

OCTOBER 1979

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STORM DATA



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NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

ENVIRONMENTAL DATA AND
INFORMATION SERVICE

NATIONAL CLIMATIC CENTER
ASHEVILLE, N.C.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1979

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
ALABAMA Phenix City, Russell County	4	12:40p			0	0	0	0			Funnel Cloud
											Phenix City Police Department reported funnel cloud spotted over Opelika Road in Phenix City. No damage reported.
Eufaula, Barbour County	4	1:30p			0	0	0	0			Hail
											Department of Public Safety reported marble to golf ball sized hail during severe thunderstorm.
Near Bayou La Batre Mobile County	31	3:00p			0	0	2	0			Wind/Funnel Cloud
											Funnel cloud reported by Mobile County Civil Defense during thunderstorm. Several signs were blown down.
ALASKA Lower Cook Inlet	5				0	0	5	0			Heavy surf and high tides
											Fresh southwesterly winds began blowing in lower Cook Inlet on Oct. 5. Maximum monthly tides were on Oct. 5-6. Heavy surf in conjunction with the high tides washed away a substantial portion of a newly-constructed park development on the beach at Ninilchik.
Lower Cook Inlet	8				0	1	5	0			High wind and rough seas
											A large, slow-moving storm drifted northward in the western Gulf of Alaska Oct. 7-8. Gale to storm force winds spread over the North Gulf coastal waters, the Kodiak Island waters, and lower Cook Inlet on the afternoon of Oct. 8. A 36-foot shrimp boat, the "Angel Marie," ran into easterly winds up to 80 mph and seas 10 to 18 feet high on the night of Oct. 8-9 off the southwest tip of the Kenai Peninsula, and was blown onto the rocks in Chugach Bay. The two crew members miraculously survived by swimming ashore and walking 70 rugged miles back home to Seldovia. One of the crew suffered a gash on the hand; the boat was a total loss.
Southeast	9				0	0	4	0			Heavy rain, flash flooding and landslide
											A slow-moving occluded front approached southeast Alaska from the southern Gulf of Alaska Oct. 8-9. This front was associated with the storm that hit lower Cook Inlet Oct. 8 (see above.) Heavy rain fell over most of southeast Alaska in advance of the front. The storm total (Oct. 8-9) at Wrangell was 4.49" and at Juneau (city climatological station) 3.20" fell in 24 hours. Flash flooding caused minor damage on Jordan Creek, in the Mendenhall Valley drainage area near Juneau on Oct. 9. A large landslide swept down over the Zimovia Highway 4 mile and a half south of Wrangell on the morning of Oct. 9, blocking the road entirely and narrowly missing a school bus, a small apartment complex, and a trailer court.
Cook Inlet - Anchorage area	27-28				0	0	4	0			Heavy snow
											An outbreak of arctic air from the Kuskokwim Valley, to the northwest of Cook Inlet, caused heavy snow in the foothills of the Chugach Mountains, just east of Anchorage, on the night of Oct. 27-28. About 4 inches of snow fell in the Chugach foothills in a 12-hour period. The wet, heavy snow caused several power lines and utility poles to topple, causing power outages in the hills east of Anchorage on the morning of Oct. 28.
Cook Inlet - Anchorage area	29-30				0	0	5	0			High wind
											A strong occluded front approached Anchorage from the west on the evening of Oct. 29-30. Strong southeast winds blew ahead of the front in Anchorage that night. The strongest winds were in east Anchorage - near the Chugach Mountains - and were unofficially measured at 60 mph or more. There was widespread wind damage, primarily due to falling trees, power outages and some damage to buildings, particularly roofs. Several parked aircraft at Birchwood Airport, north of Anchorage, were flipped over and seriously damaged by the wind.
ARIZONA											NONE REPORTED
ARKANSAS Tucker Prison or 15 Miles Northeast of Pine Bluff - Jefferson County	3	8:20 p.			0	0	0	0			Hail
											Prison officials reported ping-pong ball sized hail. No damage was reported.
ARKANSAS (continued) Monticello - Drew County	3	10:00 p.			0	0	3	0			Lightning
											Lightning caused a fire which damaged a home. Damage was estimated at one thousand dollars.
Monroe and Prairie Counties	3	8:15 p. to 8:45 p.			0	0	?	?			Hail/High Winds
											Heavy thunderstorms produced hail and strong winds which damaged or destroyed several thousand acres of crops in both counties. The hardest hit area was a swath seven miles long and two miles wide near Peckerwood Lake in Prairie County. Several buildings also sustained damage in the Pine City area of Monroe County. No dollar estimate was available.
McRae - White County	22	3:45 a.			0	0	?	0			High Winds
											Thunderstorms produced strong winds which heavily damaged a two-story apartment building. No damage estimate was available.
North Little Rock - Pulaski County	22	5:30 a.			0	0	3	0			Lightning
											Lightning caused a fire which destroyed a metal storage building at a residence. Damage was estimated at one thousand dollars.
6.5 Miles Southeast of Lake Village - Chicot County	22	7:40 a.	1 1/2	75	1	2	4	0			Tornado
											A small tornado moving northeastward touched down just south of U.S. Highway 82 and destroyed a large metal shed. It then moved over Lake Chicot and struck two mobile homes. A twenty-year old pregnant lady in the mobile home was killed, and her husband and daughter were injured.
West Fork - Washington County	30	6:30 p.			0	0	5	0			High Winds
											Thunderstorms produced high winds that caused extensive damage to several homes and outbuildings in West Fork. Damage was estimated at over 50 thousand dollars.
Cecil - Franklin County	30	7:00 p.			0	0	4	0			High Winds
											Thunderstorms produced high winds that caused extensive damage to several homes and outbuildings in Cecil.
Crosses - Madison County	30	About 7:15 p.			0	2	4	0			High Winds
											Strong winds produced by thunderstorms damaged several homes and other buildings in the town. Two persons received minor injuries when they were hit by flying glass as storm struck their home.
Carroll County	30	7:30 p. to 8:30 p.			0	0	4	0			High Winds
											Heavy thunderstorms produced high winds which caused spotty damage around the county. The heaviest damage occurred at Blue Eye which is located on the Arkansas-Missouri line in the extreme northeastern part of the county.
CALIFORNIA NORTHERN & CENTRAL											NO REPORT RECEIVED
CALIFORNIA SOUTHERN											
San Diego area, San Diego County.	2	Evening			1		5				Heavy seas and surf.
											Heavy seas generated by a storm in the central Pacific reached the California coast on the 2nd and 3rd. A lobster fisherman was drowned as his boat overturned while trying to retrieve his lobster traps. Seas at the time were estimated at 8-10 ft. A tuna fishing seiner also sank in heavy seas south along the Baja California coast as a result of the same storm. Loss estimated at \$250,000.00.
Los Angeles County											None
Yone County	19										Wind Gusts approaching 100 mph were reported at the mammoth Airport by a reliable source.

