

My name is Keith Heidorn.

If you asked me to describe myself in the context of the Weather Doctor,

I would tell you that I am both an artist and a scientist who is deeply involved with the weather and other atmospheric phenomena on many levels.

I have had a love affair with the weather for about 45 years.

You see, I think that weather is the most sensual aspect of life, stimulating all my senses at one time or another and often several at once.

I was born in Chicago and grew up in northeastern Illinois where I first fell in love with the weather.

The Great Lakes region has its variety of weather extremes generally with a rapid turnover of daily weather events.

<http://www.glenallenweather.com/historylinks/wxdoc/jan.htm> (Ref. Wx.Doctor)

United States

1 November 1870 Washington, DC: General Albert J. Myer orders the first simultaneous gathering of weather data across the United States. The information is used to produce the first national weather maps.

1 November 1968 Winslow, Arizona: A tornado touches down west of Winslow in an uninhabited area and does little damage .

1-2 November 2000, Hilo, Hawaii : Heavy and persistent rains across the eastern half (windward side) of the "Big Island" of Hawaii drop 27.24 inches (692 mm) of rain at the Hilo Airport in a 24-hour period, breaking the previous 24-hour rainfall record.

2 November 1961, Atlanta, Georgia: The temperature at Atlanta soars to 84°F (28.9°C) establishing a record for November.

3 November 1946, Denver, Colorado: Snowstorm deposits 30.4 inches (77.2 cm) of white on the Mile-High City.

3 November 1991, Alamosa, Colorado: In Alamosa, the temperature plunges to -26 °F (-32 °C) shattering the old record by 18 F degrees (10 C deg) as record cold grips Colorado.

3 November 2009, Phoenix and Picacho Peak, Arizona: The heat in Arizona produces a 96°F (35.6 °C) high in Phoenix, the hottest temperature there ever so late in the season. The high temperature at Picacho Peak, sets the high temperature record there for the day and the month with a 97°F (336.1 °C) reading.

4 November 1927, Green Mountains, Vermont: Torrential rains, up to 15 inches (381 mm) in the higher elevations, produce the worst flood in Vermont history. Runoff sends streams on a rampage that devastates the Winooski Valley. Flooding claims 200 lives and causes \$40 million in damage.

5 November 1894, Southern New England States: 1894 - Election Day Snowstorm buries Connecticut with 10-12 inches (25-30 cm) of snow. Much of southern New England is hit by the blizzard.

6 November 2005, Evansville, Indiana: An F3 tornado strikes with little warning about 2 am destroying hundreds of homes, businesses and churches along a 20-mile path on both sides of the Ohio River. About 200 people are injured, 22 killed in Evansville and surrounding areas.

6 November 2009, Gulf of Alaska: High waves, winds, and low pressure accompany a major storm sitting over the Gulf of Alaska. Weather buoy station 46082 recorded the highest winds with the storm hit 69 mpg (111 km/hr) and also had waves of nearly 30 feet (10 m). Buoy

station 46085 reports the lowest pressure reading at 945 mb (27.91 in Hg), just shy of the Category 4 Hurricane classification on the old SS Scale.) Along the Pacific Northwest Coast, winds hit as high as the 91 mph (145 km/h) reading at Garibaldi, Oregon. The storm also generates a confirmed F0 tornado at Roads End, Oregon.

7 November 1940, Tacoma, Washington: Near gale force winds cause the collapse of the First Narrows Bridge. "Galloping Gertie" as the suspension bridge was known, vibrated excessively when winds reached the structure's resonance frequency.

8 November 1870, Washington, DC: The first storm warning is issued by the U.S. Signal Corps Weather Service.

8 November 1914, Bagdad, California: After a record rain-free stretch of 767 days, it finally rains in Bagdad, California.

8 November 1999, Kennebec, South Dakota: The temperature reaches 89 °F (31.7 °C), breaking the all time record for the warmest November maximum temperature ever recorded in the state.

9 November 1864, Chester, Illinois: On Election Night, a violent tornado strikes a ferry on Mississippi River near Chester blowing away all but the hull. The boiler and engines are found up the bluff. Half of Chester is destroyed and twenty die during the storm.

9-10 November 1913, Great Lakes: A storm system, later known as the "Freshwater Fury," raises gale conditions on the Great Lakes. Eight ships and over 250 sailors are lost as "monster waves" develop on Lake Huron. A total of 17 ships are sunk on the Lakes during the storm.

9-10 November 1998, Iowa and Minnesota: Extremely strong storm system moves across the Great Plains. Minnesota (28.43 inches / 96.28 kPa) and Iowa (28.54 inches / 96.65 kPa) report record low barometric pressure readings for the states.

