

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CHARLES F. MARVIN, Chief

In Cooperation with Maryland State Weather Service

CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE SECTION

ROSCOE NUNN, Meteorologist and Section Director

VOL. XXXII BALTIMORE, Md., NOVEMBER, 1927 No. 11

GENERAL SUMMARY

This was the second mildest November of record. The mean temperature, 49.9° , 5.3° above normal, was 1° less than that of the mildest November (1902). Rainfall was somewhat below normal over the southern third of the section; it was somewhat above normal in other divisions, except more than twice the normal in extreme northern Delaware. Monthly sunshine was slightly below normal, while relative humidity averaged about 5 per cent above. A southerly gale swept over the central and eastern divisions on the 17th and a westerly gale over the northern divisions at night of the 30th. The feature of the month was a tornado on the 17th (see below).

Warm periods were 1st-3d, 11-12th, 15-17th, and 22d-30th. Cold periods were 4-10th, 13-14th, and 18th-21st. Outstanding warm days were 1st-2d, 12th, 15-17th, 22d-24th, and 27-30th. The coldest days were 6-7th and 19-20th. Highest temperatures were between 70° and 79° . Lowest temperatures ranged from 9° at Friendsville to 30° at Stevensville.

Between the Allegheny Mountains and the Atlantic coast the first general freezing temperature and killing frost occurred on the 7th.

Monthly rainfall averaged one and one-eighth times the normal. Monthly amounts were between 2 and 3 inches, except slightly below 2 inches in the southern portion of southern Maryland and in western Montgomery and southeastern Allegany Counties; and between 3 and 4 inches in the Allegheny Mountain region, northeastern Washington and extreme northwestern Frederick Counties, near the Atlantic coast, and in the northeastern portion of the section, except between 4 and 5.2 inches in extreme northern Delaware.

Heavy rain fell in the Allegheny Mountain region and on the Eastern Shore on the 3d, and over the entire section, except Allegany and Garrett Counties, on the 17th.

Monthly snowfall averaged about one-third of normal. Light snow fell in the Allegheny Mountain region on the 3d, 4th, 5th, 6th, 18th, and 19th. To the eastward thereof snow flurries occurred on the 4th as far east as Baltimore County and on the 6th over the northern half of the section; they occurred over the entire section on the 8th.

Humid periods were 1st-3d, 9-12th, 14-17th, and 26-30th.

The westerly gale at night of the 30th wrecked a glass factory in "The Narrows" near Cumberland. It tore off the roof and then the walls collapsed. Damage estimated at \$20,000. The gale also badly damaged three airplanes that were moored on a farm near Westminster. Minor property damage occurred locally over the section.

Wheat, rye, grasses, and pastures were in good to excellent condition. Digging late potatoes and husking corn ended. The potato crop was good. Much plowing was done.—J. B., jr.

THE VIRGINIA-DISTRICT OF COLUMBIA-MARYLAND TORNADO OF NOVEMBER 17, 1927

(For a detailed account, see Monthly Weather Review, November, 1927)

At about 2:15 p. m. a tornado cloud formed at the edge of Fairfax County, Va., about 3 or 4 miles south-southwest of Alexandria, Va. It proceeded in a north-northeasterly direction toward Alexandria, Va., crossing the upper portion of the city and doing considerable damage

to trees and buildings. It then moved diagonally up the Potomac River to the District of Columbia shore; passed over the Naval Air Station and the Navy Yard; entered southeastern Washington and proceeded thence over the northeastern section of the city into Prince Georges County, Md., where it passed through the communities of Colmar Manor, Lenox, Bladensburg, East Hyattsville, and East Riverdale, and then rapidly disintegrated. The entire length of the destructive path was about 17 miles, the approximate distance between Mont Eagle, Va., and East Riverdale, Md. The width of the path varied from about 50 to 800 feet.