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					KILLED	INJURED	PROPERTY	CROPS	
COLORADO Southeastern Plains	29-31				6	1	6	7	Blizzard
	<p>A severe blizzard roared across Southeastern Colorado, closing roads, stranding travelers, killing livestock, and generally paralyzing the area on the 30th and 31st. The storm produced winds as strong as 70 MPH, up to a foot of snow, and drifts 12 feet high. Almost all highways east and south of Denver were closed on the night of the 30th.</p> <p>The weather was at least partially responsible for six deaths in eastern Colorado. One man was killed and another injured in a rockslide west of Loveland in the Big Thompson Canyon. Heavy, wet snow was blamed for the slide. Three men were killed in a three-truck crash on US 40 near Kit Carson during ground blizzard conditions. A couple froze to death after their car became stuck in a snowdrift south of Canon on US 287, in the extreme southeastern corner of the state. About 50 people in all were stranded in their vehicles on that stretch of highway by the storm on the night of the 30th. Except for the couple, all were rescued by a convoy of snowplows on the 31st.</p> <p>Roughly 9.7 million dollars worth of crops were lost, including over 100,000 acres of grain. About 4000 head of livestock, valued at 1.3 million dollars, perished in the storm. Many power poles were knocked down, leaving about 7000 people in the southeastern corner of the state without electricity for a time. Some fences and farm buildings were also damaged, primarily by the storm's high winds. Total property damage was estimated at \$750,000.</p>								
CONNECTICUT Windsor Locks	3	3 PM	4.0	500	3	500	8	7	Tornado
	<p>Not apparent on radar or satellite a major tornado sliced through this town completely by surprise. A man was killed by flying lumber as he sought shelter in his pickup truck, and a woman was killed in her house as it was destroyed. She was dropped a hundred feet away. Several weeks after this great storm another person died of injuries. Over 100 houses and buildings were reduced to rubble. The nation's fourth largest historic aircraft collection was housed at the Bradley Air Museum. The storm threw aircraft upside down on top of automobiles and across streets. Sixteen planes were totally demolished including one weighing 100 tons. Thirteen others were badly damaged and hangar roofs were blown off. Tobacco was destroyed both in storage and in the field.</p>								
Ansonia Brooklyn Meriden New Britain Simsbury	3	2-4 PM			0	0	5	0	Lightning, flooding
	<p>In Ansonia lightning struck a school and damaged its chimney. Heavy downpours with thunderstorms caused much flooding of cellars especially in Meriden. In Brooklyn a TV set was blown up and a small fire was caused by lightning. In Simsbury five fires were started by lightning, and in Ansonia a house was partially burned.</p>								
DELAWARE Kent and Newcastle Counties	10				0	0	4	0	Snow
	<p>Unusually early snowstorm from morning to mid-afternoon. The Wilmington Weather Service Office measured 2 1/2 inches of heavy wet snow, the earliest measured snowfall in 83 years of record. Accumulation on trees still fully laden with leaves caused sagging and breaking of limbs which, in turn, snapped utility lines serving thousands of residents. Over the southern portion of the state precipitation was in the form of rain or mixed snow and rain.</p>								
FLORIDA Volusia County	1	8:30PM EDT			0	0	0	0	Funnel cloud
	<p>A funnel cloud was sighted 8 miles south-southeast of Daytona Beach Airport.</p>								
Broward County	4	12:45PM EDT			0	0	0	0	Waterspouts
	<p>The Coast Guard reported two waterspouts 1 1/2 miles east of Fort Everglades.</p>								
Palm Beach County	4	3:40PM EDT			0	0	0	0	Waterspout
	<p>Lake Worth Police Department reported a waterspout one half mile offshore and one half mile north of Lake Worth Beach.</p>								
Pinellas County	5	8:20AM EDT	2/10	30	0	0	4	0	Tornado, waterspouts
	<p>A small tornado touched down briefly in Seminole, causing minor damage in two neighborhoods. The twister dipped down on Walker Avenue and Grove Street and at the corner of 110th Terrace and 156th Avenue North. Principal damage was to roofs, trees, and utility lines. Two waterspouts were sighted by police off the Gulf Beaches. Both dissipated just offshore.</p>								
FLORIDA (continued)									
Lee County	11	9:15AM EDT			0	0	0	0	Waterspout
	<p>The Coast Guard reported a waterspout 3 miles west of Captiva Island. It moved westward.</p>								
Broward County	14	4:05PM EDT			0	0	0	0	Waterspout
	<p>A waterspout was reported 1 mile east of Fort Lauderdale.</p>								
Palm Beach County	26	12:25PM EDT			0	0	0	0	Waterspout
	<p>A waterspout was observed 5 miles east-southeast of Palm Beach.</p>								
GEORGIA									
Decatur County	4	1:00A			0	0	5	0	Lightning
	<p>Lightning struck a power line in West Bainbridge setting on fire 16 trailers loaded with peanuts.</p>								
Jones County	4	3:00P			0	0	4	0	Wind
	<p>High winds and hail lifted roof from barn and destroyed a number of pecan trees.</p>								
Bibb County	4	3:00P			0	0	4	0	Wind/Funnel Cloud
	<p>Strong thunderstorm winds knocked down trees and power lines and damaged roofs. Two funnel clouds spotted but did not touch ground. Hail "the size of quarters" fell on north Macon for 15 minutes.</p>								
Baldwin County	4	3:30P			0	0	0	0	Funnel Cloud
	<p>Funnel cloud sighted by deputy sheriff in northeast Baldwin County.</p>								
West-central Counties	4	1:30P to 3:30P			0	1	3	?	Hail, lightning, strong winds
	<p>Several reports of marble sized hail covering ground. Storm spotters reported golf ball sized hail from Manchester to Waverly Hall (Meriwether and Harris Counties). Some trees uprooted. Man injured in Muscogee County while turning on radio or stereo when lightning struck house.</p>								
Richmond County	4	5:00P			0	0	3	0	Wind, heavy rain
	<p>Strong thunderstorms produced 60 m.p.h. winds that uprooted trees and heavy rains that flooded some streets.</p>								
HAWAII									
NO REPORT RECEIVED									
IDAHO									
Adams, Valley, Ada, Canyon, Minidoka, and Cassia Counties	19	Morning & early afternoon			0	0	4	0	Wind
	<p>Strong winds blew trees onto power lines, automobiles, and buildings. A few small buildings were blown down. Power outages were widespread, but damage was light. Wind gusts to 52 m.p.h. were recorded at Burley, Cassia County.</p>								
ILLINOIS									
Champaign, Champaign County	1	2:50pm			0	2	3	0	Wind
	<p>Two construction men were injured while securing rafters on a building near Champaign. A strong gust of wind blew down the rafters and collapsed the building. Wind gusts at the time were measured at up to 35 knots.</p>								
Southern third	22	6:00-11am			0	0	4	0	Wind
	<p>Strong winds caused scattered property damage in the southern sections of the state during the morning. A 400 foot brick wall and another 300 foot brick wall of a supermarket under construction blew over near Edwardsville in Madison County. Another brick wall of a school under construction also blew over in Salem (Marion County). An aluminum silo dome blew down on a farm near West York (Crawford County) ripping a hole in a nearby barn roof. Damage to the silo was expected to exceed \$7,000.</p>								

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ILLINOIS (continued)									
Breeze, Clinton County	22	7:00am	2	?	0	0	4	?	Tornado
			A tornado touched down intermittently as it traveled about two miles. The tornado was observed to have touched down twice one mile south of Breeze lifting roofs and debris in the air in a twirling manner. Damage to out-buildings on one farm was estimated at \$26,000, while damage to another farm was estimated at \$3,000. Damage to a third farm was not substantiated.						
INDIANA									
Lebanon Boone County	1	730P			0	0	0	0	Hail
			The Sheriff's Department in Boone County reported marble-sized hail at Lebanon.						
Ferdinand Dubois County	1	8P			0	0	4	0	Wind
			Two cars, roofs, metal building, and shed were destroyed or damaged by winds and blown down trees in the Ferdinand area.						
Brazil Clay County	1	553P			0	0	0	0	Hail
			Marble-size hail fell at Brazil.						
Laporte Laporte County	1	620P			0	0	3	0	Lightning
			A Laporte home was set on fire by lightning striking the roof.						
Greencastle Putnam County	1	630P			0	0	0	0	Hail, wind
			Marble-size hail at Greencastle, power was out at Bainbridge.						
Vigo County	1	635P			0	0	0	0	Hail
			Marble-sized hail at Vigo City.						
Wabash County	1	710P	Short	Narrow	0	0	0	0	Tornado
			A tornado was sighted by the public one mile north of Wabash moving east.						
North Webster Kosciusko County	1	715P			0	0	0	0	Wind
			Trees down, power out.						
Cicero Hamilton County	1	814P			0	0	0	0	Hail
			Hail larger than marbles fell at Cicero.						
Carmel Hamilton County	1	815P			0	0	3	0	Wind
			Patho roof destroyed in northwest Carmel.						
Noblesville Hamilton County	1	825P			0	1	3	0	Wind
			At 296th Street and Highway 19, two miles north of Noblesville, four homes had wind damage to shingles, roofs, doors, and glass.						
Logansport Cass County	1	722P			0	0	4	0	Lightning
			A mobile home was struck by lightning near the Logansport Airport. Fire destroyed the home.						
Whitley County	1	730P	Short	Narrow	0	0	0	0	Tornado
			Tornado sighted by the public in southwest Whitley County near the intersection of SR105 and CR800S. No damage.						
Lagrange Lagrange County	1	730P			0	0	3	0	Wind
			Utility poles and trees were blown down at Lagrange. A tree crushed a phone booth.						
Cloverdale Putnam County	1	730P			0	0	5	0	Hail and wind
			Trees were blown down. Clover, Curt Beauty Shop, barn and other buildings were damaged. Golf-ball size hail was reported.						
INDIANA (continued)									
Pendleton Madison County	1	830P			0	0	0	0	Hail
			Marble-size hail fell just west of Pendleton.						
Noblesville Hamilton County	1	831P	Short	Narrow	0	0	0	0	Tornado
			Tornado sighted two miles north of Noblesville by the State Police, moving east/northeast.						
Delaware County	1	900P			0	0	0	0	Funnel cloud
			Two funnel clouds were sighted in southwest Delaware County three miles south and nine miles west of Muncie moving northeast. Reported by the Delaware Sheriff Department.						
	1	915P			0	0	0	0	Wind
			Trees and power lines down at Yorktown. Reported by Delaware County Sheriff Department.						
Bloomington Monroe County	1	800P			0	0	4	0	Lightning, wind
			Trees downed by wind and lightning. A house, three cars and power lines were damaged.						
Mooreville Morgan County	1	802P	Short	Narrow	0	0	0	0	Tornado
			Tornado sighted by the public near Mooreville. Police checked, no damage.						
Logansport Cass County	1	720P			0	0	4	0	Lightning
			A mobile home was destroyed. Lightning struck a tree and a mobile home.						
Laporte Laporte County	6	136P	Short	Narrow	0	0	4	0	Tornado
			A patrolman of the State Police from the Lowell Post saw a touchdown near Fall Road and Toll Road intersection at Laporte City. Don Young, Assistant Fire Chief in Springfield Township, Laporte City area, watched a twister from formation to dissipation. It tore roofing paper off a barn near Don Young's home. Cold air type mini-tornadoes.						
Southport Marion County	8	120P			0	0	0	0	Hail
			Half inch to one inch hail reported near Highway 31 in the vicinity of Southport. Hail did not cover the ground.						
Fairland Shelby County	8	145P			0	0	0	0	Hail
			Three fourths inch to one inch hail fell just east of Fairland.						
Southport Marion County	8	330P			0	0	0	0	Hail
			Hail one to one and a half inches in size stripped leaves off trees one to four miles south of I-465 on Highway 431 west of Southport.						
Winchester Randolph County	8	356P			0	0	0	0	Hail
			Red Key Post State Police said marble-sized hail fell in Winchester.						
Lafayette Tippecanoe County	22	1243P			0	0	0	0	Wind
			Lafayette Airport reported wind gusts to 59 mph.						
Roachdale Putnam County	22	135P			0	0	0	0	Funnel cloud
			A funnel cloud was sighted by storm spotters in the Roachdale area moving northeast.						

