

U. S. DEPARTMENT OF COMMERCE

SINCLAIR WEEKS, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

LOCAL CLIMATOLOGICAL DATA

WITH COMPARATIVE DATA

1952

WILMINGTON, DELAWARE



CHATTANOOGA: 1953

NARRATIVE CLIMATOLOGICAL SUMMARY

Delaware is part of the Atlantic Coastal Plain consisting mainly of flat low land with many marshes. Wilmington, at the northern end of the state, marks the beginning of low rolling hills extending northward into Pennsylvania. The Delaware River and the Delaware Bay extend along the entire eastern side of the state while the broad Chesapeake Bay is twenty-five miles, or less, from the western boundary of the state. These large water areas modify the climate of Delaware to a considerable extent.

The climate of northern Delaware when considered "all the year round" can well be described as mild and favorable for agricultural and manufacturing interests. Winters are seldom severe. January is the coldest month with an average temperature of 33.3 degrees. Zero temperatures are infrequent. Since 1894 only 35 days with zero or below have been recorded in the Wilmington area. The average date of the first snowfall is December 6th and the average annual snowfall is 22.5 inches. As a rule snow does not remain on the ground more than a few days. The average number of days with a maximum of 32 degrees or below is 17. Spring comes early in Delaware. The average date of the last killing freeze is April 17th. The average maximum temperature for March and April is 53.0 and 63.2 degrees respectively. The average date of the first killing freeze is October 22nd. Considering the latitude of northern Delaware, the growing season of 187 days is remarkably long.

The warmest month of the year is July with an average temperature of 75.9 degrees, an average maximum temperature of 86.7 and an average minimum of 65.0 degrees. During the past fifty one years there have been nine days with a temperature of 100 degrees or over. The average number of days 90 degrees or over is 20. The proximity of large water areas and southerly winds blowing along the eastern

slope of the Appalachian mountains cause the relative humidity to be quite high during all seasons of the year. During the summer months the average relative humidity is 76%. Air-mass thunderstorms are frequent during the summer months, usually occurring during the late afternoon of hot humid days bringing welcome relief. A feature of the summer weather is the cooling southeasterly afternoon "ocean breeze" from the Delaware River and the Delaware Bay. Prevailing winds are from the NW.

The average number of days with heavy fog is 53. Heavy fogs usually occur during every month of the year, however the maximum number occur during the Fall and Winter seasons. Light SE winds blowing up the Delaware Bay favor the formation of heavy fog.

The average annual precipitation of 44.50 inches is remarkably uniform throughout the year. August is the wettest month averaging 5.28 inches while February with 2.98 is the driest month. Long droughts are uncommon. Tropical hurricanes moving northward along the Atlantic Coast occasionally cause heavy rain in northern Delaware but winds seldom reach hurricane force. There is almost a complete freedom from tornadoes. Strong easterly and southeasterly winds occasionally cause high tides resulting in the flooding of lowlands.

The Weather Bureau Office located at the New Castle County Airport is situated in level country sloping gently to the Delaware River, three miles to the east, and to a swamp two miles to the west. The instrument shelter is over sod, the immediate terrain slopes gently to the north. There are no obstructions to the wind instruments. The exposure of all instruments is considered good.

