CLIMATOLOGICAL DATA

MARYLAND AND DELAWARE SECTION

J. R. WEEKS

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Vol. XLVII BALTIMORE, MD., YEAR 1943

15

No. 13

GENERAL SUMMARY

This year was moderately warm and sunny, but deficient in precipitation and snowfall.

Annual mean temperatures were mostly above normal, except below normal in Garrett County. April was cold; December was moderately cold; September, October, and November were cool; January and March were slightly mild; February and May were mild; July was seasonably warm; August was warm; and June was the warmest such month of record.

The summer of 1943 was as warm as the summer of 1900 and they were the warmest summers since 1872; it was the second driest summer of record, the driest summer being 1930.

Annual precipitation averaged 0.8 of normal. Totals were between 30 and 40 inches in the eastern and central divisions and between 22 and 30 inches in western Maryland, except 30 to 44 inches in Garrett County. The least was 21.85 inches at Luke and the greatest was 44.40 inches at Oakland. Precipitation was below normal in January, February, March, and April, above normal in November, and light in December. Rainfall was abundant in May and well above normal in October. June, July, August, and September were dry. August was the second driest such month of record and the driest month of the summer.

A drought prevailed generally from June 19 to September 30 and damaged growing crops 30 to 50%. Underground water supply was replenished by the heavy rains of October 25-28. Feed and hay were fed livestock during August, September, and October, due to lack of pasturage.

Annual snowfall was slightly below normal in the northern counties from Garrett to Harford and well below normal over the remainder of the section, and averaged 75% of normal. Totals ranged from 3.3 inches at Crisfield to 69.9 inches at Oakland. Snowfall was light in January and April, very light in February, October, November, and December, but 1.6 times the normal in March.

Annual sunshine was 5% above normal. Sunshine was deficient in January and October, below normal in May, normal in July, and above normal in March, April, and September. February, June, August, November, and December were sunny.

Yields of early and late potatoes were poor; of truck crops, poor to fair; of wheat, rye, barley, and oats, poor to good; of corn, peas, and tobacco, fair to good. The early string bean crop was heavy. The cherry, raspberry, blackberry, and early —J. B., jr.

hay crops were good. The strawberry, peach, pear, apple, and late hay crops were short. The early tomato crop was good to fine in quality and good to heavy in yields generally. Late tomatoes were small, but fair to good in yields.

Thundergusts of April 13 blew down a few small buildings north of Seaford and damaged some small boats at Sharptown on the Nanticoke River.

There was a mild tornado northeast of Salisbury on April 13; some small buildings were moved from their foundations and some trees were broken off. On November 8 a mild tornado occurred 20 miles northwest of downtown Washington and caused property damage of \$6,000, while another mild tornado occurred 10 miles southeast of downtown Washington, moved 8 miles to the north-northeast, and caused property damage of \$12,000 to \$15,000.

Heavy hail fell on May 28 in central Harford County over an area 5 to 7 miles wide and 20 miles long; crops, gardens, and tree fruits were damaged slightly, but considerable window glass was broken. Hailstones were 1 to 2 inches in diameter in the Churchville neighborhood.

In January westerly gusts of gale force caused some minor property damage locally on the 17th; snowfall was heavy in Garrett County on the 26th; snowfall was heavy in western Maryland and Frederick County, 2 to 4 inches of sleet fell in the northern portion of the central and eastern divisions, and a heavy freezing rain, producing a thick ice coat, fell over the southern portion of the section on the 28th; trees and wires were damaged and 421 telephone lines and 2,700 telephone stations were put out of service in southern Maryland. In February a cold wave prevailed during the 14-16th and a very warm period during the 19-24th. In March snowfall was heavy in the Frostburg-Mt. Savage Summit area on the 6th, in northeastern Carroll and northern Baltimore Counties on the 13th, and in the Snow Hill area and from the northern Prince Georges County-District of Columbia-eastern Montgomery County area northeastward into southern Baltimore County during the 21st-22d. In April freezing temperatures of the 4th destroyed an average of 75% of the early peach and early pear blossoms on the Eastern Shore, of the 16th destroyed some early peach and early pear blossoms in north-central Maryland, and of the 23d and 24th destroyed many early peach, early pear, and early strawberry blossoms in the central and western divisions; a northeast heavy rain and high wind storm prevailed on the 19th. February and March were windy: April was unusually windy. In June daily temperatures were high or very high for the season, except cool during the 8-10th and on the 30th. Frost in the Allegheny Mountain highlands on July 1 damaged tender vegetation. There were many pleasant days in September. Heavy rains fell during September 30-October 1 in the eastern and central divisions, heavy showers during October 15-16 in western Maryland and the Piedmont Plateau, and heavy rains during October 24-28 over the section. December 14-18 and 23d-25th were severely cold. The severe cold of December 14-18 produced ice on ponds, streams, and rivers, and on the estuaries of Chesapeake Bav. which continued to the close of the month. There was little oystering during the second half of December, because of the severe cold and the ice. Sunday, December 26, was featured by glaze, or an icestorm, due to rain freezing as it fell, and by heavy rain; many traffic and pedestrian accidents resulted. (49)