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IOWA			NO REPORT RECEIVED								
KANSAS											
Ottawa, Clay, Riley, and Pottawatomie Counties	18	3:17 p	69	400	0	11	6	5	Tornado		
			A tornado touched down 5 miles northeast of Minnneapolis and moved east-northeast on the ground about 40 percent of the time reaching south of Clay Center about 4:15 pm and north of Leonardville about 4:35 pm and touched down briefly 2 miles north of Westmoreland about 5:30 pm. Longest damage path and greatest damage was 8 miles long and 1/2 mile wide beginning 2-1/2 miles southeast of Clay Center where an egg farm was destroyed and 11 persons were injured - mostly by flying debris. Farm buildings, homes, mobile homes, and utility lines were damaged or destroyed. Some livestock were killed as well as many of the 100,000 chickens at the egg farm. Heavy rain hail and strong winds were also reported along the storm path with the funnel cloud obscured much of the time.								
Reno and Harvey Counties	18	4:30 p					4	5	Hail		
			Thunderstorms moving east-northeast produced scattered hail with some hailstones up to an inch in diameter south of Burrton and up to 3-1/2 inches in diameter 5 miles south of Hutchinson. Damage was to row crops with minor damage to farm buildings.								
Pottawatomie, Jackson and Atchison Counties	18	4:52 p	58	200	0	5	5	5	Tornado		
			A funnel cloud observed northeast of St. George about 4:45 pm touched down near Louisville at 4:52 pm and dipped to the ground a few more times as it moved east-northeast and dissipated north of Effingham about 6:35 pm. A man was injured west of Louisville when his truck was blown off the road. Four persons were injured when a barn they were in was destroyed just west of Louisville and farm damage was heavy northeast of Louisville. Damage was to homes, mobile homes, farm buildings, utility lines, and row crops. Several head of livestock were killed, or had to be destroyed as a result of injuries. Heavy rain, hail, and damaging winds were reported near the storm path which was from near Louisville to 8 miles west of Holton to 4 miles north of Holton to 2 miles north of Effingham.								
Riley County	18	5:50 p					5	0	Lightning		
			Heavy thunderstorms moving northeast were accompanied by severe lightning, heavy showers, and strong gusty winds. Reports of funnel clouds could not be confirmed although there was minor wind damage to property. Lightning strikes caused a few small fires and some minor home damage. Lightning struck a large hay barn at Kansas State University and the resultant fire destroyed the barn and thousands of bales of hay.								
Harper, Sedgwick, and Harvey Counties	21	5:30 p to 6:15 p					6	5	Hail		
			Strong thunderstorms moved rapidly northeast along an east-moving squall line producing locally large hail and strong winds. Hailstones were up to 1-3/4 inches in diameter in Harper County and up to 3 inches in diameter around Wichita. Considerable damage was to roofs and windows, trees, utility lines, and crops.								
Morris, Wabaunsee, and Jackson Counties	21	5:15 p					5	0	Wind, Funnels		
			Strong thunderstorms moving northeast were accompanied by heavy showers and strong winds. Funnel clouds were reported as follows: 5:15 pm 6 miles north of Council Grove, 5:30 pm 4 miles northeast of Alta Vista, 5:55 pm south of St. Marys, 6:55 pm north of Hoyt, and 7:00 pm southeast of Holton. None of the funnels is known to have touched down but scattered minor wind damage was reported in northeast Morris County and east Jackson County.								
Atchison County	21	6:45 p	3	100	0	1	5	0	Tornado		
			A funnel observed moving northeast over Effingham about 6:35 pm apparently dipped to, or near to, the ground from 2 miles west of to 2 miles north of Lancaster. Scattered damage was to farm homes, buildings, equipment, and utility lines. A girl received minor injuries when struck by flying debris. Heavy showers occurred with the storm.								
West quarter of the state	30-31						7	0	Snow, wind (blizzard)		
			A strong winter storm moved into northwest Kansas early on the morning of the 30th, spread to the southwest section by evening, and diminished early on the 31st. Winds to over 50 mph and heavy wet snow caused widespread damage and resulted in a number of major highways being closed for more than 12 hours. Average snow depth varied from 10 to 12 inches in a band from Goodland to Burlington, Colorado down to 4 inches or less near the eastern edge of the storm. Several hundred miles of transmission lines and over 7,000 utility poles were downed. Electricity was not restored to some areas for nearly three weeks. Over 8,900 head of livestock were known to be lost - mostly due to suffocation when the wet snow caused breathing difficulties. Greatest damage was in the western two tiers of counties from Cheyenne and Reynolds south through Norton and Stevens.								
KANSAS (continued)											
Sedgwick	30	1:30 p					0	3	5	0	Wind
			Strong thunderstorms moving northeast produced locally damaging wind. Greatest damage was to a mobile home park 10 miles southwest of the Wichita airport. 8 mobile homes were damaged or destroyed and 3 minor injuries were reported.								
KENTUCKY											
Davies CY	01	Eve						4	4		Svr. Tstm
			A severe thunderstorm damaged several homes in Knottsville, KY. Two barns were flattened.								
Grayson CY	01	Eve						4	4		Svr Tstm
			High winds caused extensive damage to a farm in the Huff community 8 miles west of Leitchfield. Two barns, a silo, and numerous trees were knocked down and a cornfield was flattened.								
LOUISIANA											
St. Bernard Parish	14	Midnight	0	0	2	0	4	0			Wind
			A cold front moving through the coastal waters of southeast Louisiana swamped and sunk a 25 foot boat in Chandeleur Sound. A 57 year old man and a 30 year old woman drown. No thunderstorms were reported in the area.								
Calcasieu Parish	22	9:15 AM	1	500	0	11	6	0			Tornado
			A line thunderstorms moving through southwest Louisiana produced a tornado which struck the town of Sulphur. An estimated \$1.5 to 2 million in damage was left in the wake of the storm with 11 injuries none serious. Seven of the injured were school children from an elementary school, one of the first structures hit. The other injuries were scattered cuts and bruises. A total of 59 trailers, 13 homes, 7 businesses, a elementary school, and a church incurred damage.								
Cameron Parish	22	9:30 AM	1	550	0	6	6	0			Tornado
			The same line of thunderstorms mentioned above produced a second tornado which struck the small coastal community of Holly Beach. Six people suffered minor injuries with approximately \$1 million dollars in damage. The damage consisted of 21 buildings destroyed, 11 buildings with major damage and 22 with minor damage. The two tornadoes were on the ground for about a mile each and moved from southwest to northeast.								
Tensas Parish	22	10:35 AM					0	0	4	0	Thunderstorm
			A thunderstorm moved through the community of Tensas destroying one trailer and leaving minor damage to other residences.								
West Carroll Parish	28	5:00 PM					0	0	3	0	Thunderstorm
			Strong winds from a thunderstorm heavily damaged 2 trailers and left a school building, several barns and storage sheds with minor damage in the community of Goodwill.								
Ascension and West Baton Rouge Parishes	29	Morning					0	0	4	0	Fog
			Dense early morning fog created hazardous driving conditions and caused three separate multiple vehicle accidents. Two of the pile-ups involved 8 and 21 vehicles on Interstate 10 in Ascension Parish and the other involved 22 vehicles on U. S. 190 in West Baton Rouge Parish. No injuries were reported.								
Lafayette Parish	30	1:00 AM					0	0	3	0	Thunderstorm
			Thunderstorm winds moved three trailers off their blocks and did minor damage to 2 other trailers in a trailer park near Broussard.								
Jefferson Davis Parish	30	6:00 AM					0	0	3	0	Thunderstorm
			Gusty winds produced by a thunderstorm left minor damage to 2 trailers, a frame house, a barn, and some trees near Bell City.								
Calcasieu Parish	30	Morning					0	1	3	0	Thunderstorm
			Strong thunderstorm winds caused some minor damage to a few homes trailers, and trees in West Hall and Moss Lake. A woman suffered minor cuts from glass broken by flying debris.								
Bossier Parish	30	Evening					0	0	3	0	Thunderstorm
			A few trailers in a trailer park near Bossier City incurred some minor damage from thunderstorm winds.								
MAINE											
Cumberland, Cumberland County	3	7-8p					0	0	3	0	Lightning
			A bolt of lightning blew a hole in local residence and caused electrical damage to fuse box. No blaze resulted. Damage estimated at \$1,000.								
Nrn Aroostook County	6	10a-6p					0	0	4	0	Strong Winds
			Strong south winds, caused by a very deep low just west of Quebec City, Quebec, blew trees and tree limbs onto power lines and snapped a number of utility poles in the Portage Lake, Masardis and Ft. Kent, Allagash areas with 2,000 customers affected by power outages. Telephone service out for 150 customers mostly in New Sweden and Portage Lake areas. Caribou had peak wind of 59 mph.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1979

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
MAINE (continued)									
New Meadows River, Cumberland County	7	5:44 p			2	0	0	0	Lightning
									Lightning killed a father and son who were working in a 14-foot open skiff. The accident occurred about one-quarter mile offshore in the basin section of the New Meadows River between Phippsburg and Cundy's Harbor.
Mechanic Falls, Androscoggin County	24	3:30p			0	0	2	0	Lightning
									Lightning hit tree and house. Damaged three clocks, five panes of glass around front door and two callar windows.
MARYLAND & D.C.									
Central	1	Early AM			0	0	3	0	Rain
									Up to 3 inches of rain caused several roads to be closed in Frederick, Carroll and Howard Counties. Some families were forced to evacuate in the Marriotsville and Elbridge sections of Howard County.
Harford County and Baltimore City	5	11:30 a			0	1	5	0	Wind, Lightning
									A cold front initiated intense thunderstorm activity in the area with localized strong winds causing damage, especially in the south-east section of Baltimore. Several homes and businesses reported broken windows and some structural damage. A small car was turned upside-down...the driver receiving a fractured shoulder. Elsewhere in the area an unoccupied tractor-trailer was blown over. Shortly after lightning struck 10 insulators of an overhead power line, causing a delay of two and a half hours in Amtrak service between Washington, D.C. and Wilmington, Delaware.
Statewide and District of Columbia	10	Early AM-Afternoon			0	0	5	0	Snow
									Unusually early snowfall...in some sections the earliest on record. The heavy, wet snow accumulated 4 to 6 inches over portions of Frederick, Montgomery and Carroll Counties with 1 to 2 inches common elsewhere. Buildup on fully leafed trees resulted in considerable damage. Trees were pulled to the ground or had limbs snapped off, blocking roads and causing widespread power line breakage. Due lack of electricity many schools over the region had to close. In the Washington, D.C. area some 72,000 households had power outages in what was the earliest snowfall since October 5th, 1892.
MASSACHUSETTS									
Statewide	3	aftrn.			0	0	6	0	Lightning, heavy rain, wind
									In Revere lightning struck a church steeple causing extensive destruction, and in Cambridge a two family house lost its roof to a bolt. High winds in Agawam blew a roof off a school and in Feeding Hills about 200 homes sustained wind damage between \$200 and \$20,000 each. 2-3" of rain per hour fell across the entire state causing extensive flooding of highways and underpasses. A woman was rescued from a railroad underpass as flooding overcame her bar. As is very often the case railroad underpasses prove to be dangerous, flood prone highway locations. Thousands of cellars were flooded statewide. In Middleboro, a roof was blown off a large barn. Several very localized "wind blasts" or possible weak "mini tornadoes" occurred in several locations. It was possible that the great tornado in Windsor Locks, CT. carried a percentage of its effects northward as far as Leverett.
MICHIGAN									
7 N Muskegon, Muskegon County	3	6PM			0	0	0	0	Funnel Cloud
									Coast Guard sighted a funnel cloud aloft that moved a short distance eastward before retreating into the clouds and dissipating.
Entrance to Muskegon channel, Lake Michigan.	3	7PM	4	20	0	0	3	0	Waterspout and Hail
									Waterspout moved across one corner of tugboat covering the deck with golf ball size hail. No major damage was reported except for a barge hung up on a breakwater.
2 SW New Buffalo, Berrien county.	6	12:02PM	0.2	60	0	0	4	0	Tornado
									Tornado touchdown along Wilson road and Michigan State Highway 12. Damage occurred to one residence, barn, and chicken house. Additional damage to a camper trailer and numerous trees uprooted.
Ionia, Ionia county	20	After-noon			0	2	4	0	Severe Thunder-storm
									Winds up to 48 mph reported in a thunderstorm that swept across the city. The windows of a glass-enclosed porch at 1030 Baynor road were blown out, resulting in minor injury from glass splinters to two residents in the home. Additional damage was caused to the roof and siding of the home and to a garage and two storage sheds.

