

U. S. DEPARTMENT OF COMMERCE

CHARLES SAWYER, Secretary

WEATHER BUREAU

F. W. REICHELDERFER, Chief

# LOCAL CLIMATOLOGICAL SUMMARY

WITH COMPARATIVE DATA

1950

WILMINGTON, DELAWARE

Compiled under the direction of

G. C. Anderson



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

# METEOROLOGICAL DATA FOR THE CURRENT YEAR

WILMINGTON, DELAWARE  
 1950

Month	Temperature							Degree days	Precipitation						Relative humidity				Wind				Number of days													
	Averages			Extremes					Total	Greatest in 24 hrs.	Date	Snow, Sleet, Hail			1:30 a. E.S.T.	7:30 a. E.S.T.	1:30 p. E.S.T.	7:30 p. E.S.T.	Average hourly speed	Prevailing direction	Fastest mile			Percent of possible sunshine	Average sky cover sunrise to sunset	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							1:30 a. E.S.T.	7:30 a. E.S.T.	1:30 p. E.S.T.			7:30 p. E.S.T.	Speed	Direction					Date	Clear	Partly cloudy	Cloudy
Jan.	52.6	32.8	42.7	75	26	17	20	682	1.97	0.80	30-31	0.6	0.4	19	76	81	62	70	7.4	SW	29	NW	7	6.1	3	4	24	17	0	0	6	0	1	17	0	
Feb.	40.9	26.3	33.6	52	12	10	21	872	3.11	0.79	14-15	0.4	0.4	1	71	73	59	69	8.7	NW	28	NW	20	7.3	5	6	17	12	0	0	3	0	4	20	0	
Mar.	47.6	27.6	37.6	73	28	10	3	841	4.74	1.30	22-23	T	T	2+	69	70	49	60	9.7	WNW	32	NW	2	6.0	9	8	14	16	0	1	4	0	1	21	0	
Apr.	59.3	37.2	48.3	80	4	23	14	494	1.81	0.67	27-28	T	T	13+	71	68	50	58	8.7	NW	25	NW	8	7.1	3	10	17	13	0	4	2	0	0	11	0	
May	69.6	50.5	60.1	85	6	37	9	163	3.32	0.91	28-29	0.0	0.0		87	81	62	77	7.4	ENE	23	WNW	7	7.5	3	8	20	15	0	7	2	0	0	0	0	
June	81.2	58.1	69.7	95	27	45	18	13	2.45	0.93	3-4	0.0	0.0		84	78	53	67	8.4	S	24	SSE	13	5.9	3	10	12	11	0	3	2	0	0	0	0	
July	84.5	63.4	74.0	94	31	56	23	0	4.35	1.79	9-10	0.0	0.0		91	82	55	70	6.3	WSW	30	SSW	5	7.1	3	9	17	12	0	7	3	0	0	0	0	
Aug.	83.0	62.0	72.5	93	29	54	22	2	3.05	1.26	30-31	0.0	0.0		91	85	55	75	6.0	S	19	SSE	19	6.0	3	12	12	9	0	9	3	0	0	0	0	
Sept.	71.9	54.8	63.4	89	1	38	25	114	7.06	2.29	10-11	0.0	0.0		91	89	66	81	6.1	S	21	NNW	4	8.0	3	5	22	9	0	3	4	0	0	0	0	
Oct.	68.2	47.0	57.6	84	2	29	27	232	2.46	1.48	22-23	0.0	0.0		91	90	58	80	6.3	S	31	NW	4	5.5	3	9	13	9	0	1	9	0	0	1	0	
Nov.	55.8	34.1	45.0	85	1	18	26	598	4.22	2.76	24-25	0.8	0.7	27-28	81	81	52	70	9.1	NW	46	SSE	25	6.1	7	11	12	9	0	1	1	0	0	17	0	
Dec.	41.0	23.8	32.4	68	3	6	27	1001	1.95	0.64	7	0.7	0.3	22+	72	75	58	69	8.5	NW	32	NNW	4	6.3	9	7	15	10	0	0	3	0	6	27	0	
Year	63.0	43.1	53.1	95	June 27	Dec 6	Dec 27	5012	40.49	2.76	Nov. 24-25	2.5	0.7	Nov. 27-28	81	79	57	71	7.7	NW	46	SSE	Nov. 25	6.8	73	97	195	142	0	36	53	13	12	114	0	