	KIL	LING E	ROSTS 1943		
Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
			Maryland (cont'd.)		
Maryland			Mt. Savage Summit Oakland Ocean City	May 5 May 5 Apr. 16	Sept. 18 Sept. 11 Nov. 14
Aberdeen	Apr. 16 Apr. 16	Nov. 12 Nov. 12	Oxford	Apr. 16 Apr. 16	Nov. 15 Nov. 12
Baltimore	Apr. 16	Nov. 14	Picardy	May 2	Oct. 5
Bell	May 2	Oct. 11	Pleasant Hill	May 2	Oct. 11
Beltsville	May 2	Oct. 11	Pocomoke City	Apr. 16	Nov. 14
Blackwater	May 2	Nov. 15	Prettyboy Dam	May 2	Oct. 11
Cambridge	May 2	Nov. 15	Princess Anne	May 2	Nov. 5
Charlotte Hall	May 2	Nov. 12	Ridgely	May 2	Nov. 12
Cheltenham	May 2	Oct. 21	Rock Hall	May 2	Nov. 14
Chestertown	Apr. 16	Nov. 12	Salisbury	May 2	Nov. 5
Chewsville	May 5	Oct. 4	Silver Spring	Apr. 16	Nov. 5
Coleman	Apr. 16	Nov. 12	Sines	May 5	Sept. 11
College Park	May 2	Oct. 21	Snow Hill	May 2	Nov. 5
Conowingo Dam	Apr. 16	Oct. 11	Solomons	Apr. 16	Nov. 17
Crisfield Cumberland	Apr. 16 May 2	Nov. 17 Oct. 5	State Sanatorium	Apr. 16 Apr. 16	Nov. 5 Nov. 5
Dundalk	Apr. 16	Nov. 17	Takoma		Oct. 4
Easton	May 2	Nov. 14	Towson	May 5 Apr. 16	Nov. 10
Elkton	May 2	Oct. 11	Unionville	May 5	Oct. 5
Emmitsburg	Apr. 16	Nov. 5	Western Port	May 2	Oct. 5
Fallston	May 2	Nov. 10	Westminster	May 2	Oct. 11
Ferry Landing	May 2	Nov. 12	Woodstock	May 2	Oct. 5
Fort George G. Meade.	May 2	Nov. 5			
Frederick	May 5	Oct. 5			
Friendsville	May 5	Sept. 18	District of Columbia		
Frostburg	May 2	Sept. 18	-		
Georgetown	May 2	Nov. 12	Washington, D. C	Apr. 16.	Nov. 12
Germantown	May 2	Nov. 5			
Grantsville	May 5	Sept. 12	Delaware		
Great Falls	May 2	Nov. 5			
Hancock	May 5	Oct. 4	Bridgeville	May 2	Oct. 6
Huntingtown	May 2	Nov10	Delaware City	Apr. 16	Nov. 12
Keedysville La Plata	May 5 May 2	Oct. 4 Oct. 21	Dover	Apr. 16 May 2	Nov. 12 Nov. 5
Laurel		Oct. 21 Oct. 18	Milford Millsboro	May 2 May 2	Oct. 6
Maryland Line	May 2 May 2	Oct. 18	Newark	May 2 May 2	Oct. 11
Millington	May 2	Nov. 5	Wilmington	Apr. 16	Nov. 10
ALIMIE COU	may 2	1.04. 9		Apr. 10	1.07. 10
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CONDENSED SUMMARY OF CLIMATOLOGICAL DATA 1943

	T	empera	ture			Precipit	ation	Numb	er of d	ays	tion	
Months	Mean	Departure from the normal	Highest	Lowest	Average	Departure from the normal	Greatest in 24 bours	Snowfall	With 0.01 inch or more of precipitation	Clear Partly cloudy	Cloudy	Prevailing direction
anuary ebruary farch pril day une uly uly tugust eptember Otober Ovember	34.0 36.1 42.8 48.6 64.6 76.6 75.5 75.6 65.9 54.3 44.1 34.4	+0.8 +2.9 +0.2 -3.6 +1.8 +5.7 +0.2 +2.1 -1.8 -2.0 -1.1 -1.0	79 75 84 86 95 100 98 102 99 86 76	-5 -15 -6 5 17 41 35 38 25 19 10 -15	2.95 2.01 3.59 3.23 4.67 2.75 2.48 1.40 1.84 5.22 3.02 1.43	-0. 40 -0. 98 -0. 04 -0. 28 +1. 15 -1. 22 -1. 82 -3. 13 -1. 45 +2. 14 +0. 47 -1. 71	2.00 1.50 1.90 2.40 3.41 3.96 2.68 3.10 3.15 4.52 3.92 2.02	8.3 2.1 7.8 0.4 T. 0.0 0.0 0.0 0.0 T. 0.4	11 9 12 11 14 8 10 6 6 9 6 5	9 9 13 7 14 7 11 10 9 13 18 8 14 11 18 8 16 7 13 6 14 10 16 8	9 4 6 5 7 12	ne. nw nw nw sw. sw. s. s. n. nw nw

ERRATA, Climatological Data for 1943

January 1943.—Page 2: State Sanatorium, the temperature departure from the normal should be -0.3; Picardy, the precipitation departure from the normal should be +0.98.

May 1943.—Page 18: Pleasant Hill, the precipitation departure from normal should be +1.30.

July 1943.—Page 26: Tonoloway, the temperature departure from normal should be -0.2.

September 1943.—Page 34: Ridgely, the precipitation departure from normal should be -0.47.