LATITUDE 39° 40' N
LONGITUDE 75° 36' W
ELEVATION (Ground) 73 feet

METEOROLOGICAL DATA FOR THE CURRENT YEAR

WILMINGTON, DELAWARE
NEW CASTLE COUNTY AIRPORT
1952

Month	Temperature							Degree days	Precipitation							Relative humidity				Wind				Percent of possible sunshine	Average sky cover sunrise to sunset	Number of days											
	Averages			Extremes					Total	Greatest in 24 hrs.	Date	Snow, Sleet, Hail			1:30 a.m. EST	7:30 a.m. EST	1:30 p.m. EST	7:30 p.m. EST	Average hourly speed	Prevailing direction	Fastest mile					Sunrise to sunset			Precipitation .01 inch or more	Snow, Sleet, Hail 1.0 or more	Thunderstorms	Heavy fog	Max. temp.		Min. temp.		
	Daily maximum	Daily minimum	Monthly	Highest	Date	Lowest	Date					Total	Greatest in 24 hrs.	Date							Speed	Direction	Date			Clear	Partly cloudy	Cloudy					90° and above	32° and below	32° and below	Zero and below	
Jan.	45.0	29.0	37.0	61	26	9	30	862	5.09	1.93	26	4.0	3.5	4	78	78	63	73	8.6	NW	27	SSE	22		6.4	9	6	16	15	1	0	5	0	2	23	0	
Feb.	45.7	29.4	37.6	54	11	18	15	789	2.73	1.90	3-4	T	T	9	71	70	48	61	9.5	NW	37	NW	11		5.8	7	13	9	6	0	1	2	0	0	23	0	
Mar.	48.8	32.2	40.5	72	21	20	2	751	5.35	1.61	19	6.8	5.5	1	77	79	58	68	10.5	NW	43	SSE	11		6.7	7	9	15	14	2	2	1	0	0	15	0	
Apr.	64.0	45.2	54.6	83	23+	36	10	309	5.57	1.16	5	0	0		77	75	53	67	10.0	WNW	30	SSE	5		6.9	7	9	14	12	0	1	1	0	0	0	0	
May	71.4	50.6	61.0	84	28	39	3	140	4.61	2.01	25	0	0		74	72	52	59	8.9	NW	27	WSW	15		6.7	6	11	14	15	0	4	5	0	0	0	0	
June	84.4	62.4	73.4	99	26	51	3	8	2.52	1.86	31-1	0	0		80	74	52	66	8.0	NW	37	NW	19		5.9	8	10	12	8	0	5	1	9	0	0	0	0
July	89.5	67.3	78.4	98	23	50	2	0	7.40	6.24	8-9	0	0		86	78	51	68	6.7	NW	23	SSE	8		5.1	10	12	9	8	0	11	3	17	0	0	0	0
Aug.	83.7	64.8	74.3	90	5	48	24	4	3.09	1.90	6	0	0		90	87	62	76	6.8	S	23	SSW	16		6.7	7	8	16	11	0	7	5	1	0	0	0	0
Sept.	79.1	55.7	67.4	95	13	46	28	32	3.12	1.73	1	0	0		90	88	51	74	6.1	NW	30	SE	1		4.1	15	7	8	8	0	2	5	3	0	0	0	0
Oct.	65.1	39.6	52.4	86	2	26	21	391	.46	.35	2	0	0		82	81	44	65	7.3	NW	35	WNW	2		3.9	16	8	7	5	0	1	7	0	0	5	0	0
Nov.	54.4	36.5	45.5	70	1	23	29	579	5.40	2.18	21-22	2.0	2.0	29-30	80	80	58	73	7.6	WNW	27	E	21		6.7	6	8	16	11	1	1	7	0	0	11	0	
Dec.	44.5	30.3	37.4	58	10	15	28	848	3.61	1.30	10-11	2.8	1.3	31	75	79	62	70	8.8	WNW	29	SSE	5		6.5	7	9	15	11	2	0	2	0	1	18	0	0
Year	64.6	45.3	55.0	99	June 26	9	Jan. 30	4713	48.95	6.24	July 8-9	15.6	5.5	Mar. 1	80	78	55	68	8.2	NW	43	SSE	Mar. 11		6.0	105	110	151	124	6	35	44	30	3	95	0	0

