

MS-74, Dayton Weather Bureau Records

Collection Number: MS-74

Title: Dayton Weather Bureau Records

Dates: 1883-1996 (bulk 1911-1996)

Creator: United States. Weather Bureau. Dayton Station (Dayton, Ohio)

Summary/Abstract: The records describe the weather of Dayton, Ohio and the surrounding area through the daily, monthly and annual reporting of the Dayton Weather Bureau. Detailed daily accounts of Dayton weather conditions include temperature, precipitation, cloud cover, wind speed and other pertinent notations.

Quantity/Physical Description: 35 linear feet

Language(s): English

Repository:

Special Collections and Archives, Paul Laurence Dunbar Library, Wright State University, Dayton, OH 45435-0001, (937) 775-2092

Restrictions on Access: There are no restrictions on accessing material in this collection except for Boxes 11-18 containing Bound Daily Reports for 1940-1947, 1949-1960. These boxes are on long term loan back to the Weather Bureau and are not currently available for research.

Restrictions on Use:

Copyright restrictions may apply. Unpublished manuscripts are protected by copyright. Permission to publish, quote, or reproduce must be secured from the repository and the copyright holder.

Preferred Citation:

[Description of item], Box #, Folder #, MS-74, Dayton Weather Bureau Records, Special Collections and Archives, University Libraries, Wright State University, Dayton, Ohio.

Acquisition:

The collection was donated to Special Collections & Archives by the National Weather Service office at Dayton, Ohio in June, 1978. Additional records were added annually through 1996.

Related Material: The National Weather Service Forecast Office in Wilmington, Ohio maintains a database of historical records, including daily climate summaries, for Dayton, Cincinnati and Columbus at http://www.weather.gov/climate/local_data.php?wfo=iln .

Separated Material: Issues of *Weather Bureau Topics* spanning 1937-1963 were cataloged separately and are available in the reading room (QC 875.U6 .U96).

Other Finding Aid:

The finding aid is available on the Special Collections & Archives, Wright State University Libraries web site at

http://www.libraries.wright.edu/special/collection_guides/guide_files/ms74.pdf. It is also available in the OhioLINK Finding Aid Repository at <http://ead.ohiolink.edu/xtf-ead/>.

Processed by: Samantha Green, April 2015. Finding aid last updated by Toni Vanden Bos, October 2017.

Arrangement:

The collection is arranged into 4 series:

Series I: Annual Summaries, 1914-1992

Series II: Monthly Summaries, 1921-1991, 1996

Series III: Daily Observations, 1911-1995

Series IV: Newspaper Articles, Pictures and Charts, 1883-1995

Historical Note:

The National Weather Service was established by a joint Congressional Resolution on February 9, 1870, which authorized the secretary of War to organize a meteorological service based on reports from military posts throughout the country. The telegraph is credited for aiding the advancement of operational meteorology during the 19th century. With the advent of the telegraph, weather observations from geographically distant locations could be collected, plotted and analyzed at one location. Before 1900, the meteorologists were administratively moved from the Army to the Department of Agriculture as the U.S. Weather Bureau. Between 1900 and 1910, sixty weather bureau stations were built across the United States.

The Weather Bureau constructed an office in Dayton, Ohio in July, 1911. It was relocated in 1923, and in 1935. It was temporarily closed from July 22, 1933 to January 31, 1935. A separate airport office opened at the municipal airport (current Cox Dayton International Airport) in August, 1940, the year that the U.S. Weather Bureau moved under the Department of Commerce. The Dayton office and the airport office merged at the airport in June, 1943. Upper air observations were transferred from Wright-Patterson AFB in May 1956, and operated from a separate office five miles from the airport station. This station was placed under National Weather Service contract in 1981 (the Weather Bureau was renamed the National Weather Service in 1967). Both offices were closed in 1995, and merged with the new office in Wilmington, Ohio.

Sources:

History of the National Weather Service <http://www.weather.gov/timeline> (accessed April 9, 2015).

Weather Bureau/National Weather Service History in Ohio

https://www.weather.gov/media/ilx/History/ohio_wb.pdf (accessed Oct 10, 2017).