10 November 1998, Wisconsin and Michigan: The same intense storm generates extreme winds over the upper Great Lakes. Winds gust to 95 mph (152 km/h) at Mackinac Island, MI and 93 mph (149 km/h) at La Crosse, WI.

10-11 November 2002, Tennessee and Ohio Valley Region: A late-season, major outbreak of tornadoes causes damage in 13 states. A total of 75 tornadoes touch down on Sunday (10th), resulting in at least 36 deaths.

11 November 1911, Oklahoma City, Oklahoma : An arctic cold front, known as a Blue Norther, roars across the state. Temperature at Oklahoma City dives from a record high of 83°F (28.3°C) to an midnight low of 17°F (-8.3°C), also a record. By early morning on the 12th, the temperature had dropped to 14°F (-10°C) – a drop of 69 F degrees (38.3 C deg) in less than 24 hours.

11 November 1911, Janesville, Wisconsin : The same intense winter storm spawns a tornado (later classified as F4 on the Fujita Scale) that strikes a community near Janesville. Within an hour of the tornado, the residents must deal with blizzard conditions and temperatures near 0°F (-18°C).

11 November 1955, Washington and Oregon: Arctic outbreak brings bone-chilling temperatures across Oregon and Washington with lows near 0°F (-18°C) in western Washington and -19°F (-28°C) in eastern Washington.

11-12 November 1911, Chicago, Illinois: Chicago experiences its biggest day-to-day temperature drop. From a record high of 74°F (23.3°C) at 4 PM on the 11th, the mercury falls to a low of 14°F (-10°C) by noon on the 12th – a drop of 61 F degrees (33.9 C deg) in 20 hours.

12 November 2003, Los Angeles County, California: An intense rush-hour rainstorm drops up to 5 inches (130 mm) of rain in two hours, snarling traffic with flooded roads.

12 November 2009, Norfolk, Virginia : Norfolk records its highest storm surge since observations began in 1927 at 5.96 ft (1.82 m) as the remnants of Hurricane Ida lashes the Mid-Atlantic Coast. The storm also brings heavy rainfall, up to 11 inches (280 mm), and hurricane force winds.

13 November 1933, Great Plains to New York State: First great "Dust Bowl Storm" spreads dust and pall over eastern half of the country.

13 November 2006, Eau Claire, Wisconsin: Eau Claire, gets 1.5 inches (3.8 cm) of snow on Monday, setting a daily maximum snowfall record for the date.

14 November 1914, Atlanta, Georgia: The day's high temperature of 28 degrees marks their earliest daily high below the freezing mark in Atlanta.

14 November 1969, Cape Kennedy, Florida: Forty-three seconds into its flight to the moon, Apollo 12 struck by lightning, knocking out its electronic navigation system, nearly forcing mission to be "scrubbed".

15 November 1900, Watertown, New York: A lake-effect snowstorm buries Watertown with 45 inches (114 cm) in 24 hours. The storm total was 49 inches (124 cm).

15-18 November 2004, Texas: Several days of heavy rainfall in the Texas Hill Country dumps 5 to 10 inches (127 to 254 mm), producing widespread flooding.

16 November 1958, Tucson, Arizona: Tucson receives more than six inches (15 cm) of snow.

16 November 1959, Lincoln, Montana: Lincoln 's morning temperature plummets to minus 53°F (-47.2°C) , establishing America's all-time November low temperature.

17 November 1869, Berkshire and Green Mountains, New England: Hurricane-force winds from the southwest batter the Berkshire and Green Mountains causing extensive forest and structural damage.

18 November 1988, Little Rock, Arkansas: Thunderstorms building along a warm front inundate Little Rock with 7.01 inches (178 mm) of rain, smashing their previous record for the date.

19 November 1921, Oregon: The Columbia Gorge ice storm finally ends after burying parts of Oregon with 54 inches (137 cm) of snow, sleet and glaze. River, road and rail transportation between Walla Walla WA and Portland OR comes to a halt.

19-21 November 1798, Northeastern States: The infamous Long Storm sweeps across the the northeastern US spreading deep snow from Maryland to Maine. The storm dumps a foot (30 cm) of snow on New York City and New Haven, and as much as three feet (90 cm) on Maine and New Hampshire. Storm opens the famous Long Winter of 1798-99 which continues to drop snow on the region as late as May.

20 November 1987, Upper Peninsula, Michigan: Strong, cold northerly winds bury the UP coast with lake-effect snow. Snowfall totals in Upper Michigan reach as much as 18 inches (45.7 cm) at Paradise. Lake City is blanketed with 9.5 inches (24.1 cm) in four and a half hours.