## MEANS AND EXTREMES FOR PERIOD OF RECORD

Month	Temperature							Mean degree days	Precipitation						Relative humidity				Wind				Mean number of days																		
	Means			Extremes					Mean total	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Snow, Sleet, Hail			1:30 a. E.S.T.	7:30 a. E.S.T.	1:30 p. E.S.T.	7:30 p. E.S.T.	Mean hourly speed	Prevailing direction	Fastest mile			Pct. of poss. sunshine	Average sky cover sunrise to sunset	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	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	Clear
(a) J	44.0	27.6	35.8	75	1950	2	1948	906	3.86	5.55	1949	1.97	1950	1.56	1948	5.9	13.0	1948	4.0	1948	76	77	63	72	8.2	NW				7.2	5	6	20	14	2	0	6	0	4	21	0
F	43.0	25.9	34.4	74	1949	2	1948	865	3.32	4.18	1949	2.66	1948	0.79	1950	8.4	14.8	1948	9.7	1948	75	76	62	71	9.0	WNW				6.7	5	8	15	12	1	0	5	0	4	21	0
M	51.7	31.1	41.4	86	1948	10	1950	741	3.83	4.74	1950	3.00	1949	1.30	1950	0.5	1.6	1948	1.6	1948	73	73	54	64	10.8	WNW				6.0	9	9	13	14	*	1	4	0	1	19	0
A	60.9	39.9	50.4	83	1949	23	1950	436	2.52	3.07	1948	1.81	1950	1.49	1948	T	T	1950	T	1950	75	72	52	61	9.5	NW				6.7	5	10	15	10	0	2	0	0	0	5	0
M	71.6	51.3	61.5	90	1948	37	1950	147	4.92	7.35	1948	3.32	1950	1.83	1948	0.0	0.0	0.0	0.0	0.0	87	82	60	74	8.3	SSE				7.3	3	12	16	14	0	7	4	*	0	0	0
J	81.8	60.2	71.1	95	1948+	45	1950	12	2.89	5.25	1948	0.98	1949	2.08	1948	0.0	0.0	0.0	0.0	0.0	87	81	55	71	8.8	SSE				6.2	7	11	12	10	0	6	2	9	0	0	
J	86.2	66.1	76.1	100	1949	46	1948+	0	3.89	6.16	1949	1.15	1948	2.32	1949	0.0	0.0	0.0	0.0	0.0	90	83	57	73	7.5	W				6.6	5	12	14	10	0	6	2	9	0	0	
A	84.2	63.3	73.7	99	1948	48	1949	3	3.73	4.58	1948	3.05	1950	1.48	1948	0.0	0.0	0.0	0.0	0.0	91	85	56	74	6.0	NW				5.9	8	10	13	10	0	7	6	6	0	0	
S	74.9	54.7	64.8	90	1948	38	1950	85	4.00	7.06	1950	1.87	1948	2.29	1950	0.0	0.0	0.0	0.0	0.0	87	87	58	76	6.5	NW				6.3	8	8	14	9	0	2	4	*	0	0	
O	67.3	47.4	57.4	86	1949	29	1948+	251	2.45	3.63	1949	1.25	1948	1.48	1950	0.0	0.0	0.0	0.0	0.0	85	86	57	76	6.6	NW				5.9	10	7	14	9	0	*	6	0	0	1	
N	56.5	36.1	46.3	85	1950	18	1950	560	3.40	4.82	1948	1.15	1949	2.76	1950	0.3	0.8	1950	0.7	1950	82	83	55	73	8.7	NW				5.8	8	10	12	10	0	1	4	0	0	11	
D	44.2	26.6	35.4	68	1950	6	1950	916	3.37	5.25	1948	1.95	1950	1.99	1948	2.4	6.4	1948	6.4	1948	76	78	59	70	7.5	NW				6.3	8	8	15	11	*	0	4	0	4	24	
Year	63.9	44.2	54.1	100	Jul. 1949	2	Jan. 1948+	4921	42.18	7.35	May 1948	0.98	June 1949	2.76	Nov. 1950	7.5	14.8	Feb. 1948	9.7	Feb. 1948	82	80	57	71	8.1	NW				6.4	81	111	173	133	3	32	52	20	13	02	0

### REFERENCE NOTES

(a) Length of record, years.

\* Less than one half.

- No record.

† Airport data.

‡ City Office data.

‡ Also on later dates, months, or years.

T Trace, an amount too small to measure.

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 based on 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 were included in snowfall totals, beginning with July 1948.

Data for earlier years may be obtained by contacting the Weather Bureau Office for which this summary was issued.

Heavy fog in the Means and Extremes Table also 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

## TOTAL PRECIPITATION

WILMINGTON, DELAWARE  
1950

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	An. 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	56.1	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	58.0	51.6	34.4	54.6
1903	33.2	36.8	49.2	53.4	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	36.8	55.0
1907	34.2	26.9	44.8	48.5	58.4	65.8	75.8	72.7	68.4	52.6	45.3	38.0	52.6
1908	33.8	29.8	40.0	53.5	63.4	71.4	76.8	72.0	66.3	58.4	44.3	35.8	54.1
1909	34.8	39.6	44.2	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	65.4	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	36.6	30.4	39.4	53.3	68.2	74.2	76.1	76.8	68.4	51.6	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	55.9
1916	38.2	32.5	36.6	52.8	66.4	69.6	76.8	75.0	66.4	56.7	44.4	32.4	54.0
1917	32.2	30.6	39.6	51.8	55.8	71.2	75.4	74.6	63.0	52.2	42.0	26.7	51.3
1918	21.4	31.5	44.0	61.8	66.8	68.8	74.1	76.8	64.2	58.7	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	72.8	68.5	58.4	45.3	34.0	54.8
1923	32.5	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	33.5	31.2	40.4	49.2	58.1	68.2	73.4	73.4	63.8	57.0	44.2	34.4	52.2
1925	29.9	39.7	45.0	64.0	58.8	76.8	75.8	72.4	71.4	50.6	43.1	34.0	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	48.6	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	71.1	71.3	68.2	53.6	46.3	35.4	54.0
1930	33.4	37.8	42.4	48.9	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	55.8	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	70.4	75.9	76.5	66.0	57.6	47.8	35.8	52.9
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	64.8	70.7	75.0	73.0	70.2	61.4	48.0	38.8	54.6
1942	31.0	30.7	43.8	54.8	65.6	71.4	75.4	72.6	67.9	57.4	46.2	31.3	54.0
1943	31.9	34.8	42.8	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	38.9	50.0	67.3	71.7	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	74.6	70.2	54.7	47.3	30.0	53.8
1946	34.2	35.0	50.4	50.2	61.6	67.4	73.4	69.6	58.4	59.1	47.8	37.4	54.5
1947	37.8	27.8	36.5	51.4	60.9	68.0	73.8	75.2	67.5	62.2	42.9	33.4	53.1
1948	25.5	31.0	43.4	51.0	61.4	70.6	73.7	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