Introduction: History of Weather Forecasting. National Park Service.

http://www.nps.gov/parkhistory/online_books/caha/shrs/chap1.pdf (accessed April 9, 2015).

Scope and Content:

This collection describes the weather of Dayton and the surrounding area through the daily, monthly and annual reporting of the Dayton Weather Bureau personnel. Reports prior to 1980 were handwritten and graphed. From 1980 on, the reports are printed from a computer.

Series I, Annual Summaries, spans 1914-1992. Each report is about 4 pages, and contains information on temperature, precipitation, snowfall, station information, normal, means and extremes. The summaries are compiled based on the monthly summaries in Series II, which may contain graphs, tables, etc.

Series II, Monthly Summaries, spans 1921-1991, 1996. Each report is about 1-3 pages, and contains information on temperature, hourly precipitation, snowfall, wind, sunshine, sky cover and hourly observations. The summaries are compiled based on the daily observations in Series III, which may contain graphs, tables, etc.

Series III, Daily Observations, spans 1911-1995 and is by far the largest series in the collection. Each report is about 3 pages, and contains information on temperature, precipitation, pressure, cloud cover, synoptic observations and summary of the day. The observations are compiled based on the daily collection of data by station meteorologists.

Series IV, Newspaper Articles, Pictures and Charts, 1883-1995, is a relatively small series that contains news clippings on weather events covered in the *Dayton Daily News*, *Dayton Journal Herald*, *Troy Daily News* and other nearby newspapers scattered between 1883 and 1994. They are organized alphabetically by type of weather event, and chronologically thereunder.

Subject Terms:**Organizations/Corporate Names:**

United States. Weather Bureau. Dayton Station (Dayton, Ohio)

Places

Dayton (Ohio) -- Climate

Subjects (General)

Weather – Ohio – Dayton

Weather -- History

Meteorological stations – Ohio – Dayton

Meteorology -- Observations

Collection Inventory

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
Series I		Annual Summaries, 1914-1992	
<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
1	1	Annual Summary	1914-1938
1	2	Annual Summary	1941,1943-1948
1	3	Annual Summary	1949-1966
1	4	Annual Summary	1967-1969
1	5	Annual Summary	1970-1979
1	6	Annual Summary	1980-1982
1	7	Annual Summary	1983-1984
1	8	Annual Summary	1985-1986
1	9	Annual Summary	1987
1	10	Annual Summary	1988-1989
1	11	Annual Summary	1990-1992
1	12	Decennial Census	1951-1960
Series II		Monthly Summaries, 1921-1991, 1996	
<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
1	13	Monthly Summaries	1921
1	14	Monthly Summaries	1922
1	15	Monthly Summaries	1923
1	16	Monthly Summaries	1924
1	17	Monthly Summaries	1925
1	18	Monthly Summaries	1926
1	19	Monthly Summaries	1927
1	20	Monthly Summaries	1928
1	21	Monthly Summaries	1929
1	22	Monthly Summaries	1930
1	23	Monthly Summaries	1931
1	24	Monthly Summaries	1932
1	25	Monthly Summaries	1933
1	26	Monthly Summaries	1934
1	27	Monthly Summaries	1935 Jan-Feb, Apr-May, Sep, Dec
1	28	Monthly Summaries	1936 May
1	29	Monthly Summaries	1938 December
1	30	Monthly Summaries	1939 Apr-Jun, Sep-Dec
1	31	Monthly Summaries	1940 Feb-Dec
1	32	Monthly Summaries	1941 Jan-Jun, Aug-Dec

