

U. S. DEPARTMENT OF AGRICULTURE.

---

REPORT FOR FEBRUARY, 1901.

---

MARYLAND AND DELAWARE SECTION

OF THE

CLIMATE AND CROP SERVICE

OF THE

WEATHER BUREAU.

IN COOPERATION WITH THE

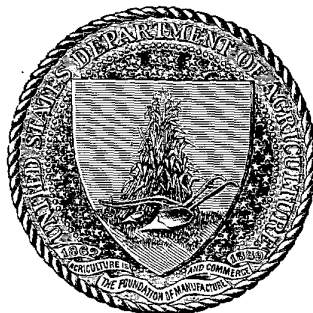
MARYLAND STATE WEATHER SERVICE.

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

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

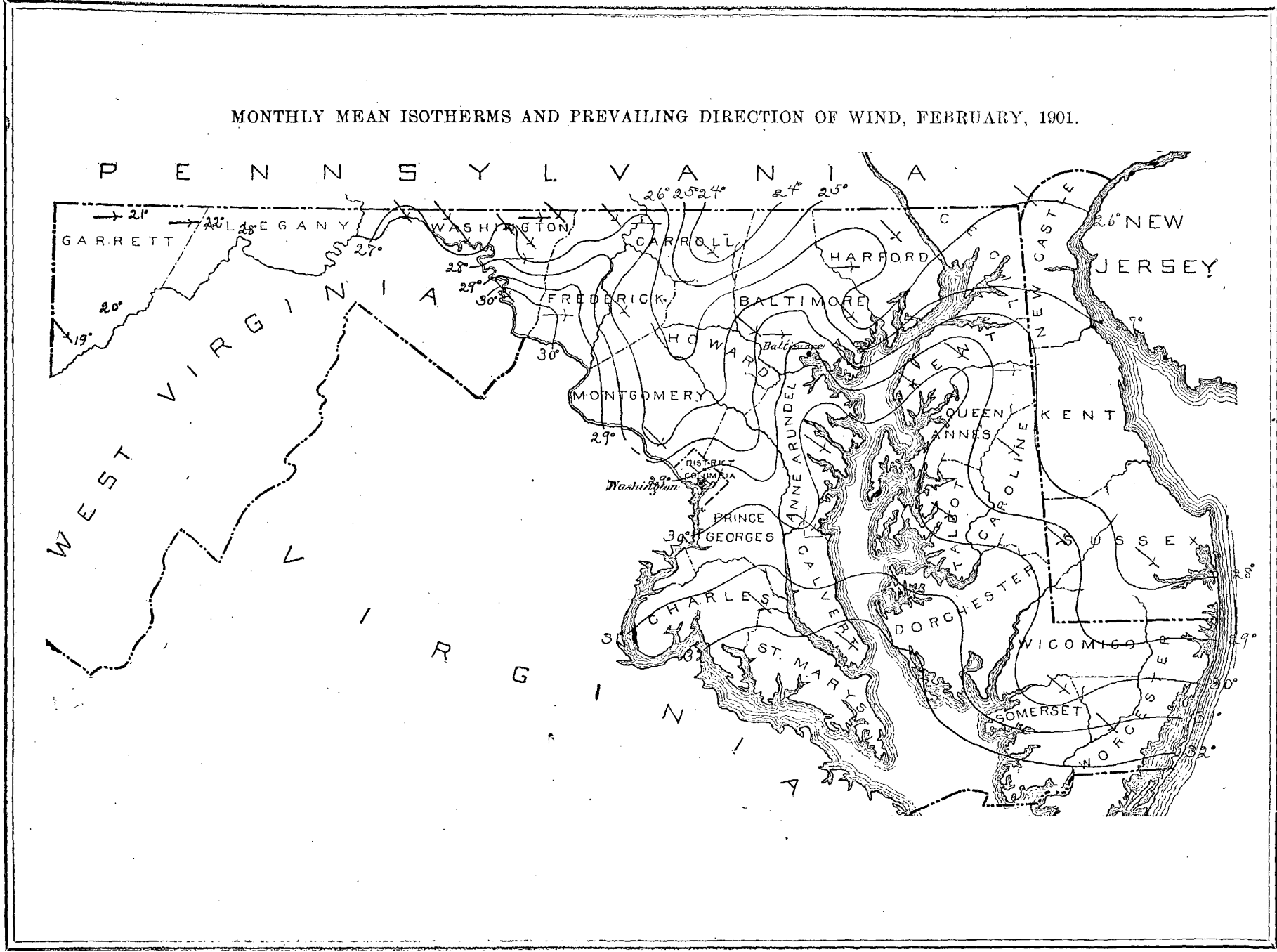
BY

OLIVER L. FASSIG,  
SECTION DIRECTOR.