MEANS AND EXTREMES FOR PERIOD OF RECORD

Month	Temperature							Mean degree days	Precipitation										Relative humidity				Wind				Pct of poss. sunshine	Average sky cover sunrise to sunset	Mean number of days												
	Means			Extremes					Mean total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Snow, Sleet, Hail					Mean hourly speed	Prevailing direction	Fastest mile			Clear			Sunrise to sunset			Precipitation .01 inch or more	Snow, Sleet, Hail 1.0 or more	Thunderstorms	Heavy fog	Max. temp. $\geq 90^{\circ}$	Min. temp. $\leq 32^{\circ}$				
	Daily maximum	Daily minimum	Monthly	Record highest	Year	Record lowest	Year									Mean total	Maximum monthly	Year	Maximum in 24 hrs.	Year			Mean total	Maximum monthly	Year				Maximum in 24 hrs.	Year	Speed							Direction	Year	Partly cloudy	Cloudy
(a)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	5				5	5	5	5	5	5	5	5	5	5	5	5	5			
J	44.2	27.2	35.7	75	1950	2	1948	905	4.06	5.55	1949	1.97	1950	1.56	1948	4.9	13.0	1948	4.0	1948	76	77	62	72	8.4	NW	7.0	6	6	19	14	2	0	6	0	4	23	0			
F	43.8	26.5	35.1	74	1949	2	1948	844	4.13	4.18	1949	2.66	1948	1.90	1952	5.2	14.8	1948	9.7	1948	74	74	58	68	9.2	NW	6.4	6	6	9	13	10	1	*	4	0	3	21	0		
M	51.0	31.5	41.2	86	1948	10	1950	738	4.12	5.35	1952	3.00	1949	1.61	1952	1.7	6.8	1952	5.5	1952	74	75	54	65	10.7	NW	6.3	8	9	14	14	1	1	3	0	1	18	0			
A	62.0	41.0	51.5	83	1952+	23	1950	402	3.14	5.57	1952	1.81	1950	1.49	1948	T	T	1950	T	1950	76	73	51	63	9.5	WNW	6.7	6	9	15	11	0	2	2	0	0	3	0			
M	72.0	50.9	61.5	90	1948	37	1950	141	4.59	7.35	1948	3.32	1950	2.01	1952	0	0	0	0	0	84	78	56	69	8.2	NW	7.0	5	11	15	14	0	6	4	*	0	0	0			
J	82.0	60.7	71.4	99	1948	45	1950	13	3.09	5.25	1948	.98	1949	2.08	1948	0	0	0	0	0	86	80	55	71	8.3	SSE	6.2	7	10	13	10	0	6	3	5	0	0	0			
J	86.8	66.2	76.5	100	1949	50	1952	0	4.58	7.40	1952	1.15	1948	6.24	1952	0	0	0	0	0	89	82	55	72	7.1	NW	6.3	6	12	13	9	0	7	3	10	0	0	0			
A	84.1	63.6	73.9	99	1948	48	1952+	2	3.50	4.58	1948	3.05	1950	1.77	1951	T	T	1951	T	1951	91	86	57	75	6.2	S	6.1	8	10	13	10	0	7	7	5	0	0	0			
S	76.4	55.1	65.8	95	1952	38	1951+	67	3.26	7.06	1950	1.16	1951	2.29	1950	0	0	0	0	0	88	87	55	75	6.6	NW	5.7	10	7	13	9	0	2	4	1	0	0	0			
O	67.2	46.3	56.7	91	1951	26	1952	272	2.19	3.63	1949	.46	1952	1.48	1950	0	0	0	0	0	84	84	53	74	7.0	NW	5.5	11	7	13	8	0	1	5	*	0	2	0			
N	55.0	35.4	45.2	85	1950	17	1951	591	4.58	7.32	1951	1.15	1949	2.76	1950	0.6	2.0	1952	2.0	1952	80	82	56	71	8.4	NW	6.2	8	8	14	10	*	1	4	0	0	12	0			
D	44.7	27.8	36.2	71	1951	6	1951+	887	3.90	5.79	1951	1.95	1950	1.99	1948	3.3	6.6	1951	6.6	1951	76	78	60	71	8.0	NW	6.4	8	8	15	11	1	0	4	0	3	22	0			
Year	64.1	44.4	54.3	100	July 1949	2	Feb. 1948+	4862	44.14	7.40	July 1952	.98	June 1949	6.24	July 1952	15.7	14.8	Feb. 1948	9.7	Feb. 1948	82	80	56	71	8.1	NW	6.3	89	106	170	130	5	33	49	21	11	101	0			

REFERENCE NOTES

- (a) Length of record, years.
* Less than one half.
- No record.
+ Airport data.
+ City Office data.
+ Also on earlier dates, months, or years.
T Trace, an amount too small to measure.

Beginning with this issue new normals are being used for all first order stations. These are generally based on the 30 year record 1921 through 1950. Where 30 years of record are not available, normals are based on records of from 10 to 30 years adjusted to the 30 year period ending with 1950.

Unless otherwise indicated, dimensional units used in this bulletin are: temperature in degrees F.; precipitation and snowfall in inches; wind movement in miles per hour; and relative humidity in percent.

Sky cover is expressed in a range of 0 for no clouds or obstructions to 10 for complete sky cover. Degree days are based on daily average temperatures of 65° F. Sleet and hail have been included in snowfall totals since June 1948.

Data for earlier years may be obtained by contacting the Weather Bureau Office in the city

for which this summary was issued.

Heavy fog in the Means and Extremes Table includes data referred to at various times in the past as "Dense" or "Thick". The upper visibility limit for heavy fog is 1/4 mile.

Data entered in the column headed "Fastest Mile" in the first table are the fastest mile observed. This station is not equipped with automatic recording wind instruments.

Below zero temperatures are preceded by a minus sign.