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
1	33	Monthly Summaries	1942 Jan-Nov
1	34	Monthly Summaries	1943
1	35	Monthly Summaries	1944 Jan, Mar, May-Dec
1	36	Monthly Summaries	1945
1	37	Monthly Summaries	1946
1	38	Monthly Summaries	1947
1	39	Monthly Summaries	1948
1	40	Monthly Summaries	1949
1	41	Monthly Summaries	1950
1	42	Monthly Summaries	1951
1	43	Monthly Summaries	1952
1	44	Monthly Summaries	1953
1	45	Monthly Summaries	1954
1	46	Monthly Summaries	1955
1	47	Monthly Summaries	1956
1	48	Monthly Summaries	1957
1	49	Monthly Summaries	1958
1	50	Monthly Summaries	1959
1	51	Monthly Summaries	1960
1	52	Monthly Summaries	1961
1	53	Monthly Summaries	1962
1	54	Monthly Summaries	1963
1	55	Monthly Summaries	1964
1	56	Monthly Summaries	1965
1	57	Monthly Summaries	1966
1	58	Monthly Summaries	1967
1	59	Monthly Summaries	1968
1	60	Monthly Summaries	1969
1	61	Monthly Summaries	1970
1	62	Monthly Summaries	1971 Feb-Dec
1	63	Monthly Summaries	1972 Jan-Sep
1	64	Monthly Summaries	1973
1	65	Monthly Summaries	1974
1	66	Monthly Summaries	1975
1	67	Monthly Summaries	1976 Jan-Oct
1	68	Monthly Summaries	1977 Jan, Mar-Dec
1	69	Monthly Summaries	1978
1	70	Monthly Summaries	1979
1	71	Monthly Summaries	1980
1	72	Monthly Summaries	1981
1	73	Monthly Summaries	1982 Jan-May
1	74	Monthly Summaries	1982 Jun-Dec
1	75	Monthly Summaries	1983 Jan-July

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
1	76	Monthly Summaries	1983 Aug-Dec
1	77	Monthly Summaries	1984 Jan-Mar
1	78	Monthly Summaries	1984 Apr-Jun
1	79	Monthly Summaries	1984 Jul-Sep
1	80	Monthly Summaries	1984 Oct-Dec
1	81	Monthly Summaries	1985 Jan-Feb
1	82	Monthly Summaries	1985 Mar-May
1	83	Monthly Summaries	1985 Jun-Aug
1	84	Monthly Summaries	1985 Sep-Dec
1	85	Monthly Summaries	1986 Jan-Mar
2	1	Monthly Summaries	1986 Apr
2	2	Monthly Summaries	1986 May
2	3	Monthly Summaries	1986 Jun
2	4	Monthly Summaries	1986 Jul
2	5	Monthly Summaries	1986 Aug
2	6	Monthly Summaries	1986 Sep
2	7	Monthly Summaries	1986 Oct
2	8	Monthly Summaries	1986 Nov-Dec
2	9	Monthly Summaries	1987 Jan-Mar
2	10	Monthly Summaries	1987 Apr-Jun
2	11	Monthly Summaries	1987 Aug-Sep
2	12	Monthly Summaries	1987 Oct-Dec
2	13	Monthly Summaries	1988 Jan-Mar
2	14	Monthly Summaries	1988 Apr-Jun
2	15	Monthly Summaries	1988 Jul-Sep
2	16	Monthly Summaries	1988 Oct-Dec
2	17	Monthly Summaries	1989 Jan-Mar
2	18	Monthly Summaries	1989 Apr-Jun
2	19	Monthly Summaries	1989 Jul-Sep
2	20	Monthly Summaries	1989 Oct-Dec
2	21	Monthly Summaries	1990 Jan
2	22	Monthly Summaries	1990 Feb-Apr
2	23	Monthly Summaries	1990 May-Jul
2	24	Monthly Summaries	1990 Aug-Oct
2	25	Monthly Summaries	1990 Nov-Dec
2	26	Monthly Summaries	1991 Jan-Feb
2	27	Monthly Summaries	1991 Apr-Jun
2	28	Monthly Summaries	1991 Jul-Aug
2	29	Monthly Summaries	1991 Dec
2	30	Monthly Summaries	1996 Feb-Apr
Series III		Daily Observations, 1911-1995	