BALTIMORE, MD.:  
WEATHER BUREAU OFFICE.  
JOHNS HOPKINS UNIVERSITY.  
1901.

MONTHLY MEAN ISOTHERMS AND PREVAILING DIRECTION OF WIND, FEBRUARY, 1901.



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. VI.

BALTIMORE, MD.

No. 2.

Howard Shriver. It is with sorrow and regret that we record the death of our faithful and esteemed voluntary observer at Cumberland, Maryland. Mr. Shriver died from the effects of pneumonia, after a brief illness, on the 15th of February, in the 77th year of an active life.

His connection with the Maryland Weather Service dates from the time of its establishment in 1891, but his interest in weather observations began at a much earlier period. In a letter recently received by the writer, Mr. Shriver states that he began his observations while living in Virginia in 1866. Since 1889 his monthly reports have been received without interruption at the Central Office of the U. S. Weather Bureau in Washington. His instrumental equipment was remarkably complete for the station of a voluntary observer, consisting of maximum and minimum thermometers, psychrometer, mercurial barometer, rain gauge, and two or three of Draper's self-recording thermometers. All of these instruments were his personal property. From 1889 to 1896 observations were made at 7 a. m., 2 p. m., and 9 p. m. In 1896 the thrice daily period was abandoned and observations were made at 8 a. m. and 8 p. m. in accordance with the change introduced into the system of the U. S. Weather Bureau.

There was no suggestion of perfunctory duty in the reports made by Mr. Shriver. His frequent special letters and remarks upon the occurrence of any unusual phenomena, such as droughts, cold waves, peculiar cloud forms, indicate a genuine love of the work. His love of natural science study, his genial enthusiasm, and the evident pleasure he experienced in imparting the results of his study to others, gathered about him a host of friends who will keenly feel the loss of his presence among them. He was especially beloved by the young people of Cumberland to whom he was always kind and obliging. In the Cumberland press he is referred to as being "known to every school boy and girl in the city; he was welcomed in every school. Going along the street it was common to see a dozen children clinging to his hands and coat. A sunshine always filled his whole being. . . . At the exercises in his memory held in the Academy of Music on February 24th there was the same outpouring of children as at his funeral, which was attended by over one thousand."

Mr. Shriver was particularly interested in the study of the climate and flora of Cumberland and vicinity. His systematic observations of the weather since 1889 form a valuable supplement to the long and excellent record of climatic ele-

ments made by his elder brother, Edwin Thomas Shriver, whose death occurred in 1896. The combined record of the two brothers, extending from January, 1859, to January, 1891, a period of 42 years without interruption, gives to Cumberland the distinction of having the longest continuous record of the weather made within the State of Maryland at any one place, and one of the longest to which any State in the country can lay claim. A summary of the principal results of these observations has from time to time been printed by Mr. Howard Shriver for private distribution. They form the basis of the discussion of the climate of Allegany County, published in the report on the Geology of Allegany County which was recently issued by the Director of the Maryland Geological Survey. A reprint of the article appears in the November and December issues of Maryland Climate and Crops for 1900.

Mr. Shriver was born November 8th, 1824, at Sandy Mount, near Baltimore, Md. He lived for some time in Virginia and in Kentucky, although most of his life was spent in Cumberland, of which his father, Thomas Shriver, was formerly mayor.

\* \*

**A Letter From Egypt.** In Egypt where, except along the immediate sea coast, the Weather Bureau Office would fly the white flag 365 days in the year and on the remaining one-fourth day the local shower flag, a weather bulletin seems like a superfluity. However the earliest weather reports and instruments ever used are still found in Egypt.

Five thousand years ago, just as now, what the Egyptian farmer wanted to know was not when the water was coming down from Heaven, but when it was coming down from Assouan, or as they would put it, when Isis dropped a tear into the Nile. For all their crops depend on irrigation afforded by the rise of the Nile. In most all of the temples, especially in those above Cairo, the nilometer, or Nile river gauge, was an important adjunct. Its usual form, as still seen, is a well connected by some subterranean passage with the Nile. Leading to the bottom of the well is a long stone stairway on the walls of which are marked the scale dimensions for reading the actual height of the water. In some of these nilometers the maximum and minimum heights for the year can be deciphered, though over three thousand years old. Probably the same method of publishing the daily nilometer bulletins was in vogue then as now—at critical times the office boy was sent to yell the record through the streets.