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AVERAGE TEMPERATURE

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1900	33.4	33.0	37.6	53.8	63.6	74.7	79.5	79.0	72.3	62.2	49.4	34.7	56.1
1901	32.9	28.4	41.6	51.5	62.2	72.8	81.1	77.2	68.8	55.1	42.0	32.8	54.0
1902	30.2	29.2	44.5	54.6	64.0	72.1	76.6	72.7	67.4	58.9	51.6	34.4	54.6
1903	32.2	36.8	49.2	63.4	64.4	66.6	74.4	72.2	66.5	57.8	41.9	30.2	53.9
1904	26.1	25.4	40.6	47.0	64.0	70.2	75.0	73.2	66.0	53.2	42.2	28.2	50.9
1905	27.5	24.5	41.6	52.1	62.7	70.5	77.3	73.6	67.4	57.2	43.2	36.8	52.9
1906	37.2	31.7	36.4	54.0	63.4	73.4	75.4	76.1	71.8	57.0	46.9	36.6	55.0
1907	34.2	26.6	44.6	48.5	58.4	65.8	75.6	72.7	68.4	52.6	45.3	38.0	52.6
1908	33.8	29.8	44.0	53.5	63.4	71.4	76.8	72.0	66.3	58.4	44.2	35.8	54.1
1909	34.8	39.6	40.2	51.9	62.0	72.4	73.6	70.0	65.5	52.4	49.8	33.4	53.8
1910	34.4	36.7	47.8	57.4	65.0	70.3	78.5	72.3	66.2	56.2	39.2	27.2	54.3
1911	33.6	30.8	37.4	48.2	64.4	68.4	74.7	70.6	65.0	52.6	40.8	36.6	52.0
1912	28.4	34.7	40.8	55.0	65.8	72.2	76.8	74.4	70.8	61.0	48.7	39.0	55.6
1913	43.3	35.3	49.2	55.6	64.2	74.0	78.6	75.7	68.5	60.8	48.8	40.6	57.9
1914	36.3	30.4	39.4	53.3	68.2	74.2	76.1	76.8	68.4	61.6	46.8	33.6	55.5
1915	36.2	39.1	39.2	58.6	62.1	69.4	77.5	74.4	72.2	60.4	47.2	34.6	55.3
1916	38.2	32.5	36.6	52.8	66.4	69.6	76.8	75.0	68.4	56.7	44.4	32.4	54.0
1917	32.2	30.6	39.6	51.8	65.8	71.2	75.4	74.6	63.0	52.2	42.0	26.7	51.3
1918	21.4	31.5	44.0	51.8	66.8	74.1	78.8	74.2	64.2	59.7	45.6	40.2	53.7
1919	35.8	35.0	45.4	51.2	62.7	71.2	75.2	71.8	67.6	61.8	45.3	30.1	54.4
1920	25.2	29.6	41.8	50.0	58.2	69.8	73.1	73.4	67.8	60.2	43.9	36.9	52.5
1921	34.2	36.4	51.6	57.2	62.0	72.2	77.7	71.3	71.7	56.4	45.8	35.4	56.0
1922	29.1	36.2	43.6	53.3	65.2	73.4	75.0	72.6	68.8	58.4	45.3	34.0	54.6
1923	28.5	28.2	41.8	51.7	61.7	74.6	74.4	72.9	68.9	55.2	44.2	41.8	54.0
1924	33.9	31.2	40.4	49.2	58.1	68.2	73.2	73.4	63.8	57.0	44.2	34.4	52.2
1925	29.5	39.7	45.0	54.0	68.8	76.8	75.8	72.4	71.4	50.6	43.1	34.9	54.4