The total damage to property was estimated at \$690,000, distributed as follows: Alexandria, Va., \$200,000; Arlington County, Va., \$125,000; Naval Air Station, \$100,000; Navy Yard, \$80,000; District of Columbia, \$120,000; Prince Georges County, Md., \$65,000. In Alexandria, Va., 26 buildings were greatly damaged and 44 others to a lesser degree; in Arlington County, Va., 6 buildings were badly damaged or destroyed and the Potomac River Clay Works were wrecked; in the District of Columbia, 429 buildings were damaged; in Prince Georges County, Md., 6 buildings were wrecked and 16 others were damaged.

Fortunately, no one was killed, but 31 persons were injured; 10 in Alexandria, Va., 2 in Arlington County, Va., and 19 in the District of Columbia.—J. B., jr.

PRESSURE

The monthly mean sea-level pressure at Washington, Baltimore, and Aberdeen was 30.14 inches. The highest at Washington and Baltimore was 30.74; at Aberdeen, 30.81 inches—all on the 13th. The lowest at Washington was 29.44; at Baltimore, 29.41; at Aberdeen, 29.43 inches—all on the 4th.

TEMPERATURE

The monthly mean for the section, 49.9° , is 5.3° above normal. The highest monthly mean was 53.4° , at Crisfield; the lowest, 42.8° , at Grantsville. The highest temperature, 79° , occurred at Cumberland, Milford, and Western Port on the 2d and at Millsboro on the 16th; the lowest, 9° , at Friendsville on the 20th. The greatest local monthly range was 64° at Friendsville; the least, 42° , at Stevensville. The greatest daily range was 41° at Grantsville on the 14th.

PRECIPITATION

The monthly average for the section, 2.85 inches, is 0.31 inch above normal. The greatest monthly amount was 5.20 inches at Wilmington; the least, 1.54 inches, at Picardy. The greatest 24-hour amount was 3.05 inches at Maryland Line on the 17th. The monthly average snowfall for the section, 0.3 inch, is 0.7 inch below normal. The greatest monthly snowfall was 7 inches at Grantsville; the least, a trace, over the section between the Allegheny Mountains and the coast. The average number of days with precipitation of 0.01 inch or more, 9, is 2 above normal.

RELATIVE HUMIDITY

The average percentages were: Washington, D. C., 8 a. m., 79; 12 noon, 60; 8 p. m., 68. Baltimore, Md., 8 a. m., 77; 12 noon, 61; 8 p. m., 70. Aberdeen, Md., 8 a. m., 88; 4 p. m., 69. Philadelphia, Pa., 8 a. m., 79; 12 noon, 70; 8 p. m., 74.

WIND

The prevailing direction for the section was southwest. The total movement at Washington was 4,758; at Baltimore, 7,282; at Aberdeen, 5,320 miles. The maximum velocity at Washington was 45 miles from the southwest; at Baltimore, 48 miles from the south; at Aberdeen, 43 miles from the south—all on the 17th.

SUNSHINE AND CLOUDINESS

At Washington 56 per cent of the possible sunshine was recorded; at Baltimore, 52 per cent; at Aberdeen 44 per cent. For the whole section the average number of clear days was 9; partly cloudy, 11; cloudy, 10.

(Continued on page 42)