Within eighteen months English engineers expect to have finished a great dam in the Nile at Assouan (first cataract) which will pond up the excess flood water in a lake 180 miles long, and so evenly distribute the water to the lower valley throughout the year that the need of a nilometer bulletin for the general public will cease. This great project will transform millions of acres of desert into land capable of producing three, and in places four, crops a year. It will make possible the support of five million more people. And

yet even this huge modern scheme will not reclaim as much of the desert as was irrigated by the Egyptian engineers four thousand years ago.

FRED B. WRIGHT.

*Assuan, Egypt,  
January 15th, 1901.*

\* \*

**February Climate and Crop Conditions.** February was cold, dry, and windy.

The temperature conditions were the exact reverse of those occurring in January, being made up of brief warm spells and protracted, though not severe, cold periods. The 4th, 16th to 18th, and 26th were the warmest days, and the only ones at Baltimore with mean temperatures above normal. The lowest temperatures of the month were reached on the 1st, 7th, 13th, 14th, and 23d to 25th. Ice formed in the Bay early in the month, and was of sufficient thickness on the 2d to impede traffic at some points on the Eastern Shore. The ice broke up during the warm period that immediately followed, but again, from the 14th to the 17th, the Bay tributaries were frozen over, as were many of the inlets and small harbors, and large cakes of floating ice in the path of steamer travel made navigation somewhat hazardous for a time.

Precipitation was unusually light during the month, averaging only one-fifth of the normal February fall. The amount at Baltimore was the least recorded in February during a period of 31 years. In the neighborhood of two inches fell in southwestern Garrett County, one inch occurred at scattered points in the interior and along the Delaware coast, with amounts elsewhere still lower, decreasing to one-tenth of an inch at two stations. Nearly all of the precipitation occurred on the 3d-4th, 9th, and 22d, and about one-half of the total amount fell as snow. On the 3d the precipitation was of varied character, falling successively as rain, hail, sleet, and snow.

Winter wheat was protected by the snow covering that continued from January until about the middle of February, but after that it suffered some from freezings and thawings. In the southern counties the February weather conditions were continually unfavorable, there having been practically no protection afforded by snow. At the close of the month the wheat prospect was not so favorable as it was a month earlier, although least damage had been sustained in the principal wheat growing counties.

\* \*

#### CLIMATOLOGY OF THE MONTH.

##### ATMOSPHERIC PRESSURE.

Monthly mean at Washington, D. C., 30.01 inches; at Baltimore, 29.98 inches; average, 30.00 inches; highest, 30.39 inches, at Washington, D. C., on the 11th; lowest, 29.57 inches, at Baltimore, on the 16th.

##### TEMPERATURE.

The monthly mean (entire territory), 27.5°, is 4.4° below the normal.

The highest monthly mean was 32.2°, at Solomons.

The lowest monthly mean was 18.6°, at Sunnyside.

The highest temperature recorded during the month was 69°, at Sharpsburg, on the 16th.

The lowest temperature recorded during the month was -6°, at Deer Park, on the 23d.

The greatest local monthly range was 59°, at Sharpsburg. The least local monthly range was 35°, at Baltimore and Mount St. Marys College.

The greatest daily range was 50°, at Sharpsburg, on the 16th.

The least daily range was 2°, at Annapolis, on the 12th.

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

The monthly average (entire territory) 0.77, was 3.06 below the normal.

The greatest amount was 2.39, at Sunnyside.

The least amount was 0.10, at Chase and Charlotte Hall School.

The greatest amount in twenty-four hours was 1.62, at Wyoming, Del., on the 4th.

The average number of rainy days, 4.

##### WIND.

The prevailing direction was from the northwest.

The total movement was 4,036 miles, at Baltimore, and 6,972 miles, at Washington, D. C.

The maximum wind velocity was 38 miles per hour from the northwest, at Washington, D. C., on the 5th.