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
3	1	Bound Daily Reports	1911
3	2	Bound Daily Reports	1912
3	3	Bound Daily Reports	1913
3	4	Bound Daily Reports	1914
3	5	Bound Daily Reports	1915
3	6	Bound Daily Reports	1916
4	1	Bound Daily Reports	1917
4	2	Bound Daily Reports	1918
4	3	Bound Daily Reports	1919
4	4	Bound Daily Reports	1920
4	5	Bound Daily Reports	1921
4	6	Bound Daily Reports	1922
5	1	Bound Daily Reports	1923
5	2	Bound Daily Reports	1924
5	3	Bound Daily Reports	1925
5	4	Bound Daily Reports	1926
5	5	Bound Daily Reports	1927
5	6	Bound Daily Reports	1928
6	1	Bound Daily Reports	1929
6	2	Bound Daily Reports	1930
6	3	Bound Daily Reports	1931
6	4	Bound Daily Reports	1932
7	1	Bound Daily Reports	1933
7	2	Bound Daily Reports	1935
7	3	Bound Daily Reports	1936
8	1	Bound Daily Reports	1937
8	2	Bound Daily Reports	1938
8	3	Bound Daily Reports	1939
9	1	Bound Daily Reports	1940
9	2	Bound Daily Reports	1941
9	3	Bound Daily Reports	1942
10	1	Bound Daily Reports	1943
10	2	Bound Daily Reports	1944
10	3	Bound Daily Reports	1945
11	1	Bound Daily Reports	1946

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
11	2	Bound Daily Reports	1947
11	3	Bound Daily Reports	1948
12	1	Bound Daily Reports	1949
12	2	Bound Daily Reports	1950
12	3	Bound Daily Reports	1951
13	1	Bound Daily Reports	1952
13	2	Bound Daily Reports	1953
13	3	Bound Daily Reports	1954
14	1	Bound Daily Reports	1955
14	2	Bound Daily Reports	1956
14	3	Bound Daily Reports	1957
15	1	Bound Daily Reports	1958
15	2	Bound Daily Reports	1959
16	1	Bound Daily Reports	1960
16	2	Bound Daily Reports	1961
17	1	Bound Daily Reports	1962
17	2	Bound Daily Reports	1963
18	1	Bound Daily Reports	1964
18	2	Bound Daily Reports	1965
19	1	Bound Daily Reports	1966
19	2	Bound Daily Reports	1967
20	1	Bound Daily Reports	1968
20	2	Bound Daily Reports	1969
21	1	Bound Daily Reports	1970
21	2	Bound Daily Reports	1971
22	1	Bound Daily Reports	1972 Jan-Jun
22	2	Bound Daily Reports	1972 Jul-Dec
22	3	Bound Daily Reports	1973 Jan-Jun
23	1	Bound Daily Reports	1973 Jul-Dec
23	2	Bound Daily Reports	1974 Jan-Jun
23	3	Bound Daily Reports	1974 Jul-Dec

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
24	1	Bound Daily Reports	1975 Jan-Jun
24	2	Bound Daily Reports	1975 Jul-Dec
24	3	Bound Daily Reports	1976 Jan-Jun
25	1	Bound Daily Reports	1976 Jul-Dec
25	2	Bound Daily Reports	1977 Jan-Jun
25	3	Bound Daily Reports	1977 Jul-Dec
26	1	Bound Daily Reports	1978 Jan-Jun
26	2	Bound Daily Reports	1978 Jul-Dec
26	3	Bound Daily Reports	1979 Jan-Jun
27	1	Bound Daily Reports	1979 Jul-Dec
27	2	Bound Daily Reports	1980 Jan-Jun
27	3	Bound Daily Reports	1980 Jul-Dec
28	1	Bound Daily Reports	1981 Jan-Jun
28	2	Bound Daily Reports	1981 Jul-Dec
28	3	Bound Daily Reports	1982 Jan-Jun
29	1	Bound Daily Reports	1982 Jul-Dec
29	2	Bound Daily Reports	1983 Jan-Jun
29	3	Bound Daily Reports	1983 Jul-Dec
30	1	Bound Daily Reports	1984 Jan-Jun
30	2	Bound Daily Reports	1984 Jul-Dec
30	3	Bound Daily Reports	1985 Jan-Jun
31	1	Daily Observations	1985 Aug
31	2	Daily Observations	1985 Sep
31	3	Daily Observations	1985 Oct
31	4	Daily Observations	1985 Nov
31	5	Daily Observations	1985 Dec
31	6	Daily Observations	1986 Jan
31	7	Daily Observations	1986 Feb
31	8	Daily Observations	1986 Mar
31	9	Daily Observations	1986 Apr
31	10	Daily Observations	1986 May
31	11	Daily Observations	1986 Jun
31	12	Daily Observations	1986 Jul
31	13	Daily Observations	1986 Aug
31	14	Daily Observations	1986 Sep
31	15	Daily Observations	1986 Oct

