

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

in Cooperation with Maryland State Weather Service

CLIMATOLOGICAL DATA

15 MARYLAND AND DELAWARE SECTION

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PRICE: 5 CENTS A COPY; 50 CENTS A YEAR

VOL. XL BALTIMORE, MD., APRIL, 1935 No. 4

GENERAL SUMMARY

This was the coolest April since 1928. Very cool, unusually cloudy, and wet weather featured the first half of the month; the second half was dry and sunshiny, with temperatures cold for the season on the 16th, cool on the 17-18th and 21st-23d, mild on the 19-20th, 24-26th, and 30th, and warm on the 27-29th.

Monthly precipitation was below normal in the western half of the section, with totals between 2 and 3 inches, except between 3 and 4 inches in the Allegheny Mountain highlands; it was above normal over the eastern half, with totals between 3 and 4 inches on the Eastern Shore, except 4 to 6 inches in the southeast portion, and between 4 and 5.5 inches to westward of Chesapeake Bay.

Snowfall was confined to western and north-central Maryland. Totals decreased from 10 to 13 inches in the Allegheny Mountain region to one inch in the eastern and southern portions of north-central Maryland; they were a trace in southern Maryland and on the Eastern Shore. The monthly average was one and three-fourth times the normal and the greatest in April since 1928.

Light snow fell in the Allegheny Mountain region on the 7th, 14th, 15th, 16th, and 17th; flurries occurred in the other divisions on the 7th and 16th. On the 8-9th there was a moderate snowfall over the western portion of the section, except in northern Frederick County and in the Allegheny Mountain region where the snowfall was heavy; a light snowfall occurred in north-central Maryland in the early morning of the 9th.

Sunshine during the first half of the month was one-third of normal; during the second half it was one and one-third times the normal. Monthly sunshine was 10 per cent below normal. The average number of clear days was the least of record for April, and of cloudy days the greatest in April since 1901.

Wheat, rye, and barley made good growth, stooled well, and were mostly good to excellent. Grasses and pastures were mostly good. Early peas in eastern and central divisions were good stands, but made slow growth; they were damaged slightly by freezing temperature during night of 15-16th, except on the southern Eastern Shore. Early potatoes planted and oats sown in (Continued on page 15)

TEMPERATURE

The monthly mean for the section, 50.0°, is 2.4° below normal. The highest monthly mean was 53.3° at Crisfield; the lowest, 42.4° at Sines. The highest temperature, 92°, occurred at Cumberland, Hancock, and Keedysville on the 27th; the lowest, 14°, at Oakland on the 16th. The greatest local monthly range was 70° at Cumberland; the least, 44° at Crisfield. The greatest daily range was 57° at Hancock on the 27th.

PRECIPITATION

The monthly average for the section, 3.76 inches, is 0.19 inch above normal. The greatest monthly amount was 6.25 inches at Crisfield; the least, 2.03 inches at Cumberland. The greatest 24-hour amount was 2.84 inches at Baltimore on the 8-9th. The monthly average snowfall 2.1 inches, is 0.9 inch above normal. The greatest monthly snowfall was 12.9 inches at Oakland. The average number of days with 0.01 inch or more of precipitation, 10, is normal.

MISCELLANEOUS PHENOMENA (WITH DATES)

Dust Clouds.—15, 27, 28, 29. *First cabird and first wren.*—Princess Anne, 29. *Fogs: Light.*—1, 2, 5, 6, 8, 9, 11, 12, 13, 19, 21, 22, 24, 29, 30. *Fogs: Dense.*—2, 13, 22. *Fogs: King, date of last.*—Eastern and central divisions, 16; western Maryland, 26. *Hail: Light.*—Baltimore and Ferry Landing, 15. *Parasitela.*—Baltimore, 18. *Hail: Light to moderate.*—North-central Maryland, 29. *Rainbow.*—Ferry Landing, 15. *Balos: Lunar.*—17, 18. *Solar.*—3, 15, 19, 20. *Sundog.*—Ferry Landing, 18. *Sheet: Light.*—7, 8, 9, 15; also Princess Anne, 4; Allegheny Mountain region, 17. *Thunderstorms.*—15, 29.

Winds: high.—Northeast, 8. Westerly, 1, 15, 16, 17, 27, 29 (thundergust), 30; gale force at times, 15, 30. On Eastern Shore and off the coast: Northeast, 6, 7, 8, 9, 10, 11; gale off the coast, 8, 9. Northwest, 25.