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					KILLED	INJURED	PROPERTY	CROPS	
MINNESOTA									
									NONE REPORTED
MISSISSIPPI									
Coshona County	8	11:20 a.			0	0	5	0	Gusty wind
									Part of an automobile dealers roof fell in on some new cars as a gust of wind hit the building. Several new cars were damaged.
MISSOURI									
St. Joseph, Buchanan County	18	7:45 pm	?	?	0	0	3	0	Wind
									The roof was torn from the Floyd Smith residence south of St. Joseph in the East Hills Addition. Next door at the Arthur Felt residence, a chain link fence and a utility shed were damaged. A 2 x 4 piece of lumber was hurled into twisted power lines in a tree. Wires and trees were blown down in the city.
Andrew and Buchanan Counties	21	7:30 pm	?	?	0	0	4	0	Wind
									High winds caused extensive damage to the south part of Country Club Village in southern Andrew County. It took the roofs off of houses, leveled trees, and broke windows. Howard Burton had the south side of his roof taken off, two trees uprooted, the back of his house damaged, and a trailer moved a good ten feet. There was some water damage to the paneling in the rooms and the ceiling began to sag. At the Byrne Logan residence, a 150-year-old oak tree was uprooted. It fell between the garage and the house, doing no damage other than ripping out power lines. The home of Wayne Gungelman was extensively damaged inside and out. A canopy over the gas pumps at the State Highway Patrol's Troop H headquarters was damaged and a tree was toppled onto a car near Krug Park. There were numerous reports of power and telephone lines down inside St. Joseph. At the north end of the city, Bob Russell's barn was heavily damaged. The wind took the whole roof off and knocked down parts of the walls. Most of the barn went down on Russell's truck. James Hart reported a chicken coop at his farm was picked up and carried about 40 feet by the wind. On the Lloyd Adams farm in Andrew County, many windows on the house were blown out, the garage twisted, a grain elevator and other buildings turned over, and roofs torn off other structures. Other damage was reported on the Ron Hailey and Clifton Eberold farms.
Clay County	21	9:30 pm	?	?	0	0	4	0	Wind
									Two trailer homes were moved off their foundations. One trailer had the roof lifted along the south side with quite a bit of damage both inside and out. Numerous awnings and sheds were destroyed across the trailer park.
Jasper County	21	11:10 pm	?	?	1	7	5	0	Wind
									A rural Jasper County woman was killed and at least seven other persons injured as violent winds swept through the county. Mrs. Alma T. Helms, 77, was killed and her son Arthur injured when the high winds overturned their mobile home in the Galesburg area, 14 miles north of Joplin. Donald Helms, 44, received minor injuries when windows were broken out of the house in which he was staying next to the trailer. Just prior to this, high winds struck the Central City area, two miles west of Joplin. Georje MacFarland, 90, and Samuel Haddock, 26, his wife Maurine, 25, and their two children, Zaack, 6, and Trudy, 3, were treated at a Joplin hospital and released after their mobile homes were damaged. First indications of the storm came when a tornado was reported on the ground about two miles east of Galena, Kansas, followed by damaging winds overturning all five mobile homes in the Central City area, demolishing two. The storm also downed many trees and power poles, causing power outages throughout Jasper County. Store windows were blown out in Joplin, but no one was injured there. On the Richard Gastel farm northeast of Jasper, the wind extensively damaged a 70 x 80-foot steel building plus another smaller shed, four hog sheds, and a silo, while two other buildings lost their roofs. A patio roof on the house was destroyed. Several power poles were snapped, causing wires to break and strike the ground. As a result, many residents lost power for a short period of time.
Barry County	21	11:45 pm	2 1/2	400	0	0	4	0	Tornado
									A tornado, mostly aloft, cut a path of destruction through the rural area south and east of Monett, uprooting trees, lifting roofs from homes and outbuildings, destroying fences, and spreading debris for miles around. The tornado apparently touched down about three-quarters of a mile north of Purdy and moved northeast to just south of Highway 2, 4 1/2 miles east of Monett. Damage was probably most severe at the Birkenbach place where a new home was damaged, the roof and portions of the walls of a concrete block shed were carried away, and appliances and machinery connected in the shop were disconnected. Portions of the roof of the house were located several miles to the northeast, and stereo speakers were found in a nearby field. Also heavily damaged was the Mark Edwards home, where the roof on the front porch was destroyed and a portion of the barn roof was lifted. The Norman Reynaud home, located east of the Edwards home, was heavily damaged with windows shattered and debris carried for miles. A tree was uprooted and fell across the rear of the home, resulting in heavy damage. There was additional property damage on neighboring farms and homes.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1979

