

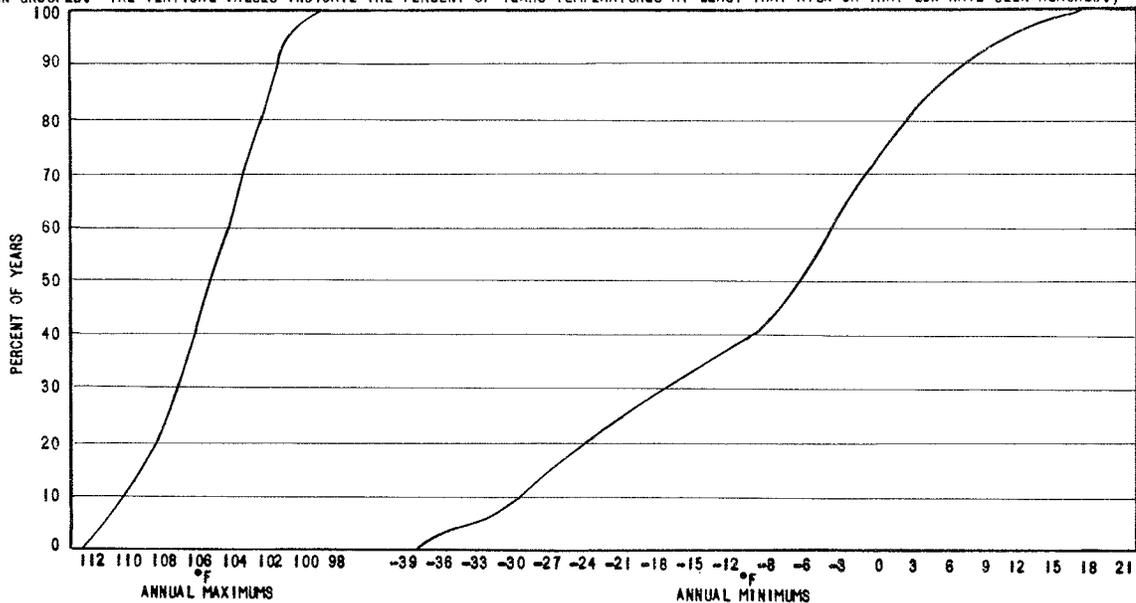


Average Temperature (°F)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1930	12.6	42.1	48.0	56.3	59.7	65.7	74.6	73.0	63.1	49.0	39.3	33.4	51.4
1931	36.1	38.0	44.9	52.6	64.0	67.5	74.9	72.4	63.0	51.0	37.0	27.2	52.4
1932	31.2	33.1	46.1	53.4	59.2	69.1	70.5	70.4	62.0	52.8	43.8	29.6	51.8
1933	35.6	30.0	44.8	52.0	56.8	67.1	74.2	72.2	59.5	55.0	41.5	42.3	52.6
1934	39.8	41.2	49.7	59.6	64.1	68.6	73.7	72.3	61.0	55.6	46.8	39.2	56.0
1935	32.9	39.1	43.9	50.5	60.7	69.1	74.3	70.9	65.8	51.1	35.3	33.2	52.2
1936	37.7	22.7	45.4	58.0	65.4	69.9	75.0	73.3	62.2	53.8	32.0	37.3	52.7
1937	13.7	32.1	47.4	52.5	61.2	67.8	76.8	70.1	65.5	55.8	45.4	38.6	52.2
1938	36.4	36.8	46.4	54.2	61.0	71.2	77.7	71.4	68.4	53.2	39.2	36.4	54.4
1939	38.4	36.9	47.6	55.7	64.0	66.8	75.4	73.4	65.2	54.5	40.2	39.0	54.8
1940	31.8	42.0	49.9	54.9	63.9	71.0	75.4	72.2	67.0	56.1	36.1	34.0	54.5
1941	33.2	39.2	48.1	55.4	61.2	67.4	78.2	72.0	60.8	52.2	43.2	38.2	54.1
1942	24.2	38.4	45.0	56.4	60.4	66.0	76.4	75.2	65.6	55.2	41.5	38.2	53.5
1943	27.2	38.8	43.4	56.8	59.1	64.7	75.5	71.4	65.7	53.1	41.1	33.2	52.5
1944	32.4	38.4	44.4	54.2	61.5	66.9	75.8	72.2	66.0	55.9	41.0	33.2	53.5
1945	38.0	42.0	45.6	52.4	61.9	67.0	75.6	73.8	61.8	54.3	42.0	33.0	54.0
1946	36.6	41.2	47.4	53.8	62.8	66.9	74.1	72.6	62.6	49.6	37.5	36.5	53.5
1947	29.0	39.0	49.1	55.3	66.6	66.8	74.2	71.6	65.7	55.3	43.0	37.4	54.4
1948	32.8	34.4	43.3	49.5	57.6	70.5	69.8	70.4	61.6	50.2	42.3	31.1	51.1
1949	16.0	34.3	45.1	55.8	64.7	66.6	71.9	72.1	65.4	48.9	45.7	37.6	52.0
1950	16.1	29.7	43.7	50.7	58.3	66.0	73.1	73.5	65.9	53.0	43.4	38.7	51.0
1951	35.0	36.6	42.8	53.7	62.5	68.5	75.2	72.4	64.5	52.0	39.9	31.3	52.9
1952	26.4	39.5	44.2	54.2	62.2	66.2	75.2	72.9	66.9	58.1	33.7	36.1	53.0
1953	44.8	41.7	47.1	51.5	57.8	62.8	73.3	72.0	66.0	54.0	44.2	40.3	54.6
1954	31.7	39.8	40.9	50.8	60.0	63.9	71.5	69.1	62.8	49.7	45.5	31.8	51.5
1955	32.9	36.7	40.1	47.6	57.1	68.7	70.6	72.1	64.1	53.0	34.6	32.1	50.8
1956	33.1	27.3	44.4	54.3	63.3	65.2	76.2	71.9	65.1	51.9	37.5	36.3	52.2
1957	17.1	35.5	44.7	53.7	64.0	69.9	72.3	70.0	66.0	50.7	40.5	40.6	52.1
1958	37.5	45.5	43.2	50.9	66.2	72.0	78.2	77.3	64.4	53.9	42.3	36.6	55.7
1959	35.4	38.5	46.9	53.8	57.0	68.2	74.9	70.1	62.3	53.2	36.3	32.8	52.5