##### MISCELLANEOUS PHENOMENA.

*Snow.*—Annapolis, 3, 22; Bachman's Valley, 3, 22; Baltimore, 3, 4, 21, 22; Baltimore (Johns Hopkins Hospital), 3, 22; Boonsboro, 3, 22; Charlotte Hall, 8; Chase, 3; Chestertown, 2, 3; Chewsville, 4, 9, 22; Clear Spring, 3, 4, 9, 22, 23; College Park, 22; Darlington, 3; Deer Park, 4, 5, 12, 13, 20, 23, 24; Denton, 3, 5; Easton, 22, 23; Fallston, 3, 9, 21, 22; Frederick, 3, 9, 22; Frostburg, 1, 3, 4, 5, 9, 13, 19, 21, 22, 27, 28; Grantsville, 4, 5, 9, 12, 22; Green Spring Furnace, 2, 3, 10, 20, 22, 26; Great Falls, 22; Hagerstown, 1, 3, 9, 22; Hancock, 4, 9, 22; Jewell, 3, 22; Laurel, 3, 21; Millsboro, 20, 22, 24; Mount St. Marys, 2, 22; Newark, 9; New Market, 2, 20, 22; Pocomoke City, 24; Princess Anne, 22 to 24; Prince Fredericktown, 3, 8, 9, 22; Rock Hall, 3, 4, 22; Seaford, 19, 22, 23; Sharpsburg, 3, 4, 8, 22; Smithsburg (a) 3, 22; Smithsburg (b), 1, 3, 9, 22; Solomons, 8, 9, 22, 23; Sudlersville, 3, 22; Sunnyside, 1, 3 to 6, 9, 11, 12, 14, 20 to 23, 28; Takoma Park, 3, 5, 9, 22; Taneytown, 2, 9, 22; Western Maryland College, 3, 22, 23; Woodstock College, 3, 8, 21, 22; Harney, 3, 9, 22.

*Hail.*—Bachman's Valley, 4; Boettcherville, 4, 9; Chase, 9; Chestertown, 9; Hancock, 9; Jewell, 9; New Market, 9; Rock Hall, 9.

*Sleet.*—Annapolis, 3, 9; Baltimore, 3, 4, 9; Baltimore (Johns Hopkins University), Boettcherville, Boonsboro, Charlotte Hall, Chase, Chestertown, 9; Chewsville, 3, 4, 8, 9; Clear Spring, Denton, Easton, 9; Fallston, 3, 9; Grantsville, 3; Green Spring Furnace, 3, 10; Jewell, Laurel, Millsboro, Princess Anne, Prince Fredericktown, Rock Hall, Seaford, Smithsburg (b), Solomons, 9; Sunnyside, 3; Takoma Park, 9; Taneytown, 3; Woodstock College, 8.

*High Winds.*—Boonsboro, 4, 5; Clear Spring, 5, 6, 13, 14, 15, 20; Frostburg, 18; Harney, 12; Laurel, 4, 5, 12 to 15, 20, 21, 23; Millsboro, 4, 5, 12; Pocomoke City, 5; Princess Anne, 5, 6, 12 to 14; Seaford, 5, 13; Smithsburg (b), 3; Solomons, 5, 12, 13.

*Fog.*—Clear Spring, Jewell, Smithsburg (b), 4.

*Solar Halo.*—Jewell, 2, 17, 19, 21; Washington, D. C., 23, 25.

*Solar Corona.*—Millsboro, 11, 22.

*Lunar Halo.*—Baltimore, Green Spring Furnace, 2; Jewell, 2, 25; Pocomoke City, 25; Smithsburg (b), 2.

*Lunar Corona.*—Millsboro, Solomons, 25.