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
MISSOURI (continued)										
Stone County	22	12:15 am	?	?	0	0	4	0		Wind
In Crane, at the AFS casket manufacturing plant, roof damage in excess of \$20,000 was reported, and at the Stone County Oil Company a small metal utility building was blown over and a fuel pump knocked down. A large section of the sheet metal fence along the north side of Tootie Parson Memorial Stadium was ripped out. There were reports of damage in the rural area also. Numerous trees were down, a hay barn was destroyed at the Hubert Flood farm, and a shed was extensively damaged at the Junior Curbow farm. Several farm buildings in the northeast corner of the county were leveled.										
Springfield, Greene County	22	12:35 am	?	?	0	0	3	0		Wind
Gusts to 52 knots were recorded at the Weather Service Office in Springfield. Four houses in a row had trees down plus other damage. A 50-foot Citizens Band radio tower was blown down from Bill Fleming's roof, his TV antenna was twisted and torn down, and three concrete blocks from a neighbor's property were left in his driveway. A 30-foot elm tree was also down on his property but missed the house. Power lines, billboards, and signs were also damaged.										
Knox, Randolph, and Shelby Counties	22	2 am	?	?	0	0	5	0		Wind
In Knox County, the entire roof of the Simmons house three miles west of Plevna was torn off and parts of the ceiling were lost. Walls were shifted, and even a fireplace was moved when the incident occurred. Heavy rains followed and heavily damaged many of the household furnishings. A beam running the length of the house was thrown approximately 50 yards. A barn located about 100 feet west of the house was knocked down by the winds, and a machine shed to the north of the house lost a west door which struck the house. The only other damage in the county was to a grove of trees near Newark. In Randolph County, high winds caused damage to a small area between Cairo and Jacksonville on Highway 68. At the Wayne White residence, the patio roof was blown to the front yard, shingles and trim were damaged and scattered, framework on the house roof was damaged, and the roof on the upstairs of the home was pulled away from the house about an inch. At the Ed Boegers house, 2 1/2 miles southeast of the Whites', a lightpole was broken, a window blown from the garage, a barn partially blown down, and a cow was injured. In Shelby County, a 12 x 60 trailer home and a large machine shed were destroyed on the Bernard Mettes farm. The trailer had its entire roof taken off with the south side of the trailer blown in. The machine shed lost its complete southeast-side roof and rafters and metal sheeting, with the east side being blown until it separated at the corner about three feet. A ladder standing on the north side of the shed was not moved. Debris from the trailer and machine shed, along with a camper pickup cover, were scattered northeast across a quarter-mile path. Several area farmers around Cherry Box reported hog huts and houses turned over, and Clarence residents lost some shingles and windows.										
Southwest	30	6:30 pm	?	?	0	0	4	0		Severe Thunderstorm
Severe thunderstorms roared through southwest Missouri, producing damaging winds and lightning. There was major damage around the Missouri Lakes Recreational Area in southwest Missouri. The most serious damage occurred when lightning caused a fire at the Cape Fair boat dock on Table Rock Lake. Lightning hit a utility pole which set the dock ablaze. At Rogersville, Webster County, the Junior high school suffered roof and window damage. Lightning also caused several power outages. At West Plains, Howell County, scattered wind damage was reported. A storage shed was blown 100 feet before landing in Lowell Harris' backyard. At Hayes Bargin City and Lumber Company, the wind ripped several poles from the ground that had been set four feet deep. Linda Stripe's mobile home started bouncing so violently that it moved 12 feet from its pad. In Blue Eye, Taney County, the fire station was completely destroyed, and the roof of the school was blown away.										
Barry, Southwest Lawrence, and Northeast Christian Counties	30	7:12 pm	20	35	0	9	6	0		Tornado
A tornado, mostly aloft, caused extensive damage over the southwest towns of Marionville, Reavisville, and Jenkins. The initial report of the tornado came from Jenkins where several barns, mobile homes, and roofs of buildings were damaged, causing two injuries. Hardest hit was the Guantly store which was a total loss. The tornado then tracked north to Reavisville where it injured three people. Wayne Pearson and his parents were injured when the front section and roof of their home was destroyed. Damage was greatest in Marionville. Hardest hit was the Country Village Shopping Center. All six of the occupied stores received damage with Scott's IGA suffering severe damage. A nearby Pronto store, Dairy Crest, and the Reeve Hotel sustained extensive damage. Many power lines were downed in Marionville. At Stark Brothers Nursery, metal outbuildings, fences, and trees were damaged. Five and six-foot pieces of steel roofing lay in fields smashed against fences and draped around small trees.										
MONTANA										
Treasure County	19	Afternoon			0	0	5	0		Strong Wind
Strong winds destroyed a 40 x 106 foot steel building										
NEBRASKA										
Thayer County	18	6:05 PM	4	50	0	0	5	3		Tornado
A tornado touched down 2 miles southwest of Hebbron and moved east through south portions of Hebbron before dissipating. Damage was reported to three houses and a mobile home and auto windows were blown in. Numerous trees were downed and a farm had a barn and small buildings destroyed along with damage to a grain dryer.										
North Central	21	Afternoon into Evening			0	0	0	0		Heavy snow
Heavy wet snow fell with 6 to 8 inches reported in Millen, Thedford and Wood Lake area.										
Panhandle and North Central	29-30	Night to Early Afternoon			0	0	5	0		Heavy Snow
Wet snow fell with depths averaging 2 to 5 inches in the southern panhandle upwards to 5 to 10 inches in the northern panhandle and western Cherry County. Greatest snowfall reported was 10 inches at Harrison where gusty winds drifted the snow to depths of 2 to 4 feet. The wet snow broke trees and power lines.										
Central and North Central	30-31	Late Night to Midday			0	0	5	?		Snow and Freezing Rain
Wet snow mixed at times with freezing rain and driven by winds gusting to 40 to 50 m.p.h. downed numerous power lines and trees. Many towns and farms were without power with an estimated 50,000 customers affected. Hardest hit areas were around Broken Bow, Besset, Burwell, Loop City and Holdrege. Snow was heavy at times with near blizzard conditions. Heaviest reported snowfalls were 6 inches at Holdrege and around 4 inches in the sandhills.										
NEVADA										
Reno	25	0930			0	0	5	0		Windstorm
Gusts to 65 mph at Reno Airport. Several semi-trucks were blown over and several signs and trees blown down.										
NEW HAMPSHIRE										
North Newport, Sullivan County	3	4:30 p.m.			0	0	3	0		Lightning
A bolt of lightning struck a barn. It started a fire which completely demolished the building.										
Winchester, Marlborough, Jaffrey area, Cheshire County	3	4 - 5 pm			0	0	4	0		Heavy Rain and Strong Wind
Heavy rain and strong winds downed trees and utility lines, knocking out the Jaffrey telephone service for several hours. Between 500 to 1,000 customers had power outages. Three quarters to one and one-half inches of rain fell in one hour.										
NEW JERSEY										
Coastal	3	abt 7 a	3		0	?	5	?		Thunderstorm, High Winds
A severe thunderstorm with winds up to 70 mph, ripped a three mile wide path through parts of Franklin Township, uprooting trees, destroying a mobile home, blew the roof off of several homes and businesses, and caused spot power outages. Monroe township and Gloucester County were also struck by the storm. Damages were estimated at \$200,000 by the mayor of Franklin.										
	10	a.m.			0	0	?	?		First snow in 17 years on this date
The surprise snowstorm was part of a howling storm that blew across the entire Northeastern part of the nation from Canada. Little if any snow accumulated on the ground, but the storm left thousand of New Jersey residents and businesses without power as tree limbs loaded with leaves were saturated with water and fell on power lines.										
NEW MEXICO										
Northeast half of Union County	30	Daytime			0	0	7	?		Blizzard
Intense and deepening low pressure center Oklahoma Panhandle area brought severe blizzard conditions throughout the day. Snow and blowing snow closed most roads and stranded motorists. An estimated 3,000 cattle killed in New Mexico. Also corn and milo crop damage and many windmills lost. Wind at Clayton WSO measured to 66 mph.										

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1979

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NEW YORK COASTAL Extreme Southeast, Nassau, Suffolk Co. Metropolitan Area	10	8a-3p			0	0	?	?	Snow, Waterspouts
	<p>A cold front mixed with a rush of cold Canadian air caused the surprise snowstorm across the Northeastern part of the nation. In Central Park a trace of snow was recorded, it was just the second time that snow had fallen this early in the year. A trace fell on October 10, 1925. Most of the snow melted soon after it touched the ground.</p> <p>The dramatic elements of the storm in the Metropolitan Area were series of waterspouts in New York Harbor, near the Verrazano-Narrows Bridge. They were caused by the clash between the cold Canadian air and the ocean water, which was still at a relatively mild temperature, in the upper 30s.</p>								
NEW YORK CENTRAL ESSEX AND FRANKLIN COUNTIES	6	7P - 10P			0	0	5	0	WIND
	<p>WINDS UP TO 70 MPH PICKED UP A PARTIALLY CONSTRUCTED BUILDING IN THE LAKE PLACID AREA AND SCATTERED PIECES OF THE STRUCTURE 200 FEET AWAY. SEVERAL TREES WERE REPORTED DOWNED BY THE STRONG WINDS, ONE OF WHICH FELL ON AN AUTOMOBILE PARKED IN A DRIVEWAY.</p>								
HUDSON & CHAMPLAIN VALLEYS, CATSKILL & ADIRONDACK MOUNTAIN REGIONS.	10	5A - 12P			0	0	4		SNOWSTORM
	<p>UP TO 7 1/2 INCHES OF SNOW FELL IN THE AREA WITH THE HIGHEST SNOW AMOUNTS BEING RECORDED IN THE HIGHER ELEVATIONS OF THE SOUTHERN PORTIONS OF THE AREA. MANY AREAS REPORTED POWER OUTAGES AND DOWNED TREE LIMBS DUE TO THE WEIGHT OF THE WET SNOW. MOTORISTS WERE CAUGHT UNPREPARED, WITHOUT SNOW TIRES, RESULTING IN NUMEROUS TRAFFIC ACCIDENTS DUE TO THE SLIPPERY CONDITIONS. MUCH OF THE SNOW TURNED TO RAIN IN THE AFTERNOON.</p>								
NEW YORK WESTERN					NONE REPORTED				
NORTH CAROLINA									
Washington County	2	12:00 noon			0	1	0	0	Lightning
	<p>A man in Plymouth, NC was knocked unconscious by lightning.</p>								
NORTH DAKOTA									
Cogswell 3NW (Sargent County)	11	2 pm CST	?	?	0	0	3	2	Tornado
	<p>A tornado destroyed a barn roof, moved a granary off its foundation, and damaged some sunflower fields.</p>								
Eastern third of State	31	--	--	--	0	0	0	5	C Winter Storm
	<p>An early winter storm hit the eastern third of North Dakota with up to 6 inches of snow, sleet, rain and high winds. The snow, along with falling temperatures and strong northern winds, made travel hazardous because of blowing and drifting snow and slippery roads. The slippery road conditions were partly to blame for two accidents; including one in which three people were injured (one fatally), and one in which a school bus flipped over. Heavy accumulations of ice and snow caused power lines to snap in high winds (gusts up to 52 mph were recorded at the Fargo airport) leaving about 4,000 residents without power. The sunflower harvest was delayed by the cool, damp weather and some sunflower heads drooped because of heavy ice accumulations.</p>								
OHIO					NONE REPORTED				
OKLAHOMA Major and Garfield Counties	17	2:00a			0	0	?	?	Hail
	<p>Hail between dime and half dollar size, fell at Ringwood and Drummond for 20 to 30 minutes. Damage was heaviest at Drummond where extensive roof and window damage occurred. Most of the damage at Ringwood was to trees.</p>								
OKLAHOMA (continued)									
Custer County	17	early morning			0	0	?	?	Hail
	<p>Hail up to 1 inch in diameter, occurred over much of the County. The hail was first reported in the Washita National Wildlife Refuge at about 2 am. More than 3500 birds were killed and 1500 to 2000 injured at the Refuge. The hail hit Clinton shortly before 3:30 am and fell for about 10 minutes. Damage occurred to cars and roofs. Damage occurred to much of the cotton crop with the heaviest crop damage between Clinton and Strafford.</p>								
Grant County	21	6:30p			0	0	4	0	Windstorm
	<p>Strong winds destroyed a 40x30 foot hay barn located 5 miles west and 3/4 miles south of Lamont.</p>								
Maurika, Jefferson County	21	7:15p			0	0	5	?	Windstorm, Hail
	<p>Damage scattered over much of the town. One mobile home was blown off its blocks and a travel trailer overturned. Tree and roof damage was heavy. "Large" hail was reported with the storm.</p>								
Oklahoma City Area	21	evening			0	0	3	0	Windstorm
	<p>Winds of 50 to 60 mph were reported over much of the metropolitan area with unofficial gusts of 80 to 90 mph. Power lines were downed with isolated tree damage.</p>								
Shawnee, Pottawatomie County	21	7:30p			0	0	?	?	Windstorm
	<p>Tree sign and roof damage occurred as a line of thunderstorms moved through the area.</p>								
Lincoln County	21	8:00p			0	0	4	?	Windstorm
	<p>At Davenport, high winds overturned light structures at the fair-ground, ripped up the roof on a city maintenance barn, and overturned a travel trailer. On SH 18, south of Chandler, a barn was destroyed and trees uprooted. Southwest of Chandler, a porch was ripped away from a house. Tree damage was reported over much of the County.</p>								
Carter County	21	8:06p			0	0	4	?	Windstorm, Hail
	<p>At Haldton, strong winds demolished a mobile home and damaged two other houses. Heavy rain accompanied the storm with hail, up to golfball size, reported at Haldton, Ryan, and Wilson.</p>								
Oak Grove, Murray County	21	8:10p	1	60	0	0	4	0	Tornado
	<p>A possible tornado was first identified by radar about 15 miles west southwest of Davis at about 7:40 pm. The funnel was first sighted aloft about 4 miles north and west of Sulphur. It struck the Oak Grove community (about 7 miles north of Sulphur) and caused considerable damage. A mobile home was demolished and the roof of a nearby home destroyed. Other farm buildings were damaged.</p>								
Pawnee County	21	8:30p			0	4	4	0	Windstorm
	<p>At Terlton, a mobile home was destroyed when it was flipped over by strong winds. Another mobile home had its front end moved about 10 feet off its foundation. Two persons were injured. Damage also occurred to the Terlton gym. Two other persons were injured at Jennings when their mobile home was destroyed. A nearby barn was also destroyed. Many sheds and trees were damaged.</p>								
Washington County	21	8:37p			0	1	6	?	Windstorm
	<p>Winds, reported up to 90 mph, caused extensive damage at Dewey and Bartlesville. Minor damage occurred to 2891 residences. Nine mobile homes received major damage and one stationary home had its roof blown off. About 35 businesses received damage; most of it being broken windows. One person was injured in a mobile home at Dewey.</p>								
Ada, Pontotoc Co.	21	8:38p			0	0	4	0	Windstorm
	<p>Winds gusting over 70 mph were reported. Several buildings lost their roofs. Power lines were downed with tree and window damage.</p>								
Tulsa County	21	8:40p			0	3	5	0	Windstorm
	<p>Winds, unofficially estimated in excess of 100 mph, struck the rural area north of Collinsville. The wind uprooted trees, ripped a roof from a large barn, demolished a mobile home, and damaged several other homes. A 2x6 was blown through a car radiator. Three persons were injured in the mobile home.</p>								
Norman, Cleveland County	21	night			1	0	0	0	Lightning Strike
	<p>A 17-year-old boy was killed.</p>								
McAlester, Pittsburg County	21	9:30p			0	0	?	?	Windstorm
	<p>Considerable wind damage was reported as a line of thunderstorms moved through the City.</p>								
Spavinaw, Hayes County	21	10:00p			0	0	?	?	Windstorm
	<p>Numerous trees of 10 to 12 inches in diameter were snapped off near the ground.</p>								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1979