Climatological Data for November, 1927

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr					Precipitation, in inches			Number of days			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)	With 0.01 inch or more precip.	Clear	Partly cloudy	Cloudy				
<i>Maryland</i>																						
Aberdeen.....	Harford.....	80	9	48.7	+4.2	72	12	27	20	29	3.31	-0.22	1.76	T.	10	6	12	12	s.	U. S. Army.		
Annapolis.....	Anne Arundel.....	46	62	51.0	+4.2	74	27	27	20	27	2.71	-0.22	1.62	T.	11	11	9	10	se.	Louis E. Foster.		
Baltimore*	.....	115	57	51.6	+5.3	74	29	29	20	24	2.22	-0.70	1.43	T.	8	9	11	10	sw.	U. S. Weather Bureau.	
Bell††	Prince Georges.....	151	7	49.0	-	73	1	17	20	40	2.72	-	1.99	T.	8	10	12	8	sw.	Bureau Plant Industry.		
Boys.....	Montgomery.....	424	8	49.9	-	74	†1	20	20	37	1.75	-	1.05	T.	9	10	11	9	s.	James L. Higgins.		
Cambridge(near).....	Dorchester.....	25	34	53.0	+5.6	75	†1	28	21	29	2.61	-0.08	1.15	T.	6	9	12	9	s.	Matt Harding.		
Cecilton.....	.....	85	9	51.6	-	77	2	27	†14	37	4.48	-	2.27	T.	11	8	9	13	sw.	Wm. F. Coale.	
Cheltenham.....	Prince Georges.....	230	27	51.2	+5.8	76	1	21	20	38	3.39	+0.97	2.40	T.	7	12	12	6	sw.	Geo. Hartnell.		
Cheswile.....	Washington.....	530	30	48.7	+6.1	74	11	18	20	33	3.07	+1.12	2.18	T.	10	12	8	10	sw.	D. Paul Oswald.		
Clear Spring.....	.....	600	30	49.0	+6.6	77	11	21	20	37	3.52	+1.40	1.99	T.	10	12	8	10	w.	Leo A. Cobill.	
Coleman††	Kent.....	80	30	51.6	+5.4	75	†1	28	20	28	2.82	+0.30	1.68	T.	8	11	9	10	sw.	Walter B. Harris.		
College Park.....	Prince Georges.....	87	41	50.4	+6.0	76	1	20	20	39	2.64	+0.12	1.89	T.	7	11	10	9	sw.	Prof. Thos. H. White.		
Cristfield.....	Somerset.....	5	8	53.4	-	77	2	27	21	32	2.09	-	0.85	T.	7	7	14	9	s.	A. B. Cochrane.		
Cumberland.....	Allegany.....	623	55	47.8	+5.4	79	2	20	20	40	2.53	+0.39	1.00	T.	13	9	8	13	nw.	Harvey H. Weiss.		
Darlington.....	Harford.....	300	37	48.6	+5.0	74	1	22	†14	38	2.85	+0.12	1.84	T.	8	10	10	10	s.	Fred. C. Jones.		
Euston.....	Talbot.....	85	37	51.6	+5.3	78	1	25	†20	38	2.80	+0.20	1.33	T.	9	8	15	7	s.	Clement E. Bray.		
Elkton.....	.....	28	1	49.8	-	76	1	24	21	39	3.32	-	1.80	T.	7	10	10	10	sw.	H. W. Bouchelle.	
Emmitsburg.....	Frederick.....	720	59	48.8	+5.8	72	1	25	20	29	2.19	-1.06	1.11	T.	10	10	13	7	w.	Mt. St. Mary's College.		
Fallston††	Harford.....	450	58	48.7	+5.3	74	1	23	20	30	2.53	-0.64	1.53	T.	9	8	14	8	s.	Miss Dora Curtiss.		
Ferry Landing††	Calvert.....	45	11	51.2	-	75	1	23	20	33	1.87	-	1.04	T.	7	12	9	9	s.	Thos. J. Bourne.		
Frederick.....	.....	275	53	49.7	+5.7	74	†1	25	20	31	2.18	-0.30	1.22	T.	12	9	12	9	w.	Chas. S. Birely.	
Friendsville.....	Garrett.....	1,501	9	45.6	-	73	†1	9	20	38	3.73	-	1.50	4.5	14	4	7	19	w.	Joab J. Friend.		
Frostburg.....	Allegany.....	1,929	26	45.6	+3.8	75	2	15	20	33	2.86	+0.42	1.65	T.	13	7	11	12	w.	T. F. Lewis.		
Grantsville.....	Garrett.....	2,351	34	42.8	+3.9	72	†1	13	20	41	3.91	+1.26	1.73	7.0	15	4	7	19	w.	C. S. Zeller.		
Great Falls††	Montgomery.....	200	38	50.8	+6.9	75	†1	18	20	35	2.11	-0.10	1.42	T.	7	11	11	8	sw.	Chas. E. Sullivan.		
Hancock (Tonoloway).....	Washington.....	455	17	48.4	+5.1	78	16	16	20	38	2.20	+0.08	1.07	T.	8	14	7	9	w.	American Fruit Growers.		
Keedysville.....	.....	400	23	50.1	+6.4	76	1	20	20	34	2.69	+0.76	1.95	T.	8	14	5	11	s.	J. A. Miller.	
Laurel.....	Prince Georges.....	320	33	50.1	+5.7	73	1	24	20	29	2.71	+0.27	1.94	T.	10	11	11	8	s.	Evan G. Chaney.		
Lutherville.....	Baltimore.....	340	1	49.0	-	74	†1	21	21	37	2.82	-	1.88	T.	8	10	10	10	s.	August W. Clark, P. M.		