BELOW IS SHOWN GRAPHICALLY THE PERCENT OF YEARS MAXIMUM TEMPERATURES WITHIN RANGES OF TWO DEGREES AND MINIMUMS WITHIN RANGES OF THREE DEGREES HAVE BEEN REACHED DURING THE PERIOD 1908 - 1959.

(FIGURES ACROSS THE BOTTOM OF THE GRAPH INDICATE THE RANGE OF VALUES INTO WHICH THE HIGHEST AND LOWEST ANNUAL TEMPERATURES HAVE BEEN GROUPED. THE VERTICAL VALUES INDICATE THE PERCENT OF YEARS TEMPERATURES AT LEAST THAT HIGH OR THAT LOW HAVE BEEN REACHED.)



Total Precipitation (Inches)

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Ann'l
1930	1.27	1.09	0.54	0.29	0.68	0.03	T	0.17	0.70	0.79	0.92	0.42	6.90
1931	1.29	0.32	1.63	0.69	0.03	0.82	0.00	0.00	0.07	0.79	1.76	1.89	9.29
1932	0.93	0.45	1.30	0.41	0.63	0.03	0.00	T	0.05	0.59	1.22	0.39	6.00
1933	0.78	1.12	0.89	0.77	1.36	0.09	0.10	0.05	0.45	1.15	0.66	1.61	9.03
1934	0.69	0.45	0.35	0.36	0.43	0.27	T	0.06	0.15	0.61	1.00	0.80	5.17
1935	0.41	0.59	0.22	1.08	0.15	0.40	0.12	0.03	0.07	0.46	0.45	1.37	5.35
1936	1.78	1.39	0.36	1.21	0.51	0.68	0.03	0.00	0.16	0.03	T	0.75	6.90
1937	1.53	0.39	1.23	1.44	0.09	1.07	T	0.04	0.11	0.59	1.60	1.65	9.74
1938	0.79	1.54	0.66	0.59	0.73	0.84	0.14	0.02	0.10	0.67	0.81	0.48	7.37
1939	0.66	1.12	1.10	0.21	0.05	0.44	0.43	0.00	0.64	0.36	0.01	1.25	6.27
1940	1.84	2.85	0.98	0.83	0.10	0.34	1.16	0.00	0.54	1.06	1.69	0.73	12.12
1941	1.45	0.77	0.36	0.21	0.64	1.80	0.00	0.91	1.39	0.32	1.09	1.06	10.00
1942	0.91	1.06	0.28	0.32	1.19	1.33	0.43	0.04	0.00	1.07	2.43	2.06	11.12
1943	0.92	0.50	0.43	1.15	0.18	1.02	0.03	0.28	0.00	1.37	0.31	0.98	7.17
1944	0.36	0.81	0.54	0.82	0.11	0.68	0.03	0.00	0.32	0.28	0.85	0.66	5.46
1945	1.30	1.32	1.06	0.77	1.64	0.10	0.00	0.11	1.09	0.50	1.35	1.66	10.90
1946	0.79	0.50	0.91	0.37	0.94	0.70	0.00	0.04	2.15	0.98	1.05	0.40	8.83
1947	0.57	0.80	0.71	0.65	0.26	1.63	0.63	0.26	0.83	2.71	1.27	0.87	11.19
1948	1.52	0.79	0.32	1.08	1.66	2.19	1.02	T	0.16	0.38	1.24	1.55	11.91
1949	0.27	1.05	1.14	0.05	0.35	0.04	0.00	0.00	0.43	0.34	1.59	0.48	5.74
1950	1.82	0.87	0.90	0.50	0.32	1.68	0.02	0.02	0.13	2.44	1.19	2.14	12.03
1951	1.23	1.08	0.85	0.41	0.39	1.19	0.12	0.01	0.20	1.02	1.33	0.98	8.81
1952	0.54	0.87	0.28	0.24	0.65	1.77	0.00	0.03	0.99	0.09	0.15	1.80	7.41
1953	2.72	0.82	0.52	0.64	1.17	0.48	0.00	0.61	0.00	0.60	1.45	0.88	9.89
1954	1.22	0.35	0.84	0.16	0.35	0.67	0.17	0.21	0.50	0.39	0.81	0.70	6.37
1955	0.52	0.56	0.40	0.88	0.66	0.22	0.81	0.00	0.52	0.88	2.21	2.07	9.73
1956	2.52	0.75	0.42	T	0.91	0.49	0.06	0.67	0.02	1.10	0.35	0.83	8.12
1957	0.83	0.81	2.72	0.34	1.77	0.94	0.22	T	0.74	3.91	0.71	1.01	14.00
1958	1.86	1.75	1.29	1.42	1.21	0.48	0.07	0.03	0.06	0.11	1.55	2.14	11.97
1959	2.60	1.31	0.63	0.48	0.33	0.30	T	0.17	1.35	0.57	0.30	0.35	8.39

STATION HISTORY