1926	31.6	32.3	37.2	48.9	61.1	66.5	74.5	74.0	66.3	54.9	43.4	30.6	51.8
1927	31.0	38.2	43.8	49.2	59.9	66.9	73.8	67.5	67.0	58.2	48.8	37.0	53.4
1928	33.8	33.8	40.4	48.8	60.1	68.9	75.5	76.0	64.0	57.8	47.3	37.4	53.6
1929	32.2	32.7	48.0	54.4	60.9	70.6	74.1	71.3	68.2	53.6	46.3	35.4	54.0
1930	33.4	37.8	42.4	49.9	64.7	73.0	76.7	73.9	72.3	53.8	45.2	34.2	54.8
1931	33.6	35.0	39.2	50.5	61.7	71.0	77.2	74.2	72.1	59.2	52.0	42.2	55.7
1932	44.2	38.3	37.6	50.2	62.0	70.7	75.0	74.6	68.8	57.6	44.1	36.4	55.0
1933	40.4	35.6	39.6	52.1	64.7	72.4	74.3	74.4	69.7	55.6	42.4	34.1	54.6
1934	36.2	20.2	38.0	51.0	64.2	74.0	77.4	71.3	68.8	54.0	48.0	34.4	53.1
1935	30.0	32.0	45.8	50.1	59.1	70.1	76.6	74.0	65.2	56.4	49.0	29.7	53.2
1936	28.2	25.0	46.8	49.6	65.0	70.8	75.9	75.8	68.8	57.5	43.0	38.3	53.7
1937	41.0	35.2	37.6	51.0	63.8	72.0	75.7	75.8	65.1	54.4	44.6	34.2	54.2
1938	32.8	36.4	45.0	54.1	60.9	74.4	75.9	76.5	66.0	57.6	47.8	35.8	54.8
1939	32.6	38.6	42.2	50.2	64.2	72.4	74.6	76.0	68.4	57.0	42.8	36.8	54.6
1940	22.9	33.0	36.4	46.8	61.2	70.3	75.4	70.8	64.8	52.1	44.8	39.0	51.5
1941	30.8	30.2	35.6	56.3	64.6	71.7	75.0	73.0	70.2	61.4	48.0	38.8	54.6
1942	31.0	30.7	43.8	54.8	65.9	74.4	75.4	72.6	67.9	57.4	46.2	31.3	54.0
1943	31.9	34.8	42.6	47.4	63.4	75.4	75.0	75.2	67.0	54.5	44.3	33.6	53.8
1944	34.4	34.2	39.8	50.0	67.3	77.7	75.8	74.7	71.2	55.2	45.6	31.6	54.2
1945	26.1	33.4	51.6	55.4	60.2	71.0	74.2	71.6	70.2	54.7	47.3	30.0	53.8
1946	34.2	35.0	40.4	50.2	61.6	67.4	73.4	69.6	68.4	59.1	47.8	37.4	54.5
1947	37.8	27.8	36.5	51.4	60.8	68.0	73.8	75.2	67.5	62.2	42.9	34.3	53.1
1948	25.5	31.0	43.4	51.0	61.4	70.6	75.7	73.6	66.8	54.2	49.4	36.3	53.2
1949	39.2	38.6	43.2	52.0	62.9	72.9	78.7	75.1	64.2	60.4	44.5	37.5	55.8
1950	42.7	33.6	37.6	48.3	60.1	69.7	74.0	72.5	63.4	57.6	45.0	32.4	53.1
1951	34.2	34.8	41.5	51.6	61.9	70.4	75.9	73.8	67.0	59.1	41.5	37.6	54.1
1952	37.0	37.6	40.5	54.6	61.0	73.4	78.4	74.3	67.4	52.4	45.5	37.4	55.0
Normal	33.3	33.7	42.5	51.8	62.8	71.8	75.9	73.8	68.0	56.2	45.5	35.1	54.2