Maryland Line.....	.....	840	3	47.8	-	72	†1	21	20	34	4.00	-	3.05	T.	7	11	10	9	sw.	Chester L. Fulton.	
Mechanicsville.....	St. Marys.....	165	1	-	-	-	-	-	-	-	-	-	2.21	-	1.32	T.	6	10	12	8	w.	Zach. S. Graves.
Millington.....	Kent.....	27	30	51.8	+6.6	77	2	25	14	38	3.57	+1.00	1.58	T.	10	10	10	10	s.	Henry L. Higman.		
Newburg.....	Charles.....	110	2	52.0	-	76	1	24	20	32	1.79	-	0.71	T.	8	11	11	8	sw.	John P. Burdette.		
Oakland.....	Garrett.....	2,461	28	44.2	+6.3	75	1	15	20	40	3.61	+0.93	1.60	6.2	17	9	3	18	w.	R. E. Weber.		
Picardy.....	Allegany.....	900	1	47.7	-	77	2	18	20	35	1.54	-	0.63	T.	8	14	6	10	w.	D. E. Catlett.		
Pleasant Hill††	Baltimore.....	660	3	-	-	-	-	-	-	-	3.26	-	2.40	T.	8	9	12	9	sw.	J. E. Henry.		
Pocomoke City.....	Worcester.....	37	22	-	-	-	-	-	-	-	2.45	+0.04	-	T.	6	7	15	7	sw.	Rev. Louis L. Williams.		
Princess Anne.....	Somerset.....	17	52	51.7	+4.4	77	†1	23	21	35	2.18	-0.24	0.84	T.	6	8	15	7	sw.	James R. Stewart.		
Public Landing††	Worcester.....	10	12	52.0	+3.3	75	12	22	†20	30	4.44	+2.02	2.22	T.	6	9	14	7	w.	Louis C. de Guibert.		
Ridgeley.....	Caroline.....	57	6	51.8	+6.0	76	†1	24	20	34	3.50	+0.92	1.48	T.	8	8	12	10	sw.	Albert White.		
Rock Hall.....	Kent.....	25	13	51.4	+5.4	75	†1	27	†14	33	2.89	+0.05	1.60	T.	6	10	12	8	s.	Charles Judefind.		
Salisbury.....	Wicomico.....	23	22	52.6	+5.8	77	16	23	21	32	2.26	-0.65	0.85	T.	8	11	12	7	sw.	Homestead Dairy Farms.		
Solomons.....	Calvert.....	20	36	53.0	+4.4	75	1	28	20	24	1.59	-0.41	0.52	T.	6	7	13	10	s.	Dr. W. H. Marsh.		
State Sanatorium.....	Frederick.....	1,460	19	49.7	+5.0	74	16	20	20	33	3.16	+0.78	1.82	T.	12	11	13	6	s.	Dr. V. F. Cullen.		
Stevensville.....	Queen Anne.....	12	1	51.0	-	72	1	30	†10	29	2.76	-	1.46	T.	10	8	14	8	s.	T. R. Price.		
Takoma.....	Montgomery.....	320	29	49.8	+5.3	73	†1	24	20	28	2.05	-0.07	1.45	T.	5	7	13	10	s.	L. M. Moores.		
Towson.....	Baltimore.....	465	15	-	-	-	-	-	-	-	2.59	+0.38	1.59	T.	9	9	11	10	s.	Metropolitan District.		
Western Port.....	Allegany.....	1,000	34	48.7	+5.9	79	2	26	19	39	3.16	+1.32	1.83	T.	12	10	13	7	s.	Norris Bruce.		
Westminster.....	Carroll.....	770	18	48.4	+3.8	73	11	19	20	35	2.31	-0.50	1.28	T.	12	10	13	7	s.	Prof. S. P. Caltrider.		
Woodstock.....	Baltimore.....	415	57	49.3	+6.1	77	2	19	20	38	3.26	+0.48	2.50	T.	12	9	13	8	sw.	Woodstock College.		
<i>Dist. of Columbia</i>																						
Washington***	.....	112	57	51.0	+5.8	74	2	27	20	29	2.65	-0.06	2.04	T.	6	7	13	10	s.	U. S. Weather Bureau.	
<i>Delaware</i>																						
Bridgeville.....	Sussex.....	45	4	51.7	+5.6	78	2	23	21	38	2.74	+0.16	1.10	T.	10	11	12	7	sw.	George Ray.		
Delaware City.....	Newcastle.....	12	41	50.2	+4.5	75	†1	25	20	32	5.05	+2.91	2.41	T.	11	10	11	9	s.	N. W. Wilkinson.		
Dover.....	Kent.....	34	38	52.0	+6.5	76	2	25	20	34	2.37	-0.78	1.03	T.	8	10	13	7	sw.	Arthur G. Livingston.		
Milford.....	Sussex.....	20	45	52.4	+5.2	79	2	23	20	36	2.23	-0.79	0.93	T.	9	11	12	7	s.	Chas. J. Holzmueller.		
Millsboro.....	.....	20	35	52.0	+5.6	79	16	22	21	37	3.08	+0.45	1.32	T.	9	11	12	7	sw.	Rev. M. P. S. Huntington.	
Wilmington.....	Newcastle.....	86	34	48.8	+3.5	70	†1	25	20	30	5.20	+2.38	2.30	T.	12	10	10	10	sw.	Street and Water Depts.		
For Maryland and District of Columbia.	.....	.....	49.7	+5.3	79	2	9	20	41	2.78	+0.28	3.05	0.3	9	9	11	10	sw.		
For Delaware.....	.....	51.2	+5.2	79	†2	22	21	38	3.44	+0.72	2.41	T.	10	10	12	8	sw.				
For entire section.....	.....	49.9	+5.3	79	†2	9	20	41	2.85	+0.31	3.05	0.3	9	9	11	10	sw.				