Damage by hail.—On 29th. At Gaithersburg, sharp-pointed hailstones, one-quarter to three-quarters inch in diameter, over an area about one mile square, caused slight damage to auto tops and other property; no crops were damaged. At Libertytown, hailstones were size of walnuts; no damage.

Damage by thundergust.—On 29th. In the North Point Road and Bear Creek districts of extreme southeastern Baltimore County, a home and 6 shore houses were damaged, 6 outbuildings were unroofed, 20 trees were uprooted, and some poles were blown down. At Walkersville, a farmer was injured, when struck by a chicken house, which had been lifted by the gust.

PRESSURE, HUMIDITY, SUNSHINE AND WIND

Stations	Atmospheric pressure reduced to sea level				Wind				Mean relative humidity			Percentage of sunshine	
	Average	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	Local n'n		8 p. m.
Aberdeen, Md.	29.92	30.22	4	29.89	15	8.6	34	w.	30	74	..	65	..
Annapolis, Md.	29.91	30.22	26	29.44	15	9.7	34	nw	30	68	60	67	..
Baltimore, Md.	29.91	30.23	26	29.44	15	11.7	38	nw	15	63	52	63	50
Elkins, W. Va.	29.97	30.27	26	29.64	15	6.8	34	nw	30	80	59	68	58
Harrisburg, Pa.	29.91	30.23	11	29.48	15	8.5	29	nw	30	68	52	56	52
Norfolk, Va.	29.91	30.24	26	29.39	15	10.8	34	n.	15	79	68	70	44
Philadelphia, Pa.	29.91	30.22	4	29.43	15	14.3	43	e.	8	62	48	57	50
Pittsburgh, Pa.	29.95	30.28	26	29.52	15	10.6	38	w.	15	75	56	66	42
Washington, D. C.	29.91	30.24	26	29.41	15	8.4	32	nw.	15	69	54	56	48