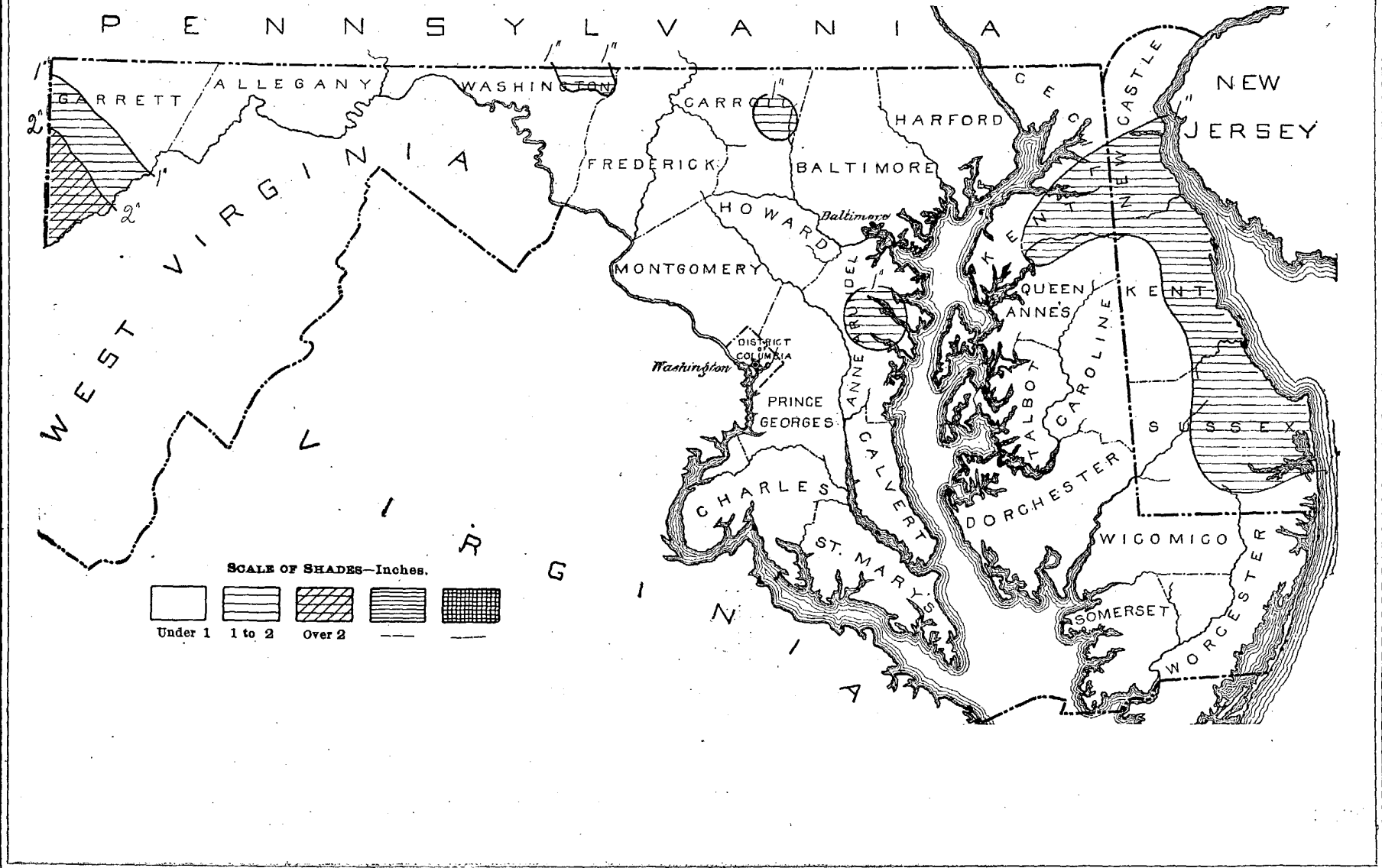
*Parhelia.*—Hancock, 25; Rock Hall, 2, 17.

Climatological data for Maryland and Delaware, February, 1901.

