.....	33.2	+2.6	53	21	4	1	28	4.78	.....	1.30	9.6	10	8	10	e.	E. G. Kinsell.	
Hagerstown	do	550	6	35.6	.....	55	22	13	27	24	6.17	.....	1.50	9.5	8	8	16	.....	Prof. C. E. Carl.	
Sharpsburg	do	420	3	33.7	.....	54	17	9	1	27	5.17	.....	1.42	4.4	9	14	4	10	.....	R. L. Hiberger.
Sunnyside	Garrett	2,440	5	29.4	+7.4	59	21	4	27	36	9.17	+5.27	1.93	23.5	17	6	0	22	sw.	J. G. Knauer.
Westernport	Allegany	1,000	3	33.0	.....	60	17	9	1	35	4.86	.....	1.63	9.2	9	.....	.....	.....	Prof. O. H. Bruce.	
Average	.....	.....	.....	32.8	+2.6	.....	.....	.....	.....	.....	5.79	+3.21	.....	12.6	9	8	5	15	s.	.....
NORTHERN-CENTRAL MD.																				
Bachman's Valley	Carroll	.....	4	31.8	.....	53	5	2	27	46	7.18	.....	2.60	15.2	9	12	4	12	nw.	J. M. Myers.
Baltimore	Baltimore	123	63	35.8	-0.2	56	17	18	11	22	5.13	+1.63	1.70	0.7	13	7	5	16	w.	U.S. Weather Bureau.
Darlington Academy	Harford	300	8	33.4	+5.4	53	18	11	1	25	4.20	+1.48	1.28	3.5	7	11	6	11	nw.	Prof. A. F. Galbreath.
Fallston School* 1	do	450	29	33.6	+1.3	51	21	17	5	.....	5.64	+2.04	1.80	7.0	11	4	15	9	n.	G. G. Curtis, A. M.
Frederick	Frederick	250	25	34.3	+1.6	51	18	9	27	31	4.77	+1.99	2.00	9.2	7	7	11	10	.....	McClintock Young.
Great Falls* 3	Montgomery	150	9	36.0	+3.3	55	17	17	1	.....	5.71	+3.37	1.50	.....	11	.....	.....	.....	Capt. D. D. Gaillard.	
Johns Hopkins Hospital	do	124	3	35.2	.....	56	17	15	5	28	5.38	.....	1.20	.....	13	9	2	17	n.	W. L. Woods.
McDonogh School	Baltimore	545	22	33.7	+0.3	51	17	15	5	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. A. Mitchell, Ph. D.
Mt. St. Mary's College	Frederick	720	37	32.9	.....	52	18	13	28	25	3.33	+0.47	1.09	5.5	11	.....	.....	.....	.....	H. H. Hopkins, M. D.
New Market	do	550	14	34.2	+1.5	54	17	10	1	29	5.99	+3.67	1.76	8.8	9	7	7	14	nw.	H. H. Hopkins, M. D.
St. Charles College	Howard	300	3	35.8	.....	54	14	20	1	26	5.84	.....	1.94	7.0	7	13	7	10	nw.	H. M. Chapuis, S. S.
Paneytown	Carroll	.....	.....	33.3	.....	55	21	7	27	32	4.47	.....	1.30	13.7	8	8	5	15	nw.	Prof. H. Meier.
Van Bibber	Harford	.....	2	33.3	.....	55	18	16	27	21	5.57	.....	1.40	.....	9	9	7	12	sw.	H. A. Wroth.
Western Maryland Coll.	Carroll	.....	3	34.4	.....	57	21	15	26	25	5.16	.....	1.76	9.5	7	12	7	9	.....	Prof. Roland Watts.
Woodstock College	Baltimore	392	28	34.4	+1.6	61	17	5	1	38	5.51	+2.19	1.20	1.2	11	11	6	11	nw.	T. J. A. Freeman, S. J.
Average	.....	.....	.....	34.2	+1.8	.....	.....	.....	.....	.....	5.29	+2.10	.....	7.4	10	9	7	12	nw.	.....
SOUTHERN MARYLAND.																				
Annapolis	Anne Arundel	20	24	39.4	.....	59	7	24	1	23	4.68	+1.19	1.15	7.0	10	12	3	13	nw.	J. E. Abbott.
Charlotte Hall School	St. Mary's	167	4	37.4	.....	63	17	16	1	32	5.03	.....	1.60	7.0	9	12	6	7	ne.	J. F. Coad.