TOTAL PRECIPITATION

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1900	3.34	4.87	2.46	2.35	2.61	5.47	4.70	2.81	3.25	2.21	2.02	2.55	38.64
1901	2.59	0.97	3.15	5.98	3.63	2.15	3.72	8.81	3.48	0.95	2.90	7.60	45.94
1902	3.81	5.01	3.81	4.63	1.35	5.15	3.95	2.58	4.62	7.50	2.71	5.97	51.09
1903	4.15	4.26	3.77	3.28	1.40	3.81	6.31	4.37	2.50	4.03	1.59	3.93	43.40
1904	3.63	2.10	3.01	1.85	2.02	4.43	4.67	5.09	7.14	3.11	1.90	1.80	40.75
1905	4.13	2.62	3.80	3.68	2.33	3.24	5.23	4.70	4.95	3.85	1.19	4.16	43.88
1906	2.42	2.54	4.70	4.01	2.74	4.98	7.73	10.70	0.80	5.13	2.53	5.18	53.46
1907	3.30	3.13	3.59	3.55	5.63	5.89	2.57	4.38	6.05	5.24	8.41	5.25	56.99
1908	3.53	4.35	2.49	2.43	5.95	1.78	6.54	3.96	3.18	1.56	1.06	3.79	40.62
1909	2.26	2.54	3.81	2.10	2.06	3.50	1.87	3.01	3.73	0.84	2.43	4.64	32.79
1910	4.07	1.20	1.35	3.88	1.93	6.84	5.42	4.69	3.93	3.29	3.62	2.53	42.75
1911	3.58	2.13	2.57	4.21	1.22	6.66	4.39	14.91	2.18	4.83	6.42	3.95	57.05
1912	2.12	3.21	8.17	3.28	3.90	2.65	5.80	1.78	8.10	3.38	4.01	5.06	51.44
1913	3.63	2.35	6.37	7.18	5.41	1.21	3.52	4.41	2.96	5.16	1.90	2.82	47.02
1914	4.04	2.81	2.19	3.92	1.11	1.59	7.60	3.15	0.65	2.09	1.72	5.83	36.70
1915	5.18	6.48	1.59	3.47	5.21	5.56	2.40	5.97	0.38	2.58	1.27	3.56	43.65
1916	1.85	3.38	3.87	2.52	2.32	4.55	6.86	0.46	2.18	1.69	2.16	5.23	37.07
1917	3.71	2.00	5.56	2.54	2.81	5.46	6.14	4.35	4.06	6.73	0.91	2.08	46.35
1918	4.55	1.42	2.24	4.73	2.98	3.19	1.37	2.45	3.37	0.88	1.53	3.89	32.70
1919	3.63	3.41	5.19	4.37	5.66	3.22	13.55	5.12	2.52	3.16	5.47	4.15	59.45
1920	2.73	3.35	4.35	4.54	3.57	5.78	5.12	9.62	5.85	0.45	4.48	4.43	54.27
1921	2.48	2.58	2.70	3.78	3.66	2.31	4.10	6.63	3.41	1.20	3.66	3.24	39.75
1922	2.88	3.42	5.35	1.50	2.72	4.87	3.68	3.37	1.26	1.40	0.63	3.23	34.31
1923	4.47	2.94	4.08	4.49	2.32	1.05	6.34	3.84	5.13	3.45	2.66	3.83	44.40
1924	4.25	4.42	3.00	5.33	5.90	7.38	3.40	4.46	5.61	0.06	2.03	2.36	48.20
1925	4.20	2.42	3.19	2.95	2.38	1.29	4.80	2.03	1.54	5.90	4.02	1.27	39.99
1926	3.42	4.09	2.04	1.76	2.98	2.50	8.17	2.88	5.70	3.62	3.56	3.25	43.97
1927	2.44	2.59	1.81	2.65	2.28	3.06	6.51	7.42	2.94	5.78	5.30	4.38	47.16
1928	2.62	4.51	2.32	5.47	2.61	7.39	6.88	8.97	4.74	1.32	1.45	2.64	50.92
1929	2.90	4.18	2.29	6.94	2.75	3.41	1.08	4.79	6.33	4.68	3.42	3.48	46.25
1930	3.36	3.04	2.71	1.75	3.13	2.09	2.72	1.86	5.45	1.14	1.80	2.50	31.55
1931	2.35	1.80	4.26	2.65	4.54	4.60	5.59	9.07	1.29	2.09	1.07	2.29	41.60
1932	6.02	2.15	6.87	1.48	4.02	4.91	1.55	3.50	2.97	6.21	7.14	3.18	50.00
1933	2.86	3.59	5.14	5.75	6.16	1.49	6.12	11.10	3.46	1.79	1.04	2.96	51.46
1934	2.83	2.83	3.60	4.00	4.16	4.78	4.52	5.33	6.98	1.64	4.38	2.45	47.50
1935	5.04	3.48	2.73	3.68	3.40	5.20	4.23	4.60	6.60	3.09	6.25	2.53	50.83
1936	7.45	2.72	5.97	2.98	2.90	3.39	2.71	7.01	3.47	3.11	0.78	5.46	47.95
1937	6.36	2.30	2.09	4.41	2.37	5.48	2.58	6.57	5.29	5.29	3.19	1.38	44.71
1938	2.40	2.52	2.41	2.02	4.05	8.37	6.94	5.24	8.10	1.91	2.80	3.48	50.24
1939	3.57	5.90	3.85	6.47	0.35	5.59	1.67	6.78	0.87	5.68	0.72	1.90	43.35
1940	1.51	2.87	5.64	6.47	4.88	2.04	1.87	5.33	2.99	2.67	4.58	2.62	43.47
1941	3.17	1.88	1.99	2.90	1.42	3.61	5.66	3.21	0.73	1.84	2.81	3.78	39.30
1942	2.89	2.67	5.60	1.12	2.49	2.41	9.05	9.54	2.14	3.98	3.08	4.37	43.24
1943	2.73	1.88	2.76	3.56	6.18	4.05	3.87	1.12	4.05	6.20	3.54	1.45	37.79
1944	3.39	2.00	6.02	5.20	2.31	5.06	1.31	3.53	6.58	2.14	4.60	3.35	45.49
1945	4.27	3.15	2.73	4.32	5.17	4.80	9.94	10.67	4.41	1.85	5.70	4.04	61.05
1946	1.76	1.85	3.29	3.88	7.12	6.42	4.76	6.26	3.81	2.11	1.38	2.25	43.09
1947	3.72	4.27	3.39	6.20	7.24	4.27	2.99	2.31	1.99	2.32	3.11	1.80	44.82
1948	4.05	2.66	3.76	3.07	7.35	5.52	1.13	4.58	1.87	1.95	4.82	5.25	45.06
1949	5.55	4.18	3.00	2.69	4.10	0.98	6.16	3.55	3.80	3.63	1.15	2.90	40.97
1950	1.97	3.11	4.74	1.81	3.32	2.45	4.35	3.05	7.06	2.46	4.22	1.95	40.49
1951	3.64	2.96	3.76	2.56	3.56	4.27	8.34	3.23	1.16	3.17	7.32	5.79	45.28
1952	5.09	2.73	5.35	5.57	4.61	2.52	7.40	3.09	3.12	0.46	5.40	3.81	44.50
Normal	3.56	2.98	3.61	3.64	3.81	4.02	4.49	5.28	3.80	2.99	3.33	2.99	48.50