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OKLAHOMA (continued)									
Valiant, McCurtain County	22	12:15a			0	0	4	0	Windstorm
									Damage occurred to machinery at the Weyerhaeuser paper mill.
Harper County	29	7:00p			0	0	4	7	Hail, Rain
									Hail, up to golfball size, fell to the north and east of Buffalo. Damage was reported to windows, mobile homes, and automobiles. Just after the hail, heavy rain fell with amounts of 4 to 6 inches.
Northwest	30	morning			0	0	3	0	High winds, Hail
									Heavy rains and small hail were accompanied by winds clocked at 69 mph at Gage at 2:18 am. Large hail (size not reported) occurred in the Nash area. A barn roof was damaged near Lamont. Winds up to 79 mph were reported at Woodward.
Lawton, Comanche County	30	8:15a			0	0	3	0	Windstorm
									Minor wind damage occurred in the area with one carport destroyed.
Carter County	30	10:05a	8 1/2	528	3	2	5	0	Tornado, Wind
									Tornado first touched down about 1.1 mile south and 1.2 miles west of Newport. Two mobile homes were completely demolished. One woman was killed outright and a second died several days later. A third fatality occurred at this location when debris hit a man who was pouring concrete near the mobile homes. The tornado moved almost due north for about 6 1/2 miles before turning slightly to the north northeast. It dissipated north northeast of Woodford. The tornado apparently traveled at tree top level during much of its path. Extensive damage occurred to a brick home about a mile north of the two mobile homes. A third mobile home and several barns were damaged or destroyed to the south southwest of Woodford. About 10 to 12 structures were damaged at Woodford. Some of this damage occurred from straight winds. Although heavy rain fell after the tornado, it appears that the tornado probably occurred outside or just adjacent to the precipitation area.
Lincoln County	30	noon			0	0	4	0	Windstorm
									High winds were reported across the County. Trees were uprooted in Davenport and Chandler. Several barns and outbuildings were heavily damaged in the Kendrick community.
Hugo, Choctaw Co.	30	1:00p			0	0	4	0	Windstorm
									Strong winds damaged trees and tore a portion of a roof from a school building.
Pittsburg, Pittsburg County	30	1:00p			0	0	4	0	Windstorm
									Winds, estimated as high as 60 mph, overturned a vacant mobile home.
Panhandle	30-31				0	0	6	5	Blizzard
									Two to 3 inches of snow fell across the Panhandle with drifts up to a foot in Texas and Cimarron Counties where the damage was greatest. Winds up to 90 mph accompanied the snow. About 5000 cattle were killed along with hundreds of other farm animals. Between 20 to 50 percent of the milo crop was lost. This was the worst loss of cattle since the blizzard of 1957. Many cows were without power for days as 75 to 95 percent of the power poles in Texas and Cimarron Counties were downed.
OREGON									
			NONE REPORTED						
PACIFIC									
			NO REPORT RECEIVED						
PENNSYLVANIA									
EASTERN									
York, Cumberland, Dauphin, Lancaster and Carbon Counties	1	12 AM to 12 PM EDT			0	0	4	0	Heavy Rain Electrical
									Rainfall over Eastern Pennsylvania reached 1 inch over much of the southern and eastern portions with roadway flooding in these areas. The heavy rainfall was in the counties mentioned with considerable roadway drainage and stream flooding. This resulted in basements or lower floors of buildings being flooded. Rainfall amounts of 2 to 3.5 inches were recorded in these areas, but the hardest hit areas in York County had up to 4 inches. In York County there was some excessive stream flooding which inundated portions of buildings, washed some automobiles off a parking lot and caused the evacuation of some residents. In the Palmetton area of Carbon County the runoff from the mountain flooded some buildings and washed mud slides onto some roads. In Danmore Township, Lancaster County, lightning caused a barn fire.
PENNSYLVANIA (continued)									
EASTERN									
Franklin, Fulton, Adams, York, Cumberland and Lancaster Counties	3	Midnight to 3 AM EDT			0	0	4	0	Electrical
									Lightning strikes hit power lines and transformers resulting in power outages to about 14,000 customers. The lightning also brought down some trees and tree limbs. A lightning fire completely destroyed a barn near Newville, Cumberland County.
Lycoming, Columbia, Montour and Luzerne Counties	3	8 AM to 10 AM EDT			0	0	4	0	Wind, Heavy Rain
									Thunderstorms brought heavy downpours to Lycoming County with some roadway and basement flooding. Wind gusts also brought some trees and tree limbs down in Lycoming County, but more damaging winds hit Luzerne County. In Huntington Township, Luzerne County, the wind caused considerable tree damage in two spots. The wind gusts damaged some buildings and falling trees also damaged buildings.
Anthony Township, Montour County	3	8:00 AM to 8:30 AM EDT	3.5	30	0	0	4	0	Tornado
									A tornado almost completely destroyed a barn, demolished a garage and outbuilding, and caused considerable damage to a large steam electrical generating station.
Heidelberg and Lower Heidelberg Townships and Wernersville, Berks County	3	8:45 AM to 9:15 AM EDT	3	50	0	0	4	0	Tornado
									A tornado ripped off portions of roofs, uprooted or snapped off trees, windows were blown out, and a boat on a trailer and many other objects overturned or were carried away.
Reading	5	2:30 PM to 3:00 PM EDT	1	40	0	1	4	0	Tornado
									A tornado touched down in the southwest part of the city with most of the damage to the tops of buildings. A number of buildings had all or most of the roof torn off and portions of the walls of the top floor blown away. Some trees and tree limbs were torn down and a parking lot attendant's booth was blown over causing injury to the attendant.
Weisenburg Township, Lehigh County	5	3 PM EDT	10.25	20	0	0	3	0	Tornado
									A tornado touched down briefly near New Smithville uprooting some trees and taking the roof off a shed. One of the trees fell against a farmhouse.
Hamilton Township, Monroe County	5	3:30 PM to 4:00 PM	0.25	100	0	0	4	0	Tornado
									A tornado touched down briefly in the Saylorsburg-Sciota area uprooting a number of large trees with some of them falling on houses or automobiles.
Paradise Township, Monroe County	5	3:45 PM to 4:15 PM EDT	0.25	80	0	0	3	0	Tornado
									A tornado touched down briefly in the Henryville area snapping off or uprooting more than 50 trees. The four tornadoes reported for the fifth of October were fairly well lined-up on a north-northeast track and may have been one funnel cloud touching down at intervals or a number of different funnels spawned from the same thunderstorm as it moved along this track.
Berks, Lehigh, Northampton, Monroe, Northern Chester and Northern Montgomery Counties	5	2:30 PM to 4:30 PM EDT			0	0	4	0	Wind, Electrical
									Wind gusts accompanying thunderstorms downed trees, tree limbs and utility lines. In the city of Bethlehem a number of plate glass windows were blown in. Near Fleetwood in Berks County a lightning fire destroyed a barn.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1979