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.	
<b>WESTERN MARYLAND.</b>																				
Boettcherville.....	Allegany.....	780	11	28.0	-2.6	50	17	6	7	34	0.68	-2.11	0.38	2.5	3	5	17	6	.....	F. F. Brown.
Boonsboro.....	Washington.....	600	3	26.8	.....	54	16	7	7	34	0.57	.....	0.47	3.0	2	17	7	4	w.	C. E. Huntzberg.
Chewsville.....	Washington.....	530	3	26.0	.....	52	16	2	1	38	0.63	.....	0.33	4.0	5	14	12	2	nw.	W. A. Henneberger.
Clear Spring.....	Washington.....	500	3	26.1	.....	50	17	7	7	26	0.57	.....	0.35	5.8	5	13	14	1	nw.	W. I. Oswald.
Cumberland.....	Allegany.....	732	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. W. Frantz.
Deer Park.....	Garrett.....	2,457	10	19.8	-6.4	47	17	-6	23	34	1.80	-1.21	0.50	18.0	7	.....	.....	.....	.....	Howard Shriver.
Frostburg.....	Garrett.....	2,200	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. G. G. Townsend.
Grantsville.....	Garrett.....	2,400	8	26.8	-4.2	46	16	0	23	31	0.98	-3.04	0.20	7.5	6	4	9	15	w.	J. S. Miller.
Green Spring Furnace	Washington.....	450	9	25.9	-3.6	50	16	6	7	35	0.60	-2.64	0.39	1.3	4	16	9	3	nw.	E. G. Kinsell.
Hagerstown.....	Washington.....	552	10	27.6	-4.8	55	16	7	1	43	1.75	-2.08	1.30	3.0	5	20	4	4	nw.	Clyde B. Stouffer.
Hancock.....	Washington.....	455	3	27.0	-1.5	56	16	3	7	42	0.43	.....	0.38	1.8	2	6	17	5	nw.	J. D. Stotemeyer.
Sharpsburg.....	Washington.....	420	7	30.5	+0.9	69	16	10	7	50	0.63	-2.80	0.40	5.2	4	20	4	4	nw.	Chas. G. Biggs.
Smithsburg a.....	Washington.....	750	3	26.7	-2.4	54	16	0	1	42	0.19	.....	0.07	2.0	3	15	11	2	nw.	Chas. K. Shank.
Smithsburg b.....	Washington.....	900	.....	25.0	.....	53	16	4	14	30	1.12	.....	0.64	3.5	4	19	4	4	w.	Dr. D. W. Crowther.
Sunnyside.....	Garrett.....	2,440	9	18.6	-5.4	45	16	-5	13	31	2.39	-2.81	0.38	21.0	13	6	9	13	nw.	J. G. Knauer.
Westernport.....	Allegany.....	1,000	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Prof. O. H. Bruce.
Average.....	.....	.....	.....	25.1	-3.3	.....	.....	.....	.....	.....	0.94	-2.38	.....	6.2	5	13	9	6	nw.	.....
<b>NORTHERN-CEN. MD.</b>																				
Bachman's Valley...	Carroll.....	860	8	23.4	-4.6	44	16	0	2	30	1.11	-3.66	1.11	3.0	2	18	6	4	nw.	J. M. Myers.
Baltimore.....	Baltimore.....	123	67	29.4	-6.8	49	18	14	14	23	0.65	-2.85	0.50	2.1	4	12	12	4	w.	U.S. Weather Bureau.
Baltimore, J. H. Hosp.	Baltimore.....	112	7	28.4	-2.6	49	16	11	1	33	0.40	-4.76	0.35	0.5	2	15	4	9	nw.	W. L. Woods.
Chase.....	Baltimore.....	25	3	25.6	.....	43	26	3	1	28	0.10	.....	0.10	1.0	1	20	4	4	nw.	J. W. Crouch.
Darlington Academy	Harford.....	339	12	25.8	-4.0	46	16	6	1	27	0.67	-2.98	0.58	7.0	2	17	7	4	nw.	Prof. A. F. Galbreath.
Frederick.....	Harford.....	450	33	25.4	-5.7	47	16	8	1	27	0.80	-3.39	0.65	1.5	4	8	18	2	w.	S. G. Curtiss, A. M.
Frederick.....	Frederick.....	275	29	29.6	-3.9	50	16	6	23	27	0.80	-2.35	0.58	2.2	4	19	6	3	w.	McClintock Young.
Great Falls.....	Montgomery.....	200	13	26.8	-5.5	55	17	7	1	30	0.49	-2.77	0.45	0.2	3	24	0	4	nw.	Washington Aqueduct.
Harney.....	Frederick.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.90	.....	0.50	3.0	3	16	7	5	.....	Daniel Bowersox.
McDonogh*.....	Baltimore.....	.....	.....	23.9	-9.5	43	18	6	2	29	0.09	-3.12	0.07	0.9	2	25	1	2	.....	Wm. T. Purdum.
Mt. St. Mary's Coll.	Frederick.....	720	41	26.4	-5.8	45	17	10	7	23	2.20	-3.10	0.20	2.0	1	22	4	2	nw.	J. A. Mitchell, Ph. D.
New Market.....	Frederick.....	550	18	26.6	-5.9	51	16	6	1	20	0.77	-2.68	0.50	1.8	4	7	16	5	nw.	H. H. Hopkins, M. D.
St. Charles College	Howard.....	500	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rev. George L. Harig.
Takoma Park.....	Montgomery.....	.....	2	28.0	.....	55	17	10	1	33	0.76	.....	0.72	.....	3	.....	.....	.....	.....	G. A. Warren.
Taneytown.....	Carroll.....	490	9	27.1	-2.8	54	17	7	12	32	0.31	-2.82	0.37	2.8	4	14	8	6	w.	Prof. H. Meier.
Van Bibber*.....	Harford.....	22	6	26.4	-4.7	47	18	11	2	23	0.85	-3.92	0.62	.....	5	19	3	6	nw.	H. A. Wroth.