MONTHLY AND SEASONAL SNOWFALL

WILMINGTON, DELAWARE
NEW CASTLE COUNTY AIRPORT
1952

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1899-1900	0	0	0	0	0	0.5	1.5	8.5	6.0	0	0	0	16.5
1900-1901	0	0	0	0	0	0.5	10.0	3.0	T	0	0	0	13.5
1901-1902	0	0	0	0	2.0	1.0	8.0	4.5	3.5	0	0	0	19.0
1902-1903	0	0	0	0	0	5.0	5.0	4.0	0	0	0	0	14.0
1903-1904	0	0	0	T	T	2.0	6.1	4.4	5.0	0	0	0	17.5
1904-1905	0	0	0	0	T	13.0	16.3	9.3	0.5	T	0	0	39.1
1905-1906	0	0	0	0	0	3.0	0.8	3.7	11.5	0	0	0	19.0
1906-1907	0	0	0	0	0.5	T	7.7	24.5	12.0	T	0	0	44.7
1907-1908	0	0	0	0	0	5.0	9.0	7.0	2.0	0	0	0	23.0
1908-1909	0	0	0	0	2.0	4.0	4.5	2.0	5.5	T	0	0	18.0
1909-1910	0	0	0	0	0.5	23.5	11.0	2.0	1.0	T	0	0	38.0
1910-1911	0	0	0	0	0	12.5	4.0	6.5	3.5	T	0	0	28.5
1911-1912	0	0	0	0	0	T	16.5	0.8	7.0	0	0	0	24.3
1912-1913	0	0	0	0	0.5	12.0	T	1.5	0	0	0	0	14.0
1913-1914	0	0	0	0	0	0	0.7	13.0	13.3	0	0	0	27.0
1914-1915	0	0	0	0	0	1.5	2.0	2.1	10.2	12.0	0	0	27.8
1915-1916	0	0	0	0	0	6.0	1.4	5.7	6.0	6.7	0	0	25.8
1916-1917	0	0	0	0	0	T	14.0	4.5	7.4	0.7	5.5	0	32.1
1917-1918	0	0	0	0	1.5	3.7	24.0	2.7	0	T	0	0	31.9
1918-1919	0	0	0	0	0	0.8	0.5	2.0	1.0	T	0	0	4.3
1919-1920	0	0	0	0	0	6.2	2.5	11.2	4.5	T	0	0	24.4
1920-1921	0	0	0	0	0	0.5	1.0	8.2	2.0	3.0	0	0	14.7
1921-1922	0	0	0	0	0	8.0	20.3	6.0	0.8	0	0	0	35.1
1922-1923	0	0	0	0	T	2.2	5.0	7.0	6.0	0.5	0	0	20.7
1923-1924	0	0	0	0	0	1.5	0.2	12.2	1.5	8.0	0	0	23.4
1924-1925	0	0	0	0	0.5	0.5	13.5	T	T	0	0	0	14.5
1925-1926	0	0	0	3.0	0.8	T	3.0	17.9	T	T	0	0	24.7
1926-1927	0	0	0	0	0	4.5	6.7	6.3	T	1.2	0	0	18.7
1927-1928	0	0	0	0	T	6.0	12.0	0.7	2.0	0.8	0	0	21.5
1928-1929	0	0	0	0	T	6.0	1.0	8.7	T	0	0	0	15.7