Cherryfields* 2	do	20	4	36.4	.....	50	18	24	27	.....	5.59	.....	1.65	3.0	13	7	14	7	ne.	Col. J. E. Coad.
Distributing Reservoir* 3	Dist. of Columbia	120	7	37.0	+4.0	55	17	18	1	.....	5.84	+3.41	1.50	.....	12	.....	.....	.....	.....	Captain Gaillard.
Jewell	Anne Arundel	165	-10	36.2	+1.0	61	17	12	1	31	5.25	+1.98	1.73	2.0	-8	10	-6	-12	nw.	J. Plummer.
Laurel	Prince George's	.....	3	36.2	.....	58	17	14	28	31	5.51	.....	1.50	5.5	8	10	8	10	.....	Dr. T. M. Baldwin.
Md. Agricultural College	do	170	6	34.2	+0.1	60	17	10	1	34	6.11	+2.35	1.65	1.0	9	.....	.....	.....	.....	Prof. J. H. Patterson.
Receiving Reservoir* 3	Dist. of Columbia	160	7	36.3	+4.1	53	17	17	1	.....	5.89	+3.63	1.38	.....	12	.....	.....	.....	.....	Captain Gaillard.
Solomon's	Calvert	20	6	37.4	+1.2	59	17	19	1	28	5.51	+2.04	1.93	6.0	14	-7	3	18	nw.	W. H. Marsh, M. D.
Washington	Dist. of Columbia	112	27	36.4	+0.3	63	17	12	1	32	6.47	+3.10	2.11	.....	14	9	2	17	n.	U.S. Weather Bureau.
Average	.....	.....	.....	36.7	+1.8	.....	.....	.....	.....	.....	5.59	+2.53	.....	4.5	11	10	6	12	nw.	.....
EASTERN MARYLAND.																				
Chestertown	Kent	80	13	35.6	+3.5	56	19	11	27	26	4.22	+2.41	0.82	4.5	11	11	9	8	n.	Hon. M. de K. Smith.
Denton	Caroline	42	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	F. C. Ramsdell.
Easton	Talbot	35	8	35.4	+0.9	56	18	15	1	33	5.47	+2.24	1.92	4.0	9	11	6	11	n.	Henry Shreve.
Mardela Springs	Wicomico	25	10	36.8	+0.6	57	17	13	1	31	5.14	+1.31	1.69	4.2	12	7	13	8	nw.	A. E. Acworth.
Pocomoke City	Worcester	37	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. M. Stevenson.
Princess Anne	Somerset	20	23	37.2	-1.8	62	18	16	1	33	4.72	.....	1.10	2.5	12	9	6	13	nw.	J. R. Stewart.
Average	.....	.....	.....	36.2	+1.0	.....	.....	.....	.....	.....	4.89	+1.99	.....	3.8	11	10	8	10	nw.	.....
DELAWARE.																				
Dover	Kent	40	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. S. Jester.
Kirkwood* 1	Newcastle	.....	1	.....	.....	50	14	16	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	William Carnagy.
Milford	Kent	18	.....	37.2	+3.0	58	14	11	1	33	5.56	+1.15	2.12	0.8	9	18	1	9	nw.	J. Y. Foulk.
Millsboro	Sussex	5	.....	37.0	+4.9	59	19	13	1	28	5.82	+2.05	1.78	4.0	12	12	5	11	n.	Rev. L. W. Wells.
Newark (Delaware Coll.)	Newcastle	4	.....	33.2	.....	51	18	10	1	28	4.30	.....	1.54	3.5	9	7	11	10	nw.	Prof. W. H. Bishop.
Seaford	Sussex	.....	7	36.6	+3.0	57	18	14	1	28	4.79	+1.51	1.59	2.5	10	.....	.....	.....	.....	H. L. Wallace.
Average	.....	.....	.....	36.0	+3.6	.....	.....	.....	.....	.....	5.12	+1.57	.....	2.7	10	12	6	10	nw.	.....
General average	.....	.....	.....	34.8	+2.0	.....	.....	.....	.....	.....	5.43	+2.32	.....	7.3	10	9	7	12	nw.	.....