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
31	16	Daily Observations	1986 Dec
31	17	Daily Observations	1987 Jan
31	18	Daily Observations	1987 Feb
31	19	Daily Observations	1987 Mar
31	20	Daily Observations	1987 Apr
31	21	Daily Observations	1987 May
31	22	Daily Observations	1987 Jun
31	23	Daily Observations	1987 Jul
31	24	Daily Observations	1987 Aug
31	25	Daily Observations	1987 Sep
31	26	Daily Observations	1987 Oct
31	27	Daily Observations	1987 Nov
31	28	Daily Observations	1987 Dec
32	1	Daily Observations	1988 Jan
32	2	Daily Observations	1988 Feb
32	3	Daily Observations	1988 Mar
32	4	Daily Observations	1988 Apr
32	5	Daily Observations	1988 May
32	6	Daily Observations	1988 Jun
32	7	Daily Observations	1988 Jul
32	8	Daily Observations	1988 Aug
32	9	Daily Observations	1988 Sep
32	10	Daily Observations	1988 Oct
32	11	Daily Observations	1988 Nov
32	12	Daily Observations	1988 Dec
32	13	Daily Observations	1989 Jan
32	14	Daily Observations	1989 Feb
32	15	Daily Observations	1989 Mar
32	16	Daily Observations	1989 May
32	17	Daily Observations	1989 Jun
32	18	Daily Observations	1989 Jul
32	19	Daily Observations	1989 Aug
32	20	Daily Observations	1989 Sep
32	21	Daily Observations	1989 Oct
32	22	Daily Observations	1989 Nov
32	23	Daily Observations	1989 Dec
32	24	Daily Observations	1990 Jan
32	25	Daily Observations	1990 Feb
32	26	Daily Observations	1990 Mar
32	27	Daily Observations	1990 Apr
32	28	Daily Observations	1990 May
32	29	Daily Observations	1990 Jun

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
32	30	Daily Observations	1990 Jul
32	31	Daily Observations	1990 Aug
32	32	Daily Observations	1990 Sep
32	33	Daily Observations	1990 Oct
32	34	Daily Observations	1990 Nov
32	35	Daily Observations	1990 Dec
33	1	Daily Observations	1991 Jan
33	2	Daily Observations	1991 Feb
33	3	Daily Observations	1991 Mar
33	4	Daily Observations	1991 Apr
33	5	Daily Observations	1991 May
33	6	Daily Observations	1991 Jun
33	7	Daily Observations	1991 Jul
33	8	Daily Observations	1991 Aug
33	9	Daily Observations	1991 Sep
33	10	Daily Observations	1991 Oct
33	11	Daily Observations	1991 Nov
33	12	Daily Observations	1991 Dec
33	13	Daily Observations	1992 Jan
33	14	Daily Observations	1992 Feb
33	15	Daily Observations	1992 Mar
33	16	Daily Observations	1992 Apr
33	17	Daily Observations	1992 May
33	18	Daily Observations	1992 Jun
33	19	Daily Observations	1992 Jul
33	20	Daily Observations	1992 Aug
33	21	Daily Observations	1992 Sep
33	22	Daily Observations	1992 Oct
33	23	Daily Observations	1992 Nov
33	24	Daily Observations	1992 Dec
33	25	Daily Observations	1993 Jan
33	26	Daily Observations	1993 Feb
33	27	Daily Observations	1993 Mar
33	28	Daily Observations	1993 Apr
33	29	Daily Observations	1993 May
33	30	Daily Observations	1993 Jun
34	1	Daily Observations	1993 Jul
34	2	Daily Observations	1993 Aug
34	3	Daily Observations	1993 Sep
34	4	Daily Observations	1993 Oct
34	5	Daily Observations	1993 Nov