Western Maryland Coll.	Carroll.....	900	7	24.4	-6.0	47	16	8	1	25	0.90	-3.18	0.80	1.0	3	26	0	2	.....	Prof. Roland Watts.
Woodstock College...	Baltimore.....	392	32	27.7	-4.9	51	16	8	1	32	0.53	-2.98	0.33	3.0	4	21	6	1	nw.	James T. Dawson, S. J.
Average.....	.....	.....	.....	26.8	-4.9	.....	.....	.....	.....	.....	0.67	-3.13	.....	2.2	3	17	7	4	nw.	.....
<b>SOUTHERN MARYLAND.</b>																				
Annapolis.....	Anne Arundel...	45	28	30.6	-4.7	52	18	12	7	20	1.59	-2.49	1.30	.....	3	14	6	8	nw.	W. M. Abbott.
Charlotte Hall Sch. b	St. Mary's.....	167	8	31.8	-2.3	51	16	10	25	36	0.10	-3.62	0.10	T.	2	21	3	4	nw.	J. F. Coad.
Dist. of Columbia	Dist. of Columbia	120	11	30.4	-2.9	51	16	15	2	21	0.35	-3.10	0.35	.....	1	.....	.....	.....	.....	Washington Aqueduct
Jewell.....	Anne Arundel...	165	14	30.0	-4.7	56	16	14	24	30	0.65	-3.13	0.55	T.	1	21	3	4	nw.	J. Plummer.
Laurel.....	Prince George's...	150	7	27.3	-5.1	55	16	0	1	38	0.90	-3.39	0.62	.....	2	11	15	2	.....	Dr. T. M. Baldwin.
Md. Agricultural Coll.	Prince George's...	170	10	28.0	-6.4	57	16	7	11	38	0.90	-3.73	0.75	T.	2	21	4	3	.....	Prof. J. H. Patterson.
Prince Fredericktown	Calvert.....	.....	.....	30.4	.....	56	16	12	24	32	0.47	.....	0.33	1.0	4	.....	.....	.....	.....	Alfred Presson.
Receiving Reservoir†	Dist. of Columbia	160	11	28.9	-4.1	52	16	12	12	30	0.40	-2.85	0.40	.....	1	.....	.....	.....	.....	Washington Aqueduct
Solomon's.....	Calvert.....	20	10	32.2	-2.7	56	16	18	24	30	0.37	-3.61	0.13	0.7	5	12	7	9	nw.	W. H. Marsh, M. D.
Washington.....	Dist. of Columbia	112	31	29.8	-6.0	57	16	13	2	35	0.62	-2.75	0.29	0.2	4	13	9	6	nw.	U.S. Weather Bureau.
Average.....	.....	.....	.....	29.9	-4.3	.....	.....	.....	.....	.....	0.63	-3.19	.....	0.3	3	16	7	5	nw.	.....
<b>EASTERN MARYLAND.</b>																				
Berlin.....	Worcester.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. E. J. Dirickson.
Cambridge.....	Dorchester.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. A. Jordan.
Chestertown.....	Kent.....	80	17	30.2	-2.0	49	16	12	6	23	1.35	-2.55	1.10	0.5	4	17	8	3	nw.	Hon. M. de K. Smith.
Coleman.....	Kent.....	80	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	James S. Harris.
Denton.....	Caroline.....	42	12	28.5	-5.0	52	16	12	25	30	0.22	-4.12	0.18	0.5	3	.....	.....	.....	.....	F. C. Ramsdell.
Easton.....	Talbot.....	35	12	29.6	-4.3	53	16	14	25	31	0.31	-4.07	0.31	T.	1	19	6	3	nw.	Henry Shreve.
Mardela Springs.....	Wicomico.....	25	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. E. Acworth.
Pocomoke City.....	Worcester.....	37	8	31.8	-4.9	53	16	7	25	32	0.85	-3.29	0.54	3.0	2	15	10	3	nw.	R. M. Stevenson.
Port Deposit.....	Cecil.....	25	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. I. France.
Princess Anne.....	Somerset.....	20	27	29.8	-8.5	54	16	3	25	35	0.89	-3.21	0.32	2.4	5	10	11	7	nw.	J. R. Stewart.
Queenstown.....	Queen Anne.....	20	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. W. K. Carroll.
Rock Hall.....	Kent.....	25	3	29.8	.....	56	4	11	2	31	0.31	.....	0.12	.....	3	17	5	6	nw.	Isaac L. Leary.
Sudlersville.....	Queen Anne.....	.....	3	29.0	.....	55	16	9	12	32	0.64	.....	0.49	.....	3	19	6	3	w.	J. S. Barwick.
Average.....	.....	.....	.....	29.8	-4.9	.....	.....	.....	.....	.....	0.65	-3.45	.....	1.3	3	16	8	4	nw.	.....
<b>DELAWARE.</b>																				
Milford.....	Kent.....	20	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. Y. Foulk.
Millsboro.....	Sussex.....	23	9	27.8	-6.0	52	17	1	25	33	1.13	-3.32	0.68	2.0	3	22	3	4	nw.	Rev. L. W. Wells.
Newark (Del. Coll.)...	Newcastle.....	130	8	26.2	-3.4	49	16	7	1	30	0.97	-3.22	0.82	1.0	3	14	9	5	nw.	Prof. W. H. Bishop.
Seaford.....	Sussex.....	40	11	29.6	-4.8	50	16	12	24	25	0.82	-3.37	0.52	1.0	3	16	2	10	nw.	W. T. Wallace.
Wyoming.....	Kent.....	.....	3	.....	.....	.....														