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	5.96	3.63	2.15	3.72	8.81	3.49	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	2.93	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	4.79	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	3.13	1.56	1.06	3.79	40.62
1909	2.26	2.54	3.81	2.10	2.08	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	4.91	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	3.36	4.01	5.06	51.44
1913	3.63	2.55	6.37	7.18	5.41	1.21	3.52	4.41	2.96	5.16	1.90	2.92	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	56.70
1915	5.18	6.48	1.59	3.47	6.21	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	6.66	0.46	2.18	1.69	2.16	5.23	37.07
1917	3.71	2.00	5.56	2.34	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	3.99	32.70
1919	3.63	3.41	5.19	4.37	6.66	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	5.13	9.32	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	3.64	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	5.01	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	35.99
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	2.58	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	4.28	2.65	4.54	4.60	5.69	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	4.62	5.33	6.98	1.64	4.38	2.45	47.50
1935	5.04	3.48	2.73	3.68	3.40	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	3.13	0.78	5.46	47.95
1937	6.96	2.30	2.09	4.41	2.37	5.48	2.58	6.57	2.69	5.29	3.19	1.38	44.71
1938	2.40	2.52	2.41	2.02	4.05	8.37	8.94	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.			

# MONTHLY AND SEASONAL SNOWFALL

WILMINGTON, DELAWARE  
1950

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	2.0	6.1	4.4	5.0	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	26.5
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	T	6.0	1.4	5.7	6.0	6.7	0	0	25.8
1916-1917	0	0	0	0	T	14.0	4.5	7.4	0.7	5.5	0	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	0	T	1.2	1.0	0.5	3.0	0	0	5.7
1931-1932	0	0	0	0	0.5	T	1.0	T	7.0	T	0	0	8.5
1932-1933	0	0	0	0	0	T	13.0	T	13.0	4.0	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	0	0.5	T	5.0	7.5	T	0	0	13.0
1937-1938	0	0	0	0	T	T	1.0	3.5	3.0	T	0	0	7.5
1938-1939	0	0	0	0	0	8.5	0.3	12.0	T	2.5	T	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	0.0	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							

### CLIMATE OF WILMINGTON, DELAWARE

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 bodies 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. February is the coldest month with an average temperature of 24.6 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 7th 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 18th. The average maximum temperature for March and April is 51.8 and 62.7 degrees respectively. The average date of the first killing freeze in Autumn is October 21st. Considering the latitude of northern Delaware, the growing season of 185 days is remarkably long.

The warmest month of the year is July with an average temperature of 76.0 degrees, an average maximum temperature of 85.7 and an average minimum of 66.4 degrees. During the past fifty years there have been 9 days with a

temperature of 100 degrees or over. The average annual 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 Bay and the Delaware River. Prevailing winds are from the NW October to April and from the SW May through September.

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 44.78 inches is remarkably uniform throughout the year. August is the wettest month averaging 5.08 inches while October and November with 3.14 inches are the driest months. 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.

### STATION HISTORY

In April 1894 a Cooperative Station was established at the Municipal Building, Wilmington, Delaware. The station was operated by the Wilmington Water Company. Ground elevation 99 feet. Rain gage exposure on roof. Thermometer shelter on ground, exposure poor. In March 1912 a second Cooperative Station was opened by the Water Company at Porter Reservoir, approximately two miles NE of City Hall, ground elevation 260 feet. Exposure of rain gage and thermometer shelter good, over sod with no obstructions. Observations continue at each location.

A first order Weather Bureau Station was opened November 7, 1947, in the Administration Building, New Castle County Airport. On December 5, 1947, the

office was moved about fifty yards to the Terminal Building with no change in instrumental exposure. The rain gage and thermometer shelter are over sod, the wind instruments are 33.7 feet above the ground, there are no obstructions and the instrumental exposure is good. The station elevation is 73 feet. The 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 station is four miles SSW of the Municipal Building in downtown Wilmington and approximately the same distance south of Porter Reservoir.

WRPC, Chattanooga, Tenn. ---2/7/51---440