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
34	6	Daily Observations	1993 Dec
34	7	Daily Observations	1994 Jan
34	8	Daily Observations	1994 Feb
34	9	Daily Observations	1994 Mar
34	10	Daily Observations	1994 Apr
34	11	Daily Observations	1994 May
34	12	Daily Observations	1994 Jun
34	13	Daily Observations	1994 Jul
34	14	Daily Observations	1994 Aug
34	15	Daily Observations	1994 Sep
34	16	Daily Observations	1994 Oct
34	17	Daily Observations	1994 Nov
34	18	Daily Observations	1994 Dec
34	19	Daily Observations	1995 Jan
34	20	Daily Observations	1995 Feb
34	21	Daily Observations	1995 Mar
34	22	Daily Observations	1995 Mar
34	23	Daily Observations	1995 Apr
34	24	Daily Observations	1995 Apr
34	25	Daily Observations	1995 May
34	26	Daily Observations	1995 Jun
34	27	Daily Observations	1995 Jun
34	28	Daily Observations	1995 Jul
34	29	Daily Observations	1995 Jul
34	30	Daily Observations	1995 Aug
34	32	Daily Observations	1995 Aug
Series IV Newspaper Articles, Pictures and Charts, 1883-1995			
<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
35	1	News clippings of 1950 Blizzard	1950
35	2	Weather Reports for Blizzard of 1950	1950
35	3	Earthquake Articles	1968
35	4	1913 Flood Souvenir Articles	1962
35	5	Frost and Ice Articles	1957-1970
35	6	Heat and Drought Articles	1964-1966
35	7	Heavy Rain and Flood Articles	1951-1959
35	8	Excessive Rain and Floods	1959 Jan. 21
35	9	Heavy Rain and Flood Articles	1961-1963
35	10	Heavy Rain and Flood Articles	1966-1968
35	11	Heavy Rain and Flood Articles	1971
35	12	Snowstorm Articles	1959

<u>Box</u>	<u>File</u>	<u>Description</u>	<u>Date</u>
35	13	Snowstorm Articles	1962-1966
35	14	Snowstorm Articles	1967-1969
35	15	Snowstorm Articles	1970-1971
35	16	Snowstorm Articles	1977
35	17	Snowstorm Articles	undated
35	18	Thunderstorm Articles	1957-1973
35	19	Tornado Articles	1958-1960
35	20	Tornado Articles	1961-1964
35	21	Mercer and Shelby County Tornadoes	1965 Apr. 11
35	22	Tornado Articles	1965-1969
35	23	Tornado Articles	1970-1975
35	24	Tornado Articles	undated
35	25	Windstorm Articles	1958-1959
35	26	Windstorm Articles	1961-1964
35	27	Windstorm Articles	1966-1968
35	28	Windstorm Articles	undated
35	29	Wind Damage Photos	c. 1980?
35	30	Non- Storm Related Articles	1960-1974
35	31	Monthly and Seasonal Snowfall	1883-1949
35	32	Monthly Averages by Year	1883-1950
35	33	Frequency of Precipitation Occurrences	1883-1962
35	34	Heating Degree Chart	1898-1939
35	35	Sums for Annual Summaries	1911-1957
35	36	Monthly Averages by Year	1911-1960
35	37	Various Rainfall Charts	1911-1950
35	38	Various Temperature Charts	1917-1950
35	39	Summary Station Report	1951
35	40	Climatological Record for Dayton, Ohio	1971-1990
35	41	Climatological Record for Dayton, Ohio	1991-1995
35	42	Storm Data	1995
35	43	METAR Training Implementation Outline	undated
35	44	Telegrams	undated