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS ESTIMATED DAMAGE				CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
PENNSYLVANIA (continued)									
EASTERN									
SEVENTH DISTRICT Southeast Portion of Eastern Penna.	10	8:00 AM to 2:00 PM EDT			0	0	4	4	Snow
<p>The earliest measurable snowfall in over 100 years of record hit Philadelphia with 2.1 inches recorded. This record for early snowfall was likely also true of other locations. Although snow fell over all of the southern half of Eastern Pennsylvania and the Pocono Mountains the most significant snowfall was over the southeast portion. In low lying and built-up areas most of the snow melted as it fell, but on the tops of higher hills and ridges 2 to 3 inches of snow accumulated on the grass, trees and bushes. Since green foliage was still on the trees, the weight of the wet snow brought down many limbs and with them many utility lines. The weight of the snow also damaged unharvested corn crops.</p>									
PENNSYLVANIA WESTERN									
NONE REPORTED									
PUERTO RICO									
Off Culebra	8	11:15 a.			0	0	0	0	Waterspout
Off Culebra	28	10:15 a.			0	0	0	0	Waterspout
Vieques Passage	31	10:35 a.			0	0	0	0	Waterspout
RHODE ISLAND									
Statewide	3	4-5PM			0	0	4	0	Wind, lightning, rain
<p>The squall line that caused the Connecticut tornado moved eastward bringing lightning strikes on buildings and extensive highway flooding. Many trees were blown down onto vehicles.</p>									
SOUTH CAROLINA									
NONE REPORTED									
SOUTH DAKOTA									
Tripp, Lyman, Western Buffalo, Hyde, Hand Faulk and Edmunds Counties	31	00 - 12			0	0	5	0	Wet Snow
<p>A narrow band of heavy wet snow developed around midnight from Winner to Leola and produced from three to six inches of snow before ending the afternoon of the 31st. The wet snow stuck to power poles and combined with 30-50 MPH winds broke up to 600 poles. Estimated damage around \$400,000. No significant crop damage was reported.</p>									
TENNESSEE									
NONE REPORTED									
TEXAS NORTHERN									
NORTHERN									
McLennan County	15	6:00 p - 7:30 p			0	0	4	0	Wind and Hail-storm
<p>Strong thunderstorm winds resulted in scattered, mostly minor wind damage in McLennan County to signs, trees, and power lines. Damage was reported in North Waco, and in Robinson, where winds were estimated to be near 75 MPH at 7:30 p.m. The largest hail reported in the county was at Groesbeck where 0.75 inch diameter hail fell.</p>									
Western Bosque County	15	6:30 p - 7:15 p	10	?	0	0	?	?	Wind and Hail-storm
<p>A swath of hail, ranging up to golf ball size, covered the ground from the Hamilton-Bosque County line on Highway 22 west of Clifton into the Clifton area. Strong winds uprooted trees along the same swath of land.</p>									
Gatesville, Coryell County	15	7:15 p	0.5	200	0	0	6	0	Hailstorm Tornado Windstorm
<p>An intense thunderstorm produced widespread damage in Gatesville. A suspected tornado cut a 0.5 mile long swath through town, causing extensive tree damage. The tornado demolished the porch and heavily damaged the roof of a funeral home. Hail damage was especially severe, resulting in about 1.5 million dollars damage to roofs, windows, and about 160 automobiles. Wind-driven hailstones up to golf ball size broke numerous windows on the north side of homes and businesses within town. Strong straight winds accompanied the 20 minute storm, resulting in additional damage to mobile homes, carports, awnings, and outbuildings.</p>									
Killeen and Harker Heights area, Bell County	15	7:55 p - 8:45 p	15	?	0	0	6	0	Wind and Hail storm
<p>Golf ball size hail, heavy rains, and strong winds moved through Killeen shortly before 8 PM, and into Harker Heights after the hour. Hail to 3 inches in diameter and very strong winds caused widespread damage in Harker Heights. Residents reported that "torrents of golf ball to apple-sized hailstones" pounded the area. Additional heavy roof, window, and automobile damage occurred in the Stillhouse Lake area southeast of Harker Heights. Damage was estimated to be in the millions of dollars in and around Harker Heights.</p>									
Southern Falls County	15	9:00 p - 10:00 p			0	0	?	?	Windstorm
<p>Thunderstorm winds caused scattered, mostly light damage across Falls County. Downed power lines resulted in a power outage in Rosebud.</p>									
North	30	Morning							Severe Storm Outbreak
<p>A line of severe thunderstorms developed in West Texas during the night and moved into North Texas shortly before daybreak. Numerous reports of tornadoes and wind damage were received, with confirmed tornadoes occurring in conjunction with several very large storms that seemed to dominate the squall line in its early stages of development.</p>									
Tuscola, Taylor County	30	4:45 a	Short	Narrow	0	0	4	0	Tornado
<p>The tornado touched down briefly, damaging two homes and an automobile in Tuscola. A wall of one house was destroyed by flying debris while the second house also received debris damage. Two young girls in the second house narrowly escaped serious injury when a 2x6 board crashed through their window and slammed into the wall next to their bed. Several outbuildings were destroyed in the immediate area of the two damaged homes. The brief tornado was witnessed by Ken Snodgrass, a local resident.</p>									
Stamford, Haskell County	30	5:00 a			0	0	?	?	Windstorm
<p>Thunderstorm winds broke windows in two businesses and toppled a storage tank off of a trailer in Stamford.</p>									
Bangs, Brown County	30	6:15 a	1/2	50	0	0	4	0	Tornado
<p>Police Chief Lornie Burkhalter witnessed the brief tornado, which he described as "looking kind of like a whirlwind". The tornado destroyed a horse stable and damaged the Bangs Truck Terminal on Highway 67, cracking the walls of the building. The tornado dissipated after striking the Terminal.</p>									
Breckenridge area, Stephens County	30	6:15 a	18	125	0	0	6	0	Tornado and Windstorm
<p>A damage survey indicated that the tornado developed about 7 miles southwest of the Stephens County Airport or about 9 miles south-southwest of downtown Breckenridge. The tornado moved northeast, damaging several farms, before striking the airport. At least \$500,000 dollars damage resulted when 8 hangers and 3 airplanes were destroyed and 6 additional airplanes damaged. The tornado next moved across open country before causing damage in extreme eastern Breckenridge. The Triple S Industrial plant and several homes were damaged near the intersection of Highways</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1979

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INURED	PROPERTY	CROPS		
TEXAS (continued)										
NORTHERN										
Breckenridge area, Stephens County	180 and 67.	One of the homes was removed intact from its foundation. The tornado then moved across Highway 67 with the last known damage occurring when a home was knocked off of its foundation about 8 miles east-northeast of downtown Breckenridge. A lack of rural roads made it difficult to locate the exact end points of the tornado path. Scattered straight wind damage occurred within several miles to the southeast of the tornado track.								
Young and Jack Counties	30	7:10 a	30	75	0	5	5	0	Tornado	
		The same thunderstorm that produced the Breckenridge tornado, and possibly the Tuscola tornado, moved northeastward into Young County. A ground survey indicated that a tornado touched down about 3 miles south-southwest of the Graham city limits. The developing twister caused damage to the Leibetter ranch, where residents reported sighting the tornado and having their ears pop as it moved to the east of the ranch house. The north-northeastward moving tornado turned here toward the northeast as it entered Graham. Scattered damage in town indicated that the tornado was alternately lifting and descending back to the ground. The tornado heavily damaged the Shepard Motel on the west side of town, removing the roof and destroying the exterior walls. The roof was thrown toward the northwest, striking and damaging a rest home. In downtown Graham, several buildings received heavy roof and moderate wall damage. Tornado intensity decreased markedly in northern Graham, until the tornado reached the McCracken edition on Farm Road 2652. Several frame homes received roof damage and two mobile homes were destroyed in this area. Four people received injuries when one of the mobile homes was overturned. Fortunately, none of the injuries in Graham were serious. Several persons sighted the tornado in Graham, describing it as a large black cloud (probably a wall cloud) with a funnel alternately lifting and descending.								
		The tornado moved into very desolate and open country, with the next known damage on Highway 16, three miles south of Loving. A barn and trees were damaged in this area, with boards and sheet metal scattered across the road. The last known damage was in Jack County about two miles southwest of Antelope, where trees and one rural home were damaged.								
Stephenville, Erath County	30	7:30 a			0	0	?	?	Windstorm	
		Straight-line thunderstorm winds unroofed a building and overturned a semi-trailer truck in Stephenville. Other scattered, light damage occurred throughout town. Police officers estimated that wind gusts reached 80 MPH several miles north of Stephenville.								
Northeast Palo Pinto County	30	7:50 a	6.5	50	0	2	5	0	Tornado and Windstorm	
		The tornado formed about 5 miles north of downtown Mineral Wells and moved for 6.5 miles to the northeast. Two mobile homes were destroyed, one overturned, several homes damaged, and a number of barns destroyed by the tornado. One woman received deep facial cuts when the tornado exploded her mobile home just to the west of the Salesville community. Another woman received very minor injuries in the same area. The tornado was observed by several witnesses, who described it as alternately lifting and lowering to the ground. Very little hail accompanied the parent storm, but straight-line wind damage to barns and trees occurred up to several miles southeast of the tornado track. Civil Defense officials estimated a damage total of about \$75,000 in the county.								
Boonesville, Wise County	30	8:15 a	2	50	0	0	4	0	Tornado	
		The parent storm that produced a tornado in Palo Pinto County spawned a second tornado north of Boonesville. The twister heavily damaged a recently remodeled home, destroying about 2/3 of the structure. The tornado destroyed a mobile home and a well house in the same area.								
Millsap, Parker County	30	8:30 a	1	20	0	0	3	0	Windstorm	
		A barn was destroyed and trees received damage in a 20 yard wide and 1 mile long path. The report was made by County Civil Defense Director T. R. Tanner.								
Cresson, Tarrant County	30	8:35 a	Short	Narrow	0	0	3	0	Tornado	
		A small tornado touched down briefly, causing minor tree damage and roof damage to the buildings.								
Western and Northern Tarrant County	30	8:55 a - 9:45 a			0	0	5	0	Windstorm	
		The squall moved across Tarrant County, with spotters reporting uprooted trees in western Fort Worth at 8:55 a.m. Shortly after, significant wind damage occurred to homes, barns, and outbuildings in the Richland Hills area/northeast of Fort Worth and in and near the towns of Southlake and Grapevine in northeast Tarrant County. Over \$60,000 dollars damage occurred in eastern portions of Southlake to barns and homes.								
TEXAS (continued)										
NORTHERN										
Denton County	30	8:58 a - 10:15 a	Short	Narrow	0	0	3	0	Tornado	
		A small tornado touched down briefly just southwest of Stoney in extreme western Denton County. The storm, which was witnessed by Amateur Radio storm spotters, damaged power lines and trees and a grocery store sign and awning.								
		Scattered straight wind damage occurred in and around Denton and McKinney. Several mobile homes were destroyed in Denton, with additional damage to trees, powerlines, and lightweight structures occurring in and east of town. In McKinney, the damage swath was 6 blocks long and less than 100 yards wide, with porches, patio roofs, and antennas receiving most of the damage.								
3S Cleburne, Johnson County	30	9:15 a	1	50	0	0	4	0	Tornado	
		A small tornado, observed by several people, touched down on the Jack Bean farm three miles south of Cleburne. The tornado destroyed the barn and carport. The tornado occurred beneath the southwest flank of a thunderstorm with a radar measured 60,000 foot top.								
Saint Jo, Montague County	30	9:00 a - 9:30 a	8	75	0	0	4	0	Tornado	
		According to newspaper accounts, witnesses observed the tornado dip down two miles west of Saint Jo and destroy a fruit stand and part of a garage roof. The tornado crossed Highway 82 and destroyed a barn then headed north-northeast towards Capps Corner. The tornado damaged power lines and trees before heavily damaging a barn in Capps Corner. This was possibly the same parent storm complex which produced tornadoes in Stephens and Young Counties earlier, and near Ardmore, OK later in the morning.								
10 SW Waco, McLennan County	30	Morning	Short	Narrow	0	0	3	0	Tornado	
		In a post-storm report, witnesses described the tornado as appearing like a "red whirlwind". One rural farm house was destroyed by the tornado. No other information was available.								
5 W Frisco, Collin County	30	10:00 a			0	0	4	0	Windstorm	
		Strong thunderstorm winds damaged the roofs of two homes along with numerous outbuildings, barns, and trees five miles west of Frisco.								
Grayson County	30	9:45 a - 11:00 a			0	2	5	0	Windstorm	
		The squall line produced wind damage in Howe and in rural areas southeast of Sherman. Mr. and Mrs. Jarvis Huff were injured when their mobile home, one mile east of Texas Instruments on Highway 75, was destroyed. Mrs. Huff received a broken hip. Damage was extensive in this area to signs, trees, and buildings. Similar wind damage occurred at the football stadium and to several businesses and trees in Howe, to the south of Sherman.								
Chireno, Macogdoches County	30	5:30 p			0	0	5	0	Windstorm	
		Strong thunderstorm winds destroyed two mobile homes and heavily damaged hay barns, outbuildings, electrical lines, and trees in the Chireno area.								
TEXAS SOUTHERN										
Beaumont, Jefferson Co.	22	4:44 am	1	50	0	0	6	0	Tornado	
		City police first spotted the funnel over southwest Beaumont at 4:44 am where it briefly dipped to ground level near Interstate Highway 10 and Washington Blvd. Roofs of some 45 commercial storage bins were removed. The funnel moved aloft toward the north-northwest and extended downward again, barely skimming ground level through a residential area of northwest Beaumont. About 7 to 10 homes in Whodlan Acres and Wildwood Estates subdivisions were damaged-mostly due to roofing removed, windows broken, and chimneys toppled. Witnesses described the funnel as "buzzing" just above rooftop level. A few parked cars were moved about. Thunderstorms moving just ahead of the funnel dropped 2 inches of rain in a short time, and associated lightning hit the Dept. of Public Safety Communication Center.								
Galveston Co.	22	8:10 am			0	0	5	0	Wind	
		Thunderstorm wind gusts hit the LaMarque area as storms moved rapidly southeast through the area. Scattered damage was reported with one building, a boat works company, receiving major damage as its roof was removed and walls collapsed.								
Lumberton, Hardin Co.	22	5:15 am	Short	Narrow	0	0	4	0	Tornado	
		The same funnel that earlier had touched down in Beaumont continued north-northwest and briefly skimmed ground level once more near Lumberton where it downed numerous trees, broke power lines, and caused roof damages. It did not directly hit any buildings. The funnel lifted and continued north-northwest. It was spotted once more 30 to 45 minutes later moving aloft near Silsbee.								