The departures from normal temperature and precipitation are computed only for such stations as have 10 or more years of record, while all complete reports are used in determining section or division means. Data in italics determined from surrounding sections. T. Precipitation is less than 0.01 inch rain or melted snow.

Reference letters, a, b, c, appearing in the table indicate number of days missing: For example, b represents two days, etc. *Record incomplete.

† Post office addresses of these stations are as follows: Of Bell, Glenndale; of Coleman, Worton; of Fallston, Bagley; of Ferry Landing, Owings; of Great Falls, Bethesda; of Pleasant Hill, Owings Mills; of Public Landing, Snow Hill. †Also on other dates. *Customhouse Building, Gay and Water Streets. **Weather Bureau Building, 24th and M Streets.

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MISCELLANEOUS PHENOMENA (WITH DATES)

Fogs, dense.—Central and eastern portions of section, 1, 16, 30; also upper Chesapeake Bay, 3; on the coast, 3, 15; southern Maryland, 3, 15, 26; District of Columbia, 26; north-central Maryland and Eastern Shore,

Daily Precipitation for November, 1927

Except as otherwise indicated, observations are generally made late in afternoon, near sunset, and precipitation recorded is for the 24 hours ending at time of observation.

***Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. Precipitation measured in the morning, amount then recorded is for the preceding 24 hours.

**Precipitation is for 24-hour period, midnight to midnight. Precipitation included in the next following measurement.

III Precipitation measured in the morning; amount then recorded is for the preceding 24 hours.
T. Trace, or less than 0.01 inch. Data in italics determined from surrounding stations.