Season	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Total
1929-1930	0	0	0	0	0.2	2.5	7.0	1.5	T	T	0	0	11.2
1930-1931	0	0	0	0	T	1.2	1.0	0.5	3.0	0	0	0	5.7
1931-1932	0	0	0	0	0.5	T	1.0	7	7.0	T	0	0	8.5
1932-1933	0	0	0	0	T	13.0	T	13.0	4.0	0	0	0	30.0
1933-1934	0	0	0	0	0.5	5.5	T	26.2	12.5	T	0	0	44.7
1934-1935	0	0	0	T	T	0.2	27.0	7.4	1.0	T	0	0	35.6
1935-1936	0	0	0	0	0.8	14.5	4.7	11.0	T	T	0	0	31.0
1936-1937	0	0	0	0	T	0.5	T	5.0	7.5	T	0	0	13.0
1937-1938	0	0	0	T	T	1.0	3.5	3.0	T	0	0	0	7.5
1938-1939	0	0	0	0	8.5	0.3	12.0	T	2.5	T	0	0	23.3
1939-1940	0	0	0	0	T	1.5	4.7	8.1	2.8	2.5	0	0	19.6
1940-1941	0	0	0	2.0	T	5.0	5.5	6.6	9.0	0	0	0	28.1
1941-1942	0	0	0	0	0	T	3.5	2.3	2.2	0	0	0	8.0
1942-1943	0	0	0	0	0	5.0	5.1	1.0	8.0	T	0	0	19.1
1943-1944	0	0	0	0	T	0	2.5	3.7	9.5	1.0	0	0	16.7
1944-1945	0	0	0	0	T	4.9	7.0	6.5	0	0	0	0	18.4
1945-1946	0	0	0	0	T	10.5	1.0	2.0	0	0	0	0	13.5
1946-1947	0	0	0	0	0	0.5	4.3	13.5	2.2	0	0	0	20.5
1947-1948	0	0	0	0	T	6.0	13.0	14.8	1.6	0	0	0	35.4
1948-1949	0	0	0	0	0	6.4	4.2	10.1	T	0	0	0	20.7
1949-1950	0	0	0	0	T	T	0.6	0.4	T	T	0	0	1.0
1950-1951	0	0	0	0	0.8	0.7	2.6	0.7	T	0	0	0	4.8
1951-1952	0	0	0	0	T	6.6	4.0	T	6.8	0	0	0	17.4
1952-1953	0	0	0	0	2.0	2.8							

The horizontal lines drawn on the Average Temperature, Total Precipitation, Monthly and Seasonal Degree Days, and Monthly and Seasonal Snowfall tables separate the data according to station location (see Station Location table).

STATION LOCATION

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude	Longitude	Elevation above										REMARKS
						Sea level		Ground								
						Ground	Actual barometer elevation (H _a)	Wind instruments	Extreme thermometers	Psychrometer	Telepsychrometer	Tipping bucket rain gage	Weighing rain gage	8" rain gage		
COOPERATIVE STATIONS																
Wilmington, Delaware 6th & King Streets	4- 1-94	9-17-30	* 7-12-16	39° 45'N	75° 33'W									35' a.Gad		Ordinary thermometer exposed outside N window; Sept. '09 max. and min. in use; Ex- posure thermometers "poor".
Porter Reservoir Wilmington, Delaware	3- 1-12	Present	2 mi. NNE (1)	39° 46'N	75° 32'W	260			3'					3'		Home made shelter in use; C.R. shelter Sept. 1936, good ex- posure over sod. Pcpn. read- ings began 7-12-12.
Wilmington, Delaware 10th & King Streets	*7-12-16	Present	4 blocks NE (1)	39° 45'N	75° 33'W	99								47' a.Gad		Pcpn. observations only; Temperature obs. ending un- known; obs. by Street and Sewer Dept.
AIRPORT STATION																
Bellanca Field, New Castle, Delaware			6 mi. SSW (1)	39° 40'N	75° 36'W											Airway Observations telephone to Central Airport, Camden, New Jersey
DuPont Airport, Wilmington, Delaware	4-27-42 7-27-42	7-27-42 12- 8-42	3 mi NW (1)	39° 46'N	75° 36'W											One commissioned employee 9-7-42 to 12-8-42.
New Castle County Air- port, Wilmington, Del.	7-18-47	11- 6-47	5 mi. SSW (1)	39° 40'N	75° 36'W											Airway Obs. by County Tower employees. Ceiling, visibility and wind only.
New Castle County Air- port Wilmington, Del.	11- 7-47	12- 5-47	5 mi. SSW (1)	39° 40'N	75° 36'W	73	79	31	5	5				3		Temp. location in Administra- tion Bldg. pending completion permanent quarters 150 ft. to the NE. No barometer.
New Castle County Air- port Wilmington, Del.	12- 5-47	Present	5 mi. SSW (1)	39° 40'N	75° 36'W	73	80	34	5	5				3		Barometer readings started January 16, 1948.

* Exact day of move unknown.

(1) All distances are from first location.

(2) No observational records from locations 4 and 5 available at WBAS, Wilmington.

(3) Wilmington Post Office 1 block N from No. 3 location.

(4) Through December 1931, WBO Baltimore, the Section Center, combined the temperature records at Porter Reservoir and the precipitation records from location No. 3 into a Wilmington report. WBAS, Wilmington has used only data from location No. 1 and location No. 2 as official Wilmington data.

Data considered official for local records and for the Local Climatological Summary obtained as follows:

Location No. 1 - Temperature April 1894 - February 1912, Precipitation April 1894 - July, 1912.
Location No. 2 - Temperature March 1912 - December 1947, Precipitation July 1912 - December 1947.

Location No. 8 - All elements beginning January 1, 1948.