ERRATA-continued

October 1943.—Page 38: Aberdeen, the mean temperature should be 52.6 and the departure from normal should be -3.3; Prettyboy Dam, the temperature departure from normal should be -2.7

December 1943.—Page 46: Newark, the mean temperature should be 33.3.

Monthly issues, October 1941 to March 1944, inclusive.— Climatological Data tables: Maryland Line, the county should be Baltimore.

COMPARATIVE DATA FOR THE YEAR

		FOR	MAR	YLAN	D		[]		FOR	DELAV	VARE	
	54.0 100 -18 53.5 102 -12 54.8 109 -22 55.4 102 -22 55.0 106 -18 52.5 106 -18 53.5 104 -17 53.5 100 -12 53.5 100 -12 53.5 100 -12 53.5 100 -12 53.5 100 -12 53.5 100 -12 53.7 101 -15 52.0 99 -29 54.5 101 -15 52.0 99 -29 54.5 101 -5 54.5 102 -28 55.9 102 -8 53.1 102 -48 55.9 102 -8 53.1 102 -8 53.1 102 -30 53.1 101 -11 51.2 102 -32 53.7 109 -30 53.7 109 -30 55.5 109 -30 55.5 102 -55 56.5 102 -55 56.5 102 -55 54.9 100 -55 54.9 100 -55 56.5 102 -55 54.9 100 -55 54.9 100 -55 54.9 100 -55 54.9 100 -55 54.9 100 -55 54.9 100 -55 54.9 100 -55 54.9 100 -55 54.9 100 -55 54.9 100 -55 54.8 102 -9			Pre	cipita	tion	Te	mpera	ture	Pre	cipita	tion
Year	Mean	Highest	Lowest	Average	Average snowfall	No. of days with :01 in. or more	Mean	Highest	Lowest	Average	Average snowfall	No. of days with .01 in. or more
1895 1896 1897 1898 1899 1900 1902 1902 1904 1904 1905 1906 1907 1908 1909 1909 1909 1909 1909 1910 1911 1911 1911 1911 1912 1913 1914 1915 1918 1919 1920 1921 1922 1922 1922 1922 1922	54. 0 54. 8 8 55. 0 6 54. 8 8 55. 2 6 56.	100 102 109 102 106 106 104 100 102 104 101 199 102 102 102 102 103 101 109 109 109 109 109 109 109 109 109	-18 -13 -12 -20 -21 -20 -21 -3 -20 -15 -40 -6 -6 -11 -32 -20 -15 -11 -32 -20 -21 -20 -21 -20 -21 -20 -21 -20 -20 -21 -20 -20 -20 -20 -20 -20 -20 -20 -20 -20	34. 67 36. 99 32. 74 40. 99 40. 15 63 88. 75 44 78 88. 82 88. 75 44 69 49 11 44 12 5 88. 52 64 88. 75 88. 7	31. 2 2 5. 2 6 124.8 7 2 6 5. 3 7 1 6 1 5 2 6 124.8 7 3 7 1 6 1 5 2 6 124.8 7 3 7 1 6 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	91 90 108 109 98 88 99 105 106 106 107 108 109 119 110 101 101 101 101 101	53. 8 55. 0 55. 0 55. 2 55. 4 55. 8 55. 7 55. 2 55. 9 55. 9 55. 9 55. 9 55. 9 55. 9 55. 9 55. 9 55. 9 56. 9 56	101 103 97 99 91 100 104 104 104 104 106 98 96 102 99 91 100 107 105 90 102 110 101 100 100 100 100 100 100 10	-4 0 3 0 3 0 -14 3 1 1 6 -1 -10 -6 6 -4 12 0 0 15 5 -7 -10 0 1 4 1 -15 -7 -7 -14 -7 7 7 -14 -7 7 -14 -7 7 -14 -7 7 -14 -7 7 -14 -7 7 -14 -7 7 -14 -7 7 -14 -7 7 -14 -7 7 7 -14 -7 7 7 -14 -7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 -14 -7 7 7 7 7 -14 -7 7 7 7 7 -14 -7 7 7 7 7 -14 -7 7 7 7 7 -14 -7 7 7 7 7 7 -14 -7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	37. 13 40.98 144.119 38.141.19 38.141.19 38.141.19 38.141.19 38.151.19 38.50 948.76 14.50 94.50 94.87 14.50 94.87 14.50 94.87 14.50 94.87 14.50 94.87 14.50 95.50	13. 1 14. 5 10. 7 42. 5 22. 5 8. 3 24. 6 11. 3 31. 7 27. 7 11. 1 21. 3 25. 5 15. 3 34. 1	95 96 96 83 81 199 97 96 108 108 109 99 99 90 98 103 107 85 108 110 105 100 108 112 110 110 120 114 114 114 129 118 119 119 119 110 110 110 110 110
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	**.	Harford Carlot Carlot																		
				Cempe	rature	, degrees	Fahre	nheit				ecipitati	on			А		•		пo