1. Trace, or less than 0.01 inch. Data in italics determined from surrounding stations.

COMPARATIVE DATA FOR MARYLAND AND DELAWARE FOR NOVEMBER

Year	Temperature				Precipitation					Year	Temperature				Precipitation							
	Mean	Departure from the normal		Highest	Lowest	Departure from the normal		Greatest local	Least local	Greatest in 24 hours	Snowfall	Departure from the normal		Greatest local	Least local	Greatest in 24 hours	Snowfall					
		Highest	Average			Greatest local	Least local					Average	Highest	Lowest								
1895.....	45.9	+1.3	81	0	1.41	-1.13	3.51	0.34	1.62	0.2	8	1912.....	46.3	+1.7	79	10	2.13	-0.41	3.80	0.68	2.56	1.5
1896.....	49.4	+4.8	78	12	3.08	+0.54	9.92	1.08	3.00	0.2	7	1913.....	47.3	+2.7	87	10	2.10	-0.44	4.38	0.69	1.65	1.0
1897.....	45.0	+0.4	80	8	4.69	+2.15	8.43	1.59	4.42	0.2	12	1914.....	44.5	-0.3	82	0	2.03	-0.51	3.43	1.04	3.01	0.1
1898.....	42.9	-1.7	78	-6	3.89	+1.35	5.62	1.42	1.80	5.5	11	1915.....	45.0	+0.4	79	14	1.38	-1.16	3.19	0.44	2.00	T
1899.....	44.9	+0.3	75	12	2.08	-0.51	3.65	0.63	1.92	T.	6	1916.....	45.0	+0.4	83	9	2.19	-0.35	4.60	1.03	2.48	0.1
1900.....	47.7	+3.1	81	4	2.97	+0.43	6.52	1.08	3.38	1.0	8	1917.....	41.3	-3.3	76	-1	0.58	-1.96	1.33	0.07	0.95	1.7
1901.....	39.2	-5.4	76	4	2.68	+0.14	5.20	1.43	3.65	2.2	5	1918.....	44.9	+0.3	74	13	1.44	-1.10	3.18	0.31	2.78	0.1
1902.....	50.9	+6.3	80	11	3.11	+0.57	5.40	1.84	2.40	0.3	8	1919.....	45.7	+1.1	81	11	3.30	+0.76	4.72	1.67	2.56	0.1
1903.....	41.0	-1.3	82	1	1.19	-1.35	2.60	0.56	1.33	0.7	5	1920.....	44.7	+0.1	76	3	4.09	+1.55	7.88	2.69	2.83	0.7
1904.....	41.9	-2.7	72	11	1.68	-0.86	2.88	0.29	2.10	2.7	4	1921.....	46.9	+2.3	82	15	4.30	+1.76	6.59	2.57	2.10	0.1
1905.....	43.3	-1.3	77	10	1.28	-1.26	3.40	0.16	2.14	0.1	6	1922.....	46.3	+1.7	75	14	0.66	-1.88	1.27	0.40	0.85	0.4
1906.....	45.3	+0.7	78	15	1.50	-1.04	2.98	0.63	1.62	0.9	5	1923.....	44.0	-0.6	68	12	2.63	+0.09	4.38	1.65	1.72	0.2
1907.....	45.1	-1.5	70	10	5.33	+2.79	8.45	3.30	3.69	0.9	11	1924.....	44.7	+0.1	79	10	1.84	-0.70	2.79	1.22	2.02	1.6
1908.....	44.7	+0.1	77	-3	0.99	-1.65	1.90	0.37	1.15	3.7	3	1925.....	43.2	-1.4	74	6	3.10	+0.56	4.84	2.22	2.60	0.3
1909.....	49.2	+4.6	85	11	2.28	-1.26	2.87	0.21	1.99	1.0	6	1926.....	43.3	-1.3	78	7	4.36	+1.82	7.54	2.19	4.00	0.1
1910.....	40.2	-4.4	76	2	2.09	-0.45	4.72	0.67	2.40	3.1	7	1927.....	49.9	+5.3	79	9	2.85	+0.31	5.20	1.54	3.06	0.3
1911.....	42.6	-2.0	82	6	4.13	+1.59	8.85	1.87	2.00	0.4	10	1928.....	50.0	-0.1	50	10	2.85	-0.01	5.20	1.54	3.06	0.3