TOTAL PRECIPITATION, FEBRUARY, 1901.



SCALE OF SHADES—Inches.



Daily precipitation for Maryland and Delaware, February, 1901.

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			.25	.38				.05																										0.68
Boonsboro			.47					.10																										0.57
Chewsville			.33					.28																										0.63
Clear Spring			.10	.35				.08																										0.57
Cumberland																																		0.57
Deer Park				.20	.30							.40	.50																					1.80
Frostburg	.05		.20	.23	.03			.04					.01																					0.98
Grantsville			.10	.20	.10			.05				.15																						0.80
Green Spring Furnace		T.	.07	.39						.12																								0.60
Hagerstown	T.		.20				1.30	.05	.15																									1.75
Hancock				.38				.05																										1.43
Sharpsburg			.40	.11				.10																										0.63
Smithsburg a			.06					.06																										0.19
Smithsburg b	T.		.30	.64				.13																										1.12
Sunnyside	.16		.10	.35	.16	.06		T.	.38	T.	.16	.08		.38																				2.39
Westernport																																		0.57
NORTHERN-CENTRAL MARYLAND.																																		
Bachman's Valley			.30	.81																														1.11
Baltimore			.22	.35				.07	T.																									0.65
Baltimore, Johns Hopkins Hosp.			.05	.35				T.																										0.40
Chase																																		0.10
Darlington Academy			.58					.09																										0.67
Fallston School			.06	.65				.09																										0.80
Frederick		.02	.58					.15																										0.80
Great Falls			.02	.45																														0.49
Harney			.50					.20																										0.90
McDonogh			.07																															0.09
Mt. St. Mary's College			.20																															0.20
New Market		.10	.50					.11																										0.77
St Charles College																																		0.76
Takoma Park		T.		.72				.03																										0.91
Taneytown		.21	.57					.04																										0.91
Van Bibber		.05	.62					.12																										0.85
Western Maryland College			.05	.80																														0.90
Woodstock College		.05	.33					.13																										0.53
SOUTHERN MARYLAND.																																		
Annapolis				1.30				.20																										1.50
Charlotte Hall School			.10					T.	T.																									0.10
Distributing Reservoir, D. C.				.35																														0.35
Jewell			T.	.55																														0.65
Laurel			.62					T.																										0.90
Maryland Agricultural College	.28		.75					.15																										0.90
Prince Fredericktown			.03	.33				T.	.10																									0.47
Receiving Reservoir, D. C.				.40																														0.40
Solomon's			.13	.08				T.	.10																									0.37
Washington, D. C.			.19	.29				.13																										0.62
EASTERN MARYLAND.																																		
Cambridge																																		0.22
Chestertown		.05	1.10	.10				.10	T.																									1.35
Coleman																																		0.22
Denton			.02	.18	.02				T.																									0.31
Easton			.31						T.																									0.31
Mardela Springs																																		0.85
Pocomoke City				.54																														0.89
Port Deposit																																		0.89
Princess Anne			.14	.32				.19																										0.89
Queenstown																																		0.31
Rock Hall			.07	.12				.12																										0.64
Sudlersville				.49				.15																										0.64
DELAWARE.																																		
Milford																																		1.13
Millsboro				.68						.25																								0.97
Newark (Delaware College)				.82				.15																										0.82
Seaford			.52					.20																										1.84
Wyoming			.22	1.62				.20																										1.84

"T" Trace, when precipitation is less than 0.01 inch.

1 Incomplete record.