Stations	Counties	Elevation, feet	e 0	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year		Month	Least monthly	Month	Total snowfall		Number of clear days	Number of partly cloudy days	Number of cloudy days	Prevailing direction of wind
Maryland Aberdeen. Annapolis Baltimore (U.S.W. B.) Beltsville Baltimore (U.S.W. B.) Beltsville Baltimore (U.S.W. B.) Beltsville Blackwater Cambridge. 3† mi. W. Charlotte Hall Cheltenham Chewsville Colennan Chewsville Colennan College Park Conowingo Dam Crisfield Cumberland Dundalk Easton Edgemont Elkton Elkton Erry Landing Fort George G. Meade Frery Landing Fort George G. Meade Frederick Friendsville Frostburg Georgetown Gernantown Grantsville Great Falls Hancock Huntingtown Keedysville La Plata Laurel Luke Maryland Line Millington Mr. Savage Summit St. Oakland Ocean City Oxford Perry Point Picardy Picardy Picardy Picardy Picardy Silver Spring Sines (Deep Creek) Snow Hill Solmons State Sanatorium Takoma Towson Unionville Western Port We	Anne Arundel Prince Georgesdododo St. Marys Prince GeorgesKentWashington Kent Prince Georges Harford Somerset Allegany Baltimore TalbotWashington Cecil Frederick Harford CalvertAnne Arundel Frederick GarrettMontgomery GarrettMontgomery Washington CalvertWashington CalvertMontgomery GarrettMontgomery Washington CalvertWashington CalvertWashington CalvertWashington CalvertWashington CharlesPrince Georges Allegany Baltimore KentGarrettdoWorcester TalbotCeoil Allegany Baltimore Worcester Talbot Cecil Allegany Baltimore Worcester SomersetCarolineKentWicomico Montgomery Garrett Woroester Calvert Frederick Monigomery Garrett Woroester Calvert Frederick Monigomery Garrett Woroester Calvert Frederick Monigomery Washington Baltimore Frederick Allegany Carroll Washington Baltimore SussexMew CastleKentGoMex CastleMoM	144 151 151 120 20 20 20 110 111 15 15 16 17 17 17 10 110 110 110 110 110 110 110	788	55.6.9 56.6.9 56.6.8 56.8 5	94 99 99 100 95 97 101 99 98 96 96 101 97 98 101 99 96	June 4 Aug. 10† Aug. 10† Aug. 10 Aug. 14 Sept. 2 June 26 Aug. 14 Aug. 14 Aug. 14 Aug. 12† Sept. 1 Aug. 14 June 25 July 18 Aug. 10† Aug. 10† Aug. 10† Aug. 10† Aug. 11	6 6 6 -1	Feb. 15 Feb. 15 Feb. 15 Feb. 15 Dec. 16 Feb. 15 Feb. 15 Feb. 15	703 23 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	29. 00 36. 75 35. 04 28. 21 29. 43 31. 47 36. 57 33. 39 25. 93 34. 34 34. 34 26. 21 34. 93 35. 23 40. 92 37. 44 98. 38. 64 38. 99 34. 22	4.39 6.29 5.25 4.57 5.66 4.77 5.08 5.13 4.86 7.06 6.7 7.35 6.47 7.35 6.08	Oct. Oct. Oct. Oct. May May Oct. Oct. Oct. Oct. Oct. Oct. Oct. Oct.	0. 19 0. 19 0. 19 0. 19 0. 19 0. 19 0. 19 0. 10 0. 86 0. 74 0. 26 0. 26 0. 26 0. 26 0. 26 0. 26 0. 26 0. 26 0. 26 0. 26 0. 26 0. 26 0. 26 0. 27 1. 10 0. 27 1. 27	Aug. Aug. Aug. Aug. Aug. Aug. Aug. Aug.	12.6 19.8 16.2 	98 92 103 112 100 104. 103 125 111 79 104 115 98 96 99 101	137 118 146 199 202 194 115 180 152 179 139 153 184 171 113 211	100 123 114 98 95 93 146 86 143 81 120 97 106 82 130 80	122 128 124 105 106 688 688 78 106 106 115 668 80 149 99 107 107 99 107 107 107 107 107 107 107 107 107 107	nw.
trict of Columbia For Delaware For entire section				54.8 55.1 54.4	102 100 102	Aug. 14 Aug. 14 Aug. 14	-15 0 -15	Feb. 16† Feb. 16 Feb. 16†		34.05 38.48 34.59	8. 11 7. 71 8. 11	Oct. Oct. Oct.	0.04 0.25 0.04	Sept. Sept. Sept.	20.7 11.5 19.6	107 106 107	160 188 165	108 93 104	97 84 96	nw nw nw