COMPARATIVE DATA FOR MARYLAND AND DELAWARE FOR APRIL

Year	Temperature				Precipitation				Number of days				
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest	Least	Average snowfall	With 0.01 in. or more precipita'n	Clear	Partly cly	Cloudy
1895...	52.3	-0.1	89	18	4.97	+1.40	9.28	1.15	0.1	10	13	7	10
1896...	55.7	+3.3	99	12	1.42	-2.15	2.98	0.49	0.4	6	13	10	9
1897...	52.1	-0.3	94	15	2.98	-0.59	5.06	2.00	T.	8	16	8	6
1898...	50.3	-2.1	88	6	2.75	-0.82	5.65	0.57	2.3	11	11	9	10
1899...	53.0	+0.6	94	14	1.60	-1.97	3.40	0.67	T.	4	19	7	4
1900...	52.4	0.0	86	16	1.96	-1.61	3.65	0.64	0.4	6	16	7	7
1901...	49.2	-3.2	90	15	5.69	+2.12	7.95	3.30	2.0	11	11	5	14
1902...	51.8	-0.6	102	16	3.45	-0.12	5.15	1.73	2.3	8	11	11	8
1903...	52.4	0.0	95	13	4.02	+0.45	7.02	2.29	T.	9	13	7	10
1904...	49.1	-3.3	87	10	2.46	-1.11	4.10	1.29	0.2	9	12	10	8
1905...	52.8	+0.4	88	8	2.85	-0.72	5.60	1.07	0.5	9	12	12	6
1906...	54.1	+1.7	96	10	3.14	-0.43	5.97	0.38	T.	10	15	10	5
1907...	47.0	-5.4	86	9	3.33	-0.24	4.69	1.44	1.8	10	10	10	7
1908...	54.6	+2.2	90	19	2.36	-1.21	4.63	1.07	T.	10	16	7	10
1909...	52.7	+0.3	89	5	3.59	+0.02	6.16	1.94	0.3	10	14	8	8
1910...	57.3	+4.9	92	20	5.40	+1.88	10.37	2.74	0.1	12	11	11	8
1911...	49.0	-3.4	88	0	3.25	-0.32	4.66	1.69	1.8	11	11	9	10
1912...	54.7	+2.3	87	21	2.73	-0.84	4.73	1.31	T.	12	11	10	9
1913...	54.1	+1.7	90	11	4.51	+0.94	8.21	1.48	T.	10	13	8	9
1914...	51.6	-0.8	89	15	3.82	-0.25	6.48	1.87	0.1	10	13	10	7
1915...	57.0	+4.6	100	10	1.66	-1.91	3.15	0.48	5.1	6	15	11	4
1916...	51.4	-1.0	89	17	3.00	-0.57	3.94	1.68	3.9	12	12	9	9
1917...	52.4	0.0	90	15	2.43	-1.14	3.46	0.99	3.7	8	14	8	8
1918...	51.2	-1.2	83	15	5.69	+2.12	10.10	2.72	5.0	11	10	9	11
1919...	51.8	-0.6	88	11	3.42	-0.15	4.92	1.30	T.	7	13	9	8
1920...	51.0	-1.4	88	12	4.04	+1.07	6.99	2.55	0.5	13	12	9	9
1921...	58.1	+5.7	92	16	3.18	-0.39	4.79	1.83	1.0	10	12	9	10
1922...	54.0	+1.6	93	17	1.90	-1.67	3.56	0.88	0.1	9	14	7	7
1923...	51.5	-0.9	88	-3	4.16	+0.59	7.09	2.29	1.0	9	16	7	7
1924...	50.1	-2.3	83	13	5.01	+0.44	7.05	2.76	5.4	12	14	7	9
1925...	55.2	+2.8	97	20	2.55	-1.02	3.88	1.27	0.2	11	15	8	7
1926...	50.0	-2.4	89	18	1.75	-1.82	2.68	0.79	0.4	9	14	9	7
1927...	50.0	-2.4	94	18	4.71	+1.14	7.30	2.87	1.6	14	12	6	12
1928...	50.0	-2.4	85	14	5.86	+2.29	8.37	4.27	4.0	12	12	7	11
1929...	55.4	+3.0	95	25	6.47	+2.90	8.43	4.61	0.2	14	12	8	10
1930...	50.6	-1.8	93	18	2.48	-1.09	3.79	1.29	0.5	9	13	8	9
1931...	51.4	-1.0	84	18	3.08	-0.49	4.51	1.95	1.4	9	15	6	9
1932...	50.5	-1.9	84	16	2.21	-1.36	4.14	0.87	0.3	8	16	7	7
1933...	52.8	+0.4	88	20	5.44	+1.87	7.58	3.61	0.1	11	13	9	8
1934...	51.9	-0.5	86	19	2.65	-0.92	4.12	1.31	0.2	10	13	8	8
1935...	50.0	-2.4	92	14	3.76	+0.19	6.25	2.03	2.1	10	9	8	13
Period	52.4	102	-3	3.57	10.37	0.38	1.2	10	13	9	8

Climatological Data, April, 1935

Table with columns: Stations, Counties, Elevation, Length of record, Temperature (Mean, Departure from normal, Highest, Date, Lowest, Date, Greatest daily range), Precipitation (Total, Departure from normal, Greatest in 24 hours, Total snowfall), Number of days (Clear, Partly cloudy, Cloudy), Prevailing direction of wind, Observers. Rows include Maryland stations like Aberdeen, Annapolis, Baltimore, etc., and Delaware stations like Bridgeville, Delaware City, Dover, etc.

The departures from normal temperature and precipitation are computed only for such stations as have 10 or more years of record, but all complete reports are used in determining section or division means. Data in italics determined from surrounding stations. T. Precipitation is less than 0.01 inch rain or melted snow. Post addresses of these stations are as follows: Of Bell, Glendale; of Coleman, Worton; of Fallston, Bagley; of Ferry Landing, Owings; of Great Falls, Bethesda; of Pleasant Hill, Owings Mills; of Sines, Oakland. *Also on other dates. **Weather Bureau Building, 24th and M Sts. §§§§Porter Reservoir.

ERRATA:

March, 1935.—Page 9: General Summary: first column, last line, Friendsville should be Friendsville. Comparative Data for Maryland and Delaware for March: departure of mean temperature from normal, 1935, published -4.6, should be +4.6. First item under Miscellaneous Phenomena printed Dust Clouds, should be Dust Clouds.

Daily Temperatures for April, 1935

Table with columns for Stations, 1-31, and Mean. Rows list various Maryland and Delaware locations such as Aberdeen, Annapolis, Baltimore, etc., with their respective daily temperature readings.

§ Instruments are read in morning; maximum temperature then read is charged to preceding day, on which it almost always occurs. Temperatures at Aberdeen, Annapolis, Baltimore, Dundalk, Sines, and Washington are from midnight to midnight; other stations, except Cumberland, are for 24-hour period ending late in afternoon, near sunset.