The weather observing at Hemiston has a dual history -- that of the Umatilla Experiment Station, from which official Weather Bureau records are now obtained, and that of the earlier Weather Bureau cooperative station for the area. The Umatilla Experiment Station began taking fairly complete weather records as a part of their duties for the Department of Agriculture in 1912. This has included maximum and minimum temperatures and daily precipitation throughout that period. It has also included the measurement of the wet and dry bulb three times a day and computation of vapor pressure and relative humidity, the measurement of wind velocity over a 24-hour period directly above the evaporation pan and measurement of evaporation using the Department of Agriculture 72-inch buried type pan. Records thus obtained are on file at the Experiment Station Headquarters, and it is believed are generally contained in the annual reports of that station. They were not regularly received by the Weather Bureau, however, until January 1, 1946. At that time the Weather Bureau's cooperative station for Hemiston was combined with the Experiment Station and as such all records pertinent to a regular evaporation station have been received and included in appropriate Weather Bureau publications. Beginning October 1, 1957 records of the three times daily reading (8 A.M., 12 Noon and 5 P.M.) of wet and dry bulb and computed dew point, relative humidity and vapor pressure have also been furnished the Weather Bureau and are on file in the State Climatologist's office in Portland.

A cooperative weather station was first established by the Weather Bureau on July 1, 1906 with Mr. George H. Carr the first observer obtaining only records of daily rainfall. On August 1, 1907 thermometers and shelter were added to his equipment and a temperature record was begun. He was followed by the observers whose periods of service are indicated below:

JOHN T. WHISTLER, SEPT. 1, 1907 UNTIL JAN. 31, 1908  
 C. W. KELLOGG FROM FEB. 2, 1908 UNTIL JAN. 31, 1914  
 J. M. GRIFFIN FROM FEB. 1, 1914 TO MAR. 31, 1914

M. O. SCRAGGS FROM APR. 1, 1914 TO FEB. 28, 1919  
 CHARLES TAYLOR FROM MARCH 1, 1919 UNTIL OCT. 31, 1946

For a short period from Jan. 1, 1946 through Oct. 31, 1946 records were obtained from both locations. It appears from such descriptive material as is available that the earlier locations were all or practically all within the city limits of Hemiston at the office of the Bureau of Reclamation and at an elevation approximately 175 feet lower than the present one. In general, Hemiston records are very complete and accurate.