[†]Also on other dates. Post Office addresses of these stations are as follows: Of Bell, Glenndale; of Blackwater, Cambridge; of Coleman, Worton; of Fallston, Bagley; of Ferry Landing, Owings: of Great Falls, Bethesda; of Mt. Savage Summit. Frostburg; of Picardy, Paw Paw, W. Va.; of Pleasant Hill, Owings Mills; of Pretty boy Dam, Parkton; of Sines, Oakland; of Tonoloway, Hancock. †2 miles northwest of Frostburg.
*Determined from surrounding stations. †2 miles northwest of Frostburg.
*Municipal Bldg.
**Municipal Bldg.
**More Porter Reservoir.
**Municipal Bldg.
**Municipa

*Determined from surrounding stations.

	Mon	thly and	Annual I	Precipitat	ion for th	e Year I	943	with 1	Departu	es from	the Norm	al	,	
	January	Februar	March	April	May	June	J	uly	August	Septemb	or October	November	December	Annual
Stations	Precipitation Departure	Precipitation Departure	Precipitation Departure	Precipitation Departure	Precipitation Departure	Precipitation Departure	Precipitation	Departure	Precipitation Departure	Precipitation Departure	Precipitation Departure	Precipitation Departure	Precipitation Departure	Precipitation Departure
Maryland Aberdeen	2.97 -0.1 2.95 -0.6 3.53 +0.0	4 1.76 -1.3 2.06 -1.3 2.08 -1.3	25 2.86 -0.66 17 3.16 -0.66 31 4.38 +0.67	1 2.970.8 3 2.621.0 7 2.560.7	8 4.55 +1.6 8 2.95 -0.5 8 4.76 +1.2	0 3.34 -0.1 9 1.45 -2.8 2 1.29 -2.5	13 2.54 37 2.61 99 4.95	-1.60 -1.92 $+0.31$	1.29 - 3.66 0.19 - 4.7 0.86 - 3.5	0.90 -2. 3.83 +0. 1.84 -1.	66 5. 46 +2. 7 17 4. 39 +1. 2 18 6. 29 +3. 4		1.57 -1.59 1.08 -2.46 1.44 -1.93	34. 18 -5: 29. 00 -15. 36. 75 -5.
Sell. Seltsville Slackwater Ambridge, 3½ miles west. Charlotte Hall Cheltenham Chestertown Densylle	2.88 2.30-1.2 1.96-1.3	7 2.36 —0.4 2.57 8 2.64 —0.4 1 2.14 —1. 9 2.37 —0.6 8 2.19 —0.9	3.46	2.65 3.04 -0.6 4 2.89 -0.9 3.16 -0.6	4.06 3.14 2.95 -0.3 4.40 +0.9 5.38 +1.9	3.09 2.03 2.20 -1.6 3.2.78 -0.7	1.25 0.45 8 0.90 5 2.59	-3.34* -2.89	1.44 0.26 0.25 -4.89 0.58 -2.96 0.68 -4.01	2.92 1.75 *2.25 -0. 1.43 -1. 4.90 +1.	4. 57 5.66 8. 4. 77 +1.1 5. 5. 84 +2. 7 6. 5. 32 +2. 4	3.72 -2.66 1.70	1. 66 1. 44 - 1. 94 1. 87 - 0. 92	28. 21 29. 43 —13. 31. 47 —9.
Chestertown Chewsville Coleman College Park Conowingo Dam Crisfield Cumberland Cundalk Saston Cdgemont	2.80 +0.1 2.80 -0.7 2.29 -0.8	2 0.83 -1. 2 0.83 -1. 3 2.19 -1.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3.39 +0.30 3.39 +0.30 2.60 -0.74 3.13 -0.23	1 0.44 + 5.5 1 4.50 + 1.1 1 4.98 + 1.4 3 4.44 + 1.3	7 2.34 -1.7 4 1.72 -2.1 7 2.20 -1.8	8 1.76 6 3.39 2 2.65	-1.32 -1.25 -1.57	1. 53 -2.27 0. 62 -3. 75 0. 07 -4. 64	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1.31 -1.03 1.79 -0.16 1.2.33 -0.28 1.2.45 -0.11	1.10 -2.46 0.92 -1.79 1.47 -1.90 2.50 -0.66	26. 21 -9. 34. 98 -7. 33. 64 -7.
Emmitsburg, 2½ mi. sw Fallston Ferry Landing	2.52 -0.8 2.99 -0.5 2.68 -0.6	9 1.52 -1. 9 1.64 -1. 4 1.71 -1.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	2*1.67 -2.9 2.12-1.9 5 2.51-1.7	4 *1.65 8 2.01 4 0.82	-2.46 -2.15 -4.13	1. 16 — 4. 02 0. 43 — 4. 57	*0. 41 —3. 0. 61 —3. 1 2. 41 —0. 1	7 6.08 +2.5 4 6.72 +3.3 3 5.82 +2.8	5. 72 +1. 21 5. 02 +2. 33 6. 4. 41 +1. 66 7. 3. 06 +0. 67	*1. 31 —2. 16 1. 45 —2. 15 1. 75 —1. 35	34. 22 -9. 36. 59 -7. 33. 22 -9.