Daily Temperatures for November, 1927

Stations	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	Mean
<i>Maryland</i>																																
Annapolis.....	70	66	66	54	55	51	45	43	52	51	61	70	60	59	64	66	65	63	44	45	48	67	65	66	61	52	74	59	71	70.....	59.4	
	49	50	52	40	39	36	32	34	38	36	42	51	55	32	47	52	56	44	30	27	30	42	52	51	48	36	48	51	50	50.....	42.7	
Baltimore (U. S. W. B.).....	72	72	64	51	54	45	45	43	49	48	66	73	50	58	69	70	51	43	46	48	69	73	71	55	58	72	63	74	72.....	59.7		
Bell.....	73	71	68	53	50	45	41	39	48	46	69	55	61	72	69	69	63	39	41	46	68	70	71	67	66	72	65	70	70.....	43.4		
Bell.....	39	43	46	38	31	30	27	27	36	26	38	52	28	21	48	48	62	39	23	17	20	42	48	47	45	27	46	49	48	54.....	59.9	
Boys.....	74	73	67	50	51	48	45	39	49	48	74	68	53	59	71	73	69	63	41	43	47	67	71	73	67	57	73	66	72	70.....	60.7	
Boys.....	42	45	43	38	36	31	27	30	35	38	37	52	27	24	49	52	61	37	27	20	28	39	44	52	43	28	46	50	66	73	69.....	39.1
Cambridge (near).....	75	76	68	57	57	52	44	42	50	51	67	73	61	64	73	75	72	68	44	44	46	50	66	73	69	68	70	67	69	71.....	62.3	
Cambridge (near).....	46	53	54	41	40	38	35	36	37	34	45	41	38	45	55	62	63	43	35	31	28	44	49	50	48	35	45	51	52	53.....	43.7	
Cecilton.....	77	77	66	56	57	45	44	42	50	53	69	70	56	64	74	71	72	70	43	42	46	66	65	71	63	57	69	63	71	71.....	61.5	
Cecilton.....	45	47	56	38	36	33	31	32	32	42	53	33	27	47	55	62	42	31	27	29	40	47	53	47	34	45	50	49	52.....	41.7		
Cheltenham.....	75	75	69	54	54	50	44	40	48	48	73	72	55	63	73	72	66	42	43	49	62	74	73	67	57	75	69	72	71.....	62.3		
Chewsville.....	44	47	46	38	32	32	25	30	37	29	48	55	33	25	44	52	63	40	28	21	42	48	51	43	28	45	54	51	54.....	40.2		
Chewsville.....	73	72	68	45	46	41	35	45	48	74	65	56	58	68	72	68	60	38	42	40	66	67	66	54	56	67	63	72	68.....	57.9		
Clear Spring.....	44	56	38	36	31	32	28	27	29	28	41	49	27	30	50	58	59	36	26	18	38	51	52	44	29	52	50	49	51.....	39.5		
Clear Spring.....	73	69	64	46	44	42	36	41	37	36	42	53	39	35	50	56	61	45	36	30	27	44	47	45	33	45	50	53	55.....	59.1		
Coleman.....	47	51	39	35	31	25	23	29	35	31	40	44	28	31	37	58	56	30	27	21	29	40	47	50	46	26	45	46	48	45.....	38.8	
Coleman.....	75	75	68	52	54	45	44	41	49	46	66	59	56	61	71	69	72	67	44	43	45	65	65	70	70	68	63	70	72.....	60.4		
College Park.....	49	52	52	38	36	32	30	33	32	44	52	37	33	50	54	61	43	32	28	30	42	42	53	47	36	47	49	48	53.....	42.7		
College Park.....	76	75	69	52	49	43	41	50	49	74	69	55	63	74	70	66	39	45	49	65	65	73	69	58	72	70	74	71.....	62.0			
Crisfield.....	44	47	46	38	32	32	25	30	38	28	37	47	28	24	48	49	63	39	27	20	22	40	49	49	44	28	43	51	49	55.....	38.9	
Crisfield.....	75	77	70	65	55	52	49	42	52	59	69	61	67	72	75	73	68	47	44	42	50	60	68	64	61	56	64	67	69.....	62.0		