17-21 November 2009, Alaska: Bitter cold remains entrenched in central Alaska where high temperatures on the 20th only reaches the -40 °C (F) range at Bettles and the morning temperature hit -46°F (-43.3°C) . Bettles has recorded lows of -45°F (-42.8°C) or below for five consecutive days. The lowest recorded was -47°F (-43.9°C) on both the 19th and 21st.

21 November 1985, Mexico Beach, Florida: Hurricane Kate makes landfall during the evening hours near Mexico Beach. Wind gusts to 100 mph (160 km/h) are reported at Cape San Blas.

21-22 November 2004, Southern California: Up to 3 feet (90 cm) of snow blankets Southern California's San Gabriel and San Bernardino mountains east of Los Angeles. and even whiten nearby desert areas.

22 November 2007, Alaska: Unseasonably mild temperatures prevail across Alaska. Seldovia reports a high of 52°F (11.1°C), Homer records 49°F (9.4°C), and Anchorage and Fairbanks both report 40°F (4.4°C) highs.

23 November 1909, Rattlesnake Creek, Idaho: A heavy rain deluges Rattlesnake Creek with 7.17 inches of rain in 24 hours, establishing the Idaho state record.

23 November 1912, Lake Michigan: A freshwater fury, an intense storm on the Great Lakes, sinks the Rouse Simmons, a 127-foot schooner, sank off Two Rivers, Wisconsin. Owned by Captain Herman Schuenemann, the Rouse Simmons was affectionately dubbed the "Christmas Tree Ship" because every year Schuenemann transported Christmas trees from Wisconsin to Chicago via Lake Michigan. Schuenemann and 16 others died in the sinking.

23-24 November 1982, Hawaiian Islands: Hurricane Iwa, the first hurricane to strike Hawaii since Dot in 1959, blows across the islands of Niah, Kauai and Oahu with winds gusting above 130 mph (208 km/h) and sustained winds were near 100 mph (160 km/h).

24 November 1812, New York and Pennsylvania: A powerful Southwester with hurricane-force winds sinks ships and unroofs buildings at Philadelphia and New York City.

25 November 1926, Arkansas: Killer tornado strikes Belleville and Portland. 53 die.

25 November 1950, Columbus, Ohio: Record low temperature of 5°F (-15°C) greets the fans heading for the Michigan-Ohio State football game. But this was no ordinary tilt between the conference rivals. Played under heavy, blowing snow, it became known as the Blizzard Bowl.

26 November 1984, Copper City Utah: Lake-effect snows produce by Utah's Great Salt Lake drops up to 20 inches (51 cm) of snow on Copper City.

26 November 2007 , Pittsburgh, Pennsylvania: Lightning and heavy rain delay the start of the Monday Night Football game at Pittsburgh's Heinz Field between the Miami Dolphins and the Pittsburgh Steelers by 25 minutes. The muddy field conditions contribute to one of the lowest scoring NFL games won by the Steelers, 3-0, the game being scoreless until the last seconds.

26-28 November 2005 , Great Falls, Montana: Great Falls experiences its heaviest snowstorm on record with a three-day total of 18.1 inches (46 cm).

27 November 1898, New England: The Portland storm, named after the SS Portland howls across New England. A foot (30 cm) of snow blankets Boston Massachusetts, and 27 inches

(69 cm) covers New London Connecticut. Gale force winds along the coast reach 72 mph (116 km/h) at Boston and gust to 98 mph (157 km/h) at Block Island Rhode Island. The passenger ship SS Portland sinks off Cape Cod with the loss of all 191 persons aboard.

27 November 2006, Janesville, Wisconsin: Lightning kills five buffalo at a farm near Janesville including white buffalo calf born in August.

27-28 November 1912, Northern Florida: The only recorded November occurrence of snowfall in northern Florida. Traces of snow are reported in Blountstown, Tallahassee, Marianna and Mt. Pleasant measured 0.5 inches (1.2 cm).

28 November 1988, Raleigh, North Carolina: A powerful F4 tornado tears through one of the most densely populated areas of Raleigh during the early morning hours. The twister destroys hundreds of homes and damaging thousands more. The tornado kills four and injures 154 others over its 83-mile (133 km) path. Total damage is estimated at more than \$77 million.

29 November 1896, Havre, Montana: The temperature plummets to minus 51°F (-46.1°C).

29 November 2009, Western Texas Panhandle: Snow falls in the western Texas Panhandle with Nazareth covered by 4.0 inches (10 cm) and 3.0 inches (7.5 cm) just southwest of Amarillo, Texas.

30 November 1957, Honolulu, Hawaii: During Hurricane Nina, the highest wind gust in Honolulu history is reported at Honolulu Airport: 82 mph (132 km/h).