rederick riendsville rostburg eorgetown ermantown rautsville reat Falls tancock untingtown eedysville a Plata	3.91 +0.5 3.15		5 2.42 -1.56 4 4.42 +1.21	3, 03 -0.19	5.26 + 1.2 4.24 + 1.0	3. 00 2.71 -1. 7 3. 3. 34 -0. 5	4 4.16 6 3.27	+0.13	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3. 65 +0. 0. 13 -2.	4 2.95 +0.0 7 3.73 +0.8 0 5.57 +2.4			
eedysville	2.45 -0.9	100 -0.0	0 00 70.00	0. 14 -0. 4	0.44	2.00 -1.0	1.05	-2.04	1 00	0.04	0.00 72.0	1 70 71.09	1.04 - 2.0	21. 85 37. 87 — 6. 37. 45 — 5.
xiorq	1.99	2. 42	. 3. 32	2. 49	4. 40	2, 00	1.01		0. 15	1.70	0.00	1. 91	2. 02 —1. 90 0. 71 1. 47	44. 40 —1. 33. 98 29. 26
erry Point ieardy leasant Hill ocomoke City rettyboy Dam rincess Anne idgely ock Hall alisbury llver Spring ines (Deep Creek)	3. 09 —0. 3 2. 43 —0. 7 *2. 63 —0. 4 2. 64 —0. 7 3. 48 +0. 1 2. 82 4. 15 +0. 4	5 1.66 — 0.6 8 2.78 — 0.6 5 *2.51 — 0.6 2 2.16 — 0.6 6 2.86 — 0.6 1.88	77 3.49 -0.32 99 3.01 -0.83 88*4.33+0.84 100 3.87+0.25 17 2.96 -0.92 14.11	2 90 -0.48 2 82 -0.69 2 79 -0.58 2 79 -0.78 3 09 -0.15 3 09 -0.15	4.75 +1.13 4.00 +0.8 4.22 +0.96 2.45 -0.75 4.16 +1.06 4.62 4.20 -0.16	3 1.78 -1.4 1 44 -2.5 1 1.73 -2.0 4 02 +0.3 2 03 -1.6 3 99 1 1.96 -2.7	9 2, 72 7 1, 66 6 3, 34 7 1, 17 9 0, 88 1, 99 9 4, 99	-0.92 -2.49 -1.03 -3.23 -3.08 +0.89	0.84 —4.05 3.28 —2.02 0.11 —4.81 0.52 —4.31 3.84 —1.89 2.51 4.02 +0.39	0.67 -3.0 3.67 +0. 2.65 -0. 1.89 -1. 4.21 +0. 4.25	9 7.57 +3.9 7 6.11 +3.0 7 4.96 +1.9 3 4.84 +1.9 8 6.18 +2.9 5.22 6 2.31 -0.7	5 4,08 +1.02 1,32 -1.04 5 3,71 +1.11 3,10 +0.40 5 1,29 -1.32 4,76	1.57 -1.38 1.21 -2.14 1.57 -1.69 1.43 -1.89 1.26 -2.16 1.50	35. 12 -6. 33. 73 -8. 34. 55 -6. 30. 88 -10. 35. 74 -6. 40. 74
ulisbury liver Spring. nes (Deep Creek) now Hill lomons. ate Sanatorium kkoma noloway owson. nionville estern Port estminister lilliamsport	3, 25 +0.0 3, 06 +0.2 2, 59 -0.8 3, 19 -0.2 3, 27 +0.7 3, 56 +0.1 2, 29	5 3. 92 +0.6 4 2. 91 +0.5 2 1. 84 -1.6 2 . 02 -0.6 8 0. 58 -1.7 1 . 83 -1.6 1 . 45	44 3.94 +0.46 12 3.09 -0.23 12 3.29 -0.21 13 4.25 +0.72 13 2.60 -0.77 14 20 +0.74 3.55	3. 25 +0. 18 3. 14 +0. 16 3. 79 +0. 27 2. 82 -0. 59 2. 82 -0. 67 2. 87 -0. 65 3.00	4. 22 +1. 5 4. 92 +2. 0 6. 31 +2. 1 5. 14 +1. 9 6. 02 +2. 6 4. 88 +1. 6 3. 37	$egin{array}{cccccccccccccccccccccccccccccccccccc$	0 3.75 1 1.16 4 2.63 9 1.83 3 1.54 9 3.22 . 1.74	+0.15 -2.97 -1.39 -2.20 -1.75 -1.11	3. 01 —1. 75 0. 99 —3. 22 1. 07 —3. 29 —1. 93 1. 17 —2. 64 1. 52 —3. 32 1. 34	6.25 +3.4 3.28 +0.0 0.56 -3.0 5.10 +1.9 0.13 -2.1 0.84 -2.3	5 5.79 +2.7 4 6.38 +3.9 4 5.87 +2.8 9 5.46 +2.8 9 4.22 +1.1 1 5.48 +2.8 7.02	5 2.22 -0.22 9 1.25 -0.59 6 4.69 +2.10 8 5.16 +2.90 1.85 -0.15 6 3.96 +1.27 4.38	1, 72 -2. 03 1, 62 -1. 10 1, 35 -1. 83 1, 25 -2, 17 1, 10 -1. 56 1, 54 -1. 76 1, 34	48. 73 +4. 85. 03 -0. 85. 77 -7. 41. 26 +1. 27. 59 -10. 36. 18 -5. 32. 29