Cumberland.....	43	48	44	39	35	33	31	31	34	40	71	54	55	60	74	76	70	37	34	30	39	40	56	55	45	30	30	56	51	46.....	37.8	
Cumberland.....	74	73	67	53	51	45	43	40	47	47	69	70	53	60	70	68	63	40	43	42	66	72	66	58	55	68	63	70	72.....	58.8		
Darlington.....	45	51	51	37	34	33	27	28	32	28	40	43	32	22	45	54	55	40	28	23	22	38	44	50	45	34	40	45	47	46.....	38.4	
Easton.....	78	77	72	54	55	46	44	41	51	52	69	73	51	65	74	75	73	67	42	44	50	66	72	70	66	57	71	72	70.....	62.1		
Elkton.....	55	57	62	44	42	39	37	36	41	47	42	49	51	67	72	73	63	54	43	45	52	45	50	42	33	47	52	49	51.....	41.0		
Emmitsburg.....	73	79	64	46	44	42	39	34	32	31	29	33	30	42	42	30	25	23	22	30	34	40	46	55	65	65	69	75	75.....	57.9		
Emmitsburg.....	52	55	40	36	34	31	29	31	33	39	47	52	30	32	30	34	35	25	20	30	37	50	54	44	35	47	48	48	51.....	40.7		
Fallston.....	74	73	63	48	51	43	43	40	46	46	67	63	53	59	64	64	65	30	39	40	43	65	72	66	58	63	70	72	70.....	58.1		
Ferry Landing.....	46	49	45	35	35	32	32	27	28	31	40	47	33	29	47	54	57	37	25	28	38	47	52	44	36	44	47	48	48.....	39.3		
Frederick.....	74	74	65	49	50	44	43	37	45	49	67	65	53	58	70	73	70	65	40	43	50	67	73	72	66	57	61	54.....	40.2			
Frederick.....	45	49	44	39	35	34	31	32	34	31	38	49	33	27	45	52	60	30	27	29	38	45	53	46	33	47	52	50	47.....	40.3		
Friendsville.....	73	73	55	38	34	36	32	32	32	37	40	65	69	65	68	66	68	63	39	36	40	48	53	60	59	61	61	61.....	54.7			
Frostburg.....	42	48	32	31	29	23	20	26	31	31	32	55	40	23	23	33	44	52	39	33	39	41	54	57	63	50	53	56.....	36.6			
Grantsville.....	73	75	67	47	39	39	36	37	41	53	65	68	48	52	71	65	66	40	34	30	45	65	66	67	64	68	70	68	70.....	55.6		
Grantsville.....	43	45	34	33	31	30	29	25	30	31	40	45	30	24	25	25	25	20	15	20	25	40	56	58	58	56	60	69	69.....	52.2		
Great Falls.....	74	74	71	63	53	49	43	49	50	50	69	75	69	70	75	76	71	64	43	43	49	72	75	68	58	74	66	71	70.....	61.7		
Great Falls.....	44	46	40	39	34	31	27	32	37	38	40	52	29	25	49	50	62	40	25	18	21	40	49	49	43	28	48	53	46	47.....	40.0	
Hancock (Tonawaway).....	76	69	69	46	46	41	41	34	47	53	75	61	52	62	73	78	73	63	44	44	47	72	77	70	64	61	69	73	73.....	59.3		
Keedysville.....	76	75	68	48	49	43	43	36	47	49	74	65	52	59	71	74	68	61	41	43	41	70	76	72	67	57	72	72.....	59.8			
Laurel.....	46	52	41	37	30	29	29	25	30	35	40	51	31	35	50	57	60	36	20	26	20	46	50	53	46	30	46	53	49.....	40.4		
Laurel.....	73	73	61	53	52	46	43	39	47	47	70	71	54	59	70	71	64	40	43	46	66	73	70	67	57	72	72	70.....	60.3			
Lutherville.....	74	73	68	48	48	46	44	40	49	46	70	71	56	53	71	73	70	63	45	42	44	71	78	70	67	52	74	74.....	37.5			
Maryland Line.....	72	71	63	43	47	41	41	36	41	45	72	66	50	56	68	64	61	38	40	38	47	68	65	63	67	63	67	67.....	56.8			
Millington.....	76	77	66	56	55	48	48	44	42	51	52	69	72																			