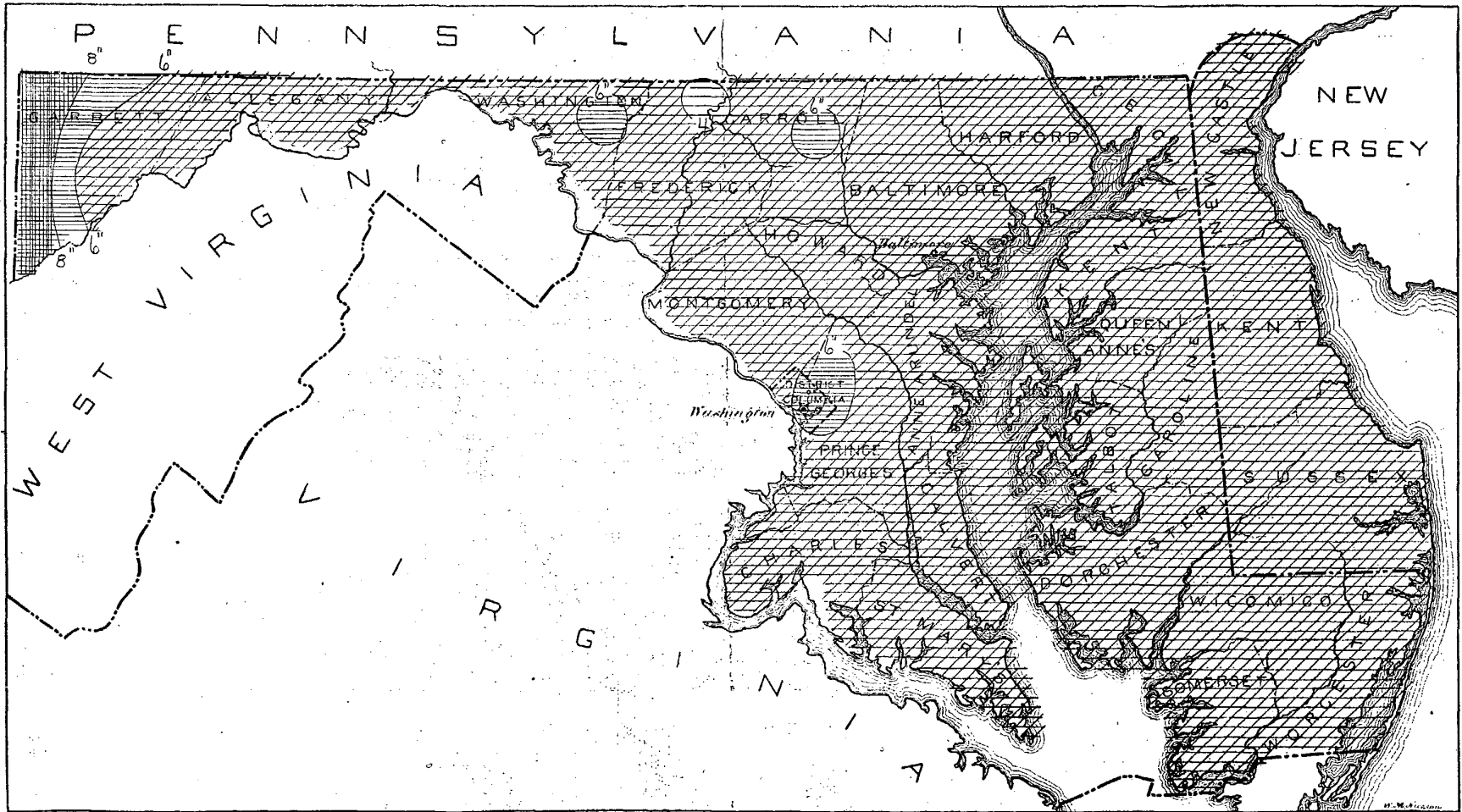
* Extremes of temperature from observed readings of dry thermometer.