oodstock	2. 91 -0. 3 2. 87 -0. 6	2.35 —0.5 2.02 —1.5	7 3.53 +0.21 5 4.31 +0.56	2. 37 —0. 95 3. 30 +0. 08	7.32 +4.0 4.04 +0.3	2. 25 -1. 7 2. 43 -1. 7	3 2.05 0 1.46	-2.15 -3.25	1.32 - 3.17 $0.74 - 3.27$	0.94 -2.5 2.88 -0.1	5.28 + 2.4 $64.29 + 1.4$	3.89 + 1.44 4.23 + 1.86	1. 18 -2. 05 1. 54 -1. 78	35. 39 -4. 34. 11 -8.
Delaware ridgeville elaware City over illford illsboro ewark(Pumping Station) ewark(University Farm) ilm'n. (Municipal Bldg.) ilm'n. (Porter Reservoir) or Maryland and Dior Maryland and Dior	2.55 -0.96 2.80 -0.13 3.32 0.00 3.26 -0.46 3.38 -0.16 2.90 -0.36 2.66 -0.6	7 2.02 -0.5 1.97 -0.8 2.13 -0.9 3.49 +0.2 5.2.97 -0.3 6.2.12 -1.0 2.03 -1.1 2.04 -1	4.50 + 0.64 77 3.13 - 0.04 83 3.88 - 0.04 90 4.67 + 0.44 4.47 + 0.41 7.3.85 + 0.32 6 3.74 + 0.21 7 3.45 - 0.04	2.97 -0.33 3.76 +0.62 3.49 -0.03 3.95 +0.33 2.90 -0.72 3.55 -0.06 3.42 -0.19	2. 89 -0. 51 5. 36 +2. 43 8. 45 0. 00 8. 40 +0. 13 5. 58 +2. 08 6. 73 +3 23 6. 51 +3 23	1. 77 -2. 1 2. 4.09 +0.5 3. 6.99 +3.3 2. 76 -1.0 3. 96 +0.0 1. 77 -2. 1 4. 09 +3.3 3. 23 -0.7 2. 76 -1.0 6. 38 +2.5 6. 19 +2.4 3. 96 +0.0	2.66 4 2.10 5 2.07 9 2.76 2 3.10 9 3.29 0 3.63 3 2 46	-2.27 -1.96 -2.40 -1.78 -1.43 -1.47 -1.13 -2.58	0. 77 — 3. 87 2. 39 — 1. 87 0. 85 — 3. 81 0. 59 — 4. 38 1. 72 — 3. 65 1. 47 — 3. 23 1. 40 — 3. 30 1. 39 — 3. 50	2.55 -0.6 1.35 -1.9 2.42 -1.6 4.14 +1.3 4.65 +1.6 0.25 -3.5 0.28 -3.5 0.27 -3	4. 09 +0.92 5. 71 +2.94 5. 64 +2.63 6. 68 +3.44 6. 51 +3.37 7. 71 +4.7 4. 7. 38 +4.8 7. 5. 98 +2.8	1.87 — 0.57 3.66 + 1.27 3.287 — 0.24 2.29 — 0.46 2.16 — 0.49 3.52 + 1.00 3.49 + 0.97 3.70 + 0.81	1.78—1.57 1.45—1.62 1.93—1.61 1.48—2.49 1.49—2.37 1.70—1.92 1.45—2.17	30.64 —11. 87.77 —0. 38.54 —4. 39.97 —10. 89.51 —4. 42.82 —0. 42.85 —0. 87.34 —6.
ilm'n. (Porter Reservoir) or Maryland and Dis- trict of Columbia or Delaware or entire section	2. 73 —0. 76 2. 95 —0. 36 2. 92 —0. 6: 2. 95 —0. 40	1. 88 -1. 2 1. 96 -1. 6 2. 36 -0. 9 2. 01 -0. 9	3 2.76 -0.75 0 3.56 -0.03 2 3.81 -0.05 8 3.59 -0.04	3. 56 +0. 14 3. 20 -0. 31 3. 46 -0. 07 3. 23 -0. 28	6.18 +2.94 4.65 +1.11 4.84 +1.42 4.67 +1.11	4.05 +0.1 2.52 -1.4 4.38 +0.5 2.75 -1.2	2 3.87 7 2.42 5 2.88 2 2.48	-1.17 -1.84 -1.82 -1.82	1.12 -3.77 1.42 -3.05 1.30 -3.62 1.40 -3.13	1. 85 -1. 4 1. 79 -1. 4 1. 84 -1.	9 6. 20 +3.0 3 5.08 +2.0 8 6. 21 +3.0 5 5. 22 +2.1	3.54 +0.65 3.03 +0.50 2.96 +0.26 3.02 +0.47	1.45 —2.28 1.41 —1.71 1.57 —1.80 1.43 —1.71	37. 79 —6. 34. 05 —7. 38. 48 —5. 34. 59 —7.
	Stati		mental Ta	1	nthly an ar. Apr.	1	ne Ju		tion for t ug. Sept.	1	1943 ov. Dec.	Year		
Barstow Beltsvill Boonsbe College Herefor Point I	lis (U.S.N. (Dorothy le (J. B. Storo (SCS) Park (SCS) dt (E. A. M	A.) L. Bowen) epherd) arsh)	1. 42 1. 91 3. 33 2. 62 2. 34	1.26 3 1.24 3 2.03 4 1.61 3	. 08	1.52 1. 3.07 4.21 3. 3.97 1. 4.79 3. 5.95 2. 4.78 1.	46 2. 25 1. 35 06 1. 07 2. 70	. 61 · 0 0 · 0 1 1 1 	. 19 2. 18 . 88 1.67 . 45 2. 99 . 32 1. 11 . 55 2. 69 . 53 1. 31 	3. 81 3. 52 7. 54 6. 56	1. 88 0. 99 3. 81 1. 41 3. 03 1. 15 4. 94 1. 58 3. 84 1. 39 1. 14 1. 40	22. 69 		

		mont	піх	and 4	nnı	1al M	ean	remi	erat	ures	or th	пе х	ear 1	943	with	Dep	artu	res fr	om t	Te N	orm	a.1				
	Janu	ary	Febr	uary	Ma	reh	Aı	ril	M	ay	Ju	ne	Ju	ly	Aug	gust	Septe	mber	Oct	ober	Nove	mber	Dece	mber	Anı	ıual
Stations	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Maryland																							1	<u> </u>		
berdeen nnapolis altimore (U.S.W.B.) ell ell eltsville lackwater ambridge. 3½ mi. w harlotte Hall hestertown heltenham hestertown hewsville oleman ollege Park onowingo Dam risfield umdalk laston elkton mitsburg. 2½ mi. sw allston erry Landing ort George G. Meade rederick riendsville rostburg. elorgetown iermantown irantsville irent Falls intingtown teedysville a. Plata aurel flaryland Line fillington fliston fliston elevisylle a. Plata aurel flaryland Line fillington fliston elevisylle a. Plata aurel fliston flis	34.0 (35.8) (36.0) (37.1) (36.1) (37.	+1.2 +0.9 +2.0 +2.0 +0.4 +0.4 +0.8 +1.5 +2.0 +0.1 +1.5 +2.0 +0.1 +1.5 +2.0 +0.1 +1.5 +2.0 +0.1 +1.5 +2.0 +0.1 +1.5 +1.5 +2.0 +0.1 +1.5 +1.5 +1.5 +1.5 +1.5 +1.5 +1.5 +1	36. 8 4 4 36. 2 4 36. 4 4 4 6 1 37. 7 38. 1 37. 6 6 *8 39. 1 37. 7 39. 1	+1.9 +3.4 +1.2 +1.7 +1.7 +1.7 +2.6 +0.5 +0.5 +1.8 +2.7 +2.2 +2.7 +2.2 +3.4 +2.7 +2.2 +3.4 +2.7 +2.3 +3.4 +2.7 +3.4 +2.7 +3.4 +2.7 +3.4 +3.4 +3.4 +2.7 +3.4 +3.4 +3.4 +3.4 +3.4 +3.4 +3.4 +3.4	44. 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	+0.1 +0.9 +0.6 -2.5 +0.6 -2.5 +0.6 -2.5 +1.4 -0.1 +0.6 +0.6 +1.7 +1.6 +0.4 +0.1 +1.7 +1.6 +0.4 +0.1 +1.7 +1.6 +0.4 +0.1 +1.7 +1.6 +0.4 +0.1 +1.7 +1.6 +0.4 +0.4 +0.1 +1.7 +1.6 +0.4 +0.4 +0.4 +0.4 +0.4 +0.4 +0.4 +0.4	48. 8	-3.0	64. 66. 88 65. 66. 66. 66. 66. 66. 66. 66. 66. 66.	+0.6 4 +3.0 +2.2 +3.1 +2.1 +2.3 +2.6 +2.1 +2.3 +2.6 +2.1 +2.3 +2.6 +2.1 +2.3 +2.6 +2.1 +2.3 +3.1 +2.5 +2.0 +2.1 +2.3 +3.1 +2.5 +2.0 +2.1 +2.1 +2.1 +2.1 +2.1 +2.1 +2.1 +2.1	79. 2 2 7. 7. 8. 7. 7. 7. 8. 7. 7. 7. 8. 7. 7. 7. 8. 7. 7. 7. 8. 7. 7. 7. 8. 7. 7. 7. 8. 7. 7. 7. 8. 8. 8. 9. 9. 7. 7. 7. 8. 8. 8. 9. 9. 7. 7. 8. 8. 8. 9. 9. 7. 7. 8. 8. 8. 9. 9. 7. 7. 8. 8. 8. 9. 9. 7. 7. 9. 8. 8. 9. 9. 7. 7. 9. 9. 8. 9. 9. 7. 7. 9. 9. 9. 9. 7. 7. 9. 9. 9. 9. 7. 7. 9. 9. 9. 9. 7. 7. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	+5.1 3 3 4.8 1.4 1.5 1.6 1.6 1.7 1.7 1.7 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	78. 7. 75. 6. 8. 76. 76. 76. 76. 76. 76. 76. 76. 76. 76	+1.2 -0.6 -0.5 -0.5 -0.6 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5 -0.5	76. 8 79. 1 76. 3 77. 6 76. 3 77. 6 77. 6 77. 6 77. 6 77. 6 77. 73. 4 77. 73. 4 77. 8 77.	+0.9 +0.9 +0.9 +0.9 +0.9 +0.9 +0.9 +0.9	67. 8. 8 4 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	-2.3 -2.7 -2.7 -2.7 -2.7 -2.7 -2.7 -2.7 -2.7	56. 68 6 6 54. 66 65 54. 66 65 54. 66 65 55. 67.21 66 86 62 62 62 62 62 62 62 62 62 62 62 62 62	-1.7 -1.6 -0.3 -1.2 -1.7 -1.6 -0.3 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2 -1.2	45. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	+0.1-1.6 -0.1.6 -0.1.7	37, 34, 2 35, 8, 36, 4 36, 8, 36, 8 36, 8, 36, 8 37, 8, 36, 8 38, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	0.0.1.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	56.6 6 6 6 5 6 6 6 6 6 6 6 7 6 6 7 6 7 6 6 7 6 7	++::-+-++:+++:+++:
For Maryland and Dis- trict of Columbia For Delaware For entire section										3 +1.8 9 +1.7 5 +1.8																

^{*}Determined from surrounding stations.

(WBO, Richmond, Va., 6-30-44-1,500)