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

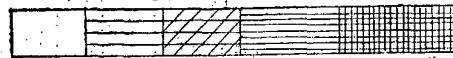
2 Mean of 8 a. m. + 8 p. m. + 2.

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

TOTAL PRECIPITATION, FEBRUARY, 1897.



Scale of Shades



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

Daily precipitation for Maryland and Delaware, February, 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.....	.70					.80		.10				.40			.10					.10		2.30	†											4.50		
Cumberland (1).....	.62			1.13	.03		†			1.10							.02					10.2.05	.71			.05								5.81		
Cumberland (2).....						2.00					.90				†					.20	1.80	.72												5.82		
Deer Park.....						.40	.20								†					.10	.88	1.63	.79			.20								4.20		
Flintstone.....	.70				1.10	.25					.90										.70	1.88	1.88	.70										5.63		
Grantsville.....		.80			.40	1.10	.40				1.00										.70	.05	1.60	1.00	.08		.30							7.53		
Green Spring Furnace.....		1.00				.92	.22				.69										.30		1.30	.25			.10							4.78		
Hagerstown.....		1.50		.30	.95							.40										.75	1.50	.52			.25							6.17		
Sharpsburg.....		1.05			1.33	.09	.17				.56										.35		.86	.70			.06							5.17		
Sunnyside.....		.42	.68		.10	.50	.38	.57	.01		1.20					.58					.23													9.17		
Westernport.....		.60				.80		.20			†	.40									.43		1.63	.70			.05							4.86		
NORTHERN-CENTRAL MARYLAND.																																				
Bachman's Valley.....	1.50	.20			1.98		.07			.30				.08						†	.15	†	†	2.60			.30							7.18		
Baltimore.....	1.40	.32			†	.56	.03	.14	†		.53					.01		.01			.16	.51	.71	.73			.02							5.13		
Darlington Academy.....	1.62					.64					.67					.09					.45		1.28				.05								4.20	
Fallsion School.....	1.80					.85		.14			.67					.01					†	†					.04								5.64	
Frederick.....	2.00					.88		.15			.65											.43	.84					.12							4.77	
Great Falls.....	.40	1.50				.10	.85		.04		.35	.07										.45	.85	1.00				.10							5.71	
Johns Hopkins Hospital.....	.59	1.20				.16	.40		.15		.10	.47				.01						.46	.87	.95											5.38	
McDonogh School.....																																				
Mt. St. Mary's College.....	.20	.15				.50	.02	.15			.66				†						.21	.23	1.09	.15			.17								3.53	
New Market.....	1.68					.90		.18			†	.72			†						.60		1.76				.15								5.99	
St. Charles College.....	1.94					.97		.20			.59										.51		1.58				.05								5.94	
Taneytown.....	1.16					.25	.35	.09			.73				†								.33	1.30	†		.26								4.47	
Van Bibber.....	.28	1.40				.40		.49			.79											.50	.51	1.03			.17								5.57	
Western Maryland College.....	1.76					.85		.18			.30											.43		1.34			.30								5.16	
Woodstock College.....	.50	1.20			.15	.70	†	.12		†	.20	.60										.50	.75	.70			.09								5.51	
SOUTHERN MARYLAND.																																				
Annapolis.....	†	1.15	.25			.68		.09	†		.07	.48			†							.10	.62	.89			.35								4.68	
Charlotte Hall School.....		1.50	.45			.30				†	.70						.68		.10			.20	†	1.60			.10									5.03
Cherryfields.....	.20	1.65	.10			.21	†				.33						.22		.31			.46	.50	.67	.80		.04	.10							5.89	
Distributing Reservoir, D.C.....		.80	1.50			.10	.40		.09			.50	.16										.40	1.02	.80				.05							5.84
Jewell.....			1.65			†	.30		.15		†	.70										.50		1.73												5.25
Laurel.....		.60	.94			.68		.10			.82												1.50	.92			.10									5.51
Maryland Agricultural College.....		1.60	.50			.77		.20			.82											.20	1.66	.53			.05								6.11	
Receiving Reservoir, D.C.....		.59	.38			.10	.50		.13		.45	.17										.07	.64	1.03	.80										5.89	
Solomon.....	†	1.93	.20		.01	.21		.03			†	.44					.12		.15			.20	.32	.78	.92		.01	.19							5.51	
Washington, D.C.....	2.11	.32			.01	.59	†	.10			.02	.85										.04	.68	.30	.27	1.20	.53	†							6.47	
EASTERN MARYLAND.																																				
Chestertown.....	.45	.67			.20	.10		.15			.41	.21										.30	.81	.82			.10								4.22	
Denton.....																																				
Easton.....			1.40			.33		.16			.77					.18		.20			.33		1.92				.18									5.47
Mardela Springs.....			1.50			.45					.66					.31		.31			.09				.58	1.11	.67		.06							5.14
Pocomoke City.....																																				
Princess Anne.....	†	1.06	.23			.24		†		†	.48					.33		.16	.12	.12			1.10	.69		.11		.08								4.72
DELAWARE.																																				
Dover.....																																				
Kirkwood.....																																				
Millford.....			2.12			.40		.06									.68		.44				.64	.78	.98			.06								5.56
Millsboro.....		1.78	.87			.45					.62					.17		.18		.10		.18	.77	.52			.05		.13							5.82
Newark (Delaware College).....						.60		.09			.50					.07						.44	.32	1.54												4.30
Seaford.....			1.30			.40		.04			.72						.12		.15				.22	.159			.06	.13	.06							4.79

† Trace, when precipitation is less than 0.01 inch.