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1979

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					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
SOUTHERN									
Travis Co.	30	10:30 am			0	0	?	?	Wind
Williamson Co.	30	10:50 am			0	0	?	?	Wind
					Extreme thunderstorm wind gusts estimated at 70 mph caused scattered property damage, mainly over northern Travis and southern Williamson Counties. Strongest winds and most concentrated damages were apparently around Lake Travis near Paleface Park.				
Lee Co.	30	11:30 am			0	0	5	0	Wind
					A severe thunderstorm moving east through the county produced extreme wind gusts which damaged roofs, windows, power lines, and trees. Worst damage was reported around Giddings. At the Giddings Seal Laboratory moderate damage occurred as winds peeled off heavy metal roofing. Rains of 1 inch fell in a short time immediately afterward.				
Harris Co.	30	4:10 pm			0	0	5	0	Wind
Houston, Harris Co.	30	4:50 pm	2/10	40	0	0	5	0	Tornado
Harris Co.	30	4:50 pm			0	0	5	0	Heavy Rain
Baytown, Harris Co.	30	5:50 pm			0	0	5	0	High Tides
					Severe thunderstorms along and preceding a slow moving cold front caused scattered wind damages through Harris Co. and the city of Houston. Most concentrated damage seemed to have been at intermittent points from northwest Harris County southeastward over central and southeast Houston. Uprooted trees, downed fences, peeled roofing, and shattered windows occurred. A number of trailer homes were damaged directly by the wind or else sustained damage from flying debris. The severe winds seemed to have preceded the line of thunderstorms. A weak tornado briefly formed within the line of storms as it passed over southeast Houston. The twister was observed on the ground near Long Drive and Loop 610 where it removed several roofs and carried them a few blocks. Telephone poles were downed and a tall radio tower near Cherryhill and Wayside Drives was toppled. No injuries occurred as the twister missed the main roads, and persons in nearby businesses took safe cover within buildings. Heavy rains followed the winds. A sudden 2 to 5 inches of rain over the city created heavy street flooding at rush hour, stalling many cars, and filling underpasses with water. Persistent 20 to 30 mph southerly wind throughout the day built tides up to 3 or 4 feet above normal in Galveston Bay. Briefly higher winds just ahead of the thunderstorm line occurred from 5 to 6 pm. Tides in extreme northern Galveston Bay and up the San Jacinto tidal basin to Burnett Bay reacted suddenly to the increased winds and rose to 4.7 feet above normal. Tidal water crossed Perimeter Road in Baytown and flooded about 50 homes in the Brownwood subdivision. Offshore winds behind the front pushed water back to near normal by 8 pm.				
Nueces Co.	30	6:10 pm							Funnel cloud
					The funnel, observed in a line of intense thunderstorms, moved northeast over the city of Corpus Christi without touching ground.				
Galveston Co.	30	6:30 pm			0	0	?	?	Heavy Rain
					Some 2 to 4 inches of rain fell over the county during a two hour period causing flooding of urban streets and many low areas. In the city of Galveston rain fall could not drain well due to high tides. Rainwaters briefly covered State Highway 6 at Highland Bayou. Estimates of property damage were not available but it was probably minor.				
Harris Co.	30	6:45 pm			0	0	3	0	Lightning
					Lightning hit an electrical transformer in the city of Kingwood, apparently sending a surge to a house half a block away. The electrical charge sparked from the house to some copper tubing attached to a gas meter, pierced a hole in the tubing and started a fire.				
Sabine Pass, Jefferson Co.	30	8:00 pm			0	0	5	0	Wind
					A line of severe thunderstorms hit Sabine Pass with high winds which removed roofs, broke windows, and littered State Highway 87 with debris. One service station was demolished when winds caused its concrete block walls to collapse inward which, in turn, allowed the roof structure to cave in. Some mobile homes also were damaged.				
Jefferson Co.	30	8:00 pm			0	0	?	0	Heavy Rain
Orange Co.	30	8:30 pm			0	0	?	0	Heavy Rain
Hardin Co.	30	8:30 pm			0	0	?	0	Heavy Rain
Jefferson Co.	30	evening			0	0	?	0	High Tides
					A frontal line of thunderstorms produced heavy downpours which fell on already saturated grounds. Worst flooding was over north and east Jefferson County where 3-1/4 inches of rain fell in 40 minutes with totals amounting to about 5 inches by 11 pm. Underpasses filled with water, numerous cars flooded, and low lying residences were threatened from Beaumont to Nederland to Port Arthur. In Hardin County Farm Road 92 was blocked by water for awhile. Urban flooding in the city of Orange was similar to that in Beaumont and Port Arthur. Southerly winds preceding the frontal line generated high tides and waves some 3 to 4 feet above normal, and caused Gulf waters to wash over Highway 87 for several hours.				

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					KILLED	INJURED	PROPERTY	CROPS	
TEXAS (continued)									
WESTERN									
Eastern Texas South Plains	29	6:15p-9:00p			0	0	5	1	Funnel, Hailstorm
					Just before a strong cold front entered the extreme Northwestern Texas Panhandle, a thunderstorm developed in southern Hockley County at 6:15 p.m. By 7:30 p.m. a line of strong thunderstorms had developed along a Wheeler-Plainview-Javeland line with the cells moving toward the northeast. At 7:48 p.m. Lubbock Weather Service radar indicated a possible tornado in extreme southwestern Hale County. Radar continued to indicate the tornado as the storm passed east of Hale Center at 8 p.m. At 8:10 p.m. Sheriff's Department Officers spotted a funnel 9 miles south of Plainview moving northeastward. The funnel remained visible for 20 minutes and disappeared some 5 miles east of Plainview. At 8:30 p.m. golfball-sized hail was reported in Plainview by the Civil Defense with some windows broken, roofs damaged and bodies of cars dented. Radar continued to track the storm that produced the funnel and continued to indicate a possible tornado until the storm entered southwestern Briscoe County near 9 p.m.				
Texas Panhandle and South Plains	29	9:00p-1:00a			0	0	6	1	Hail, Windstorm
					A second line of thunderstorms began to form about 9 p.m. along the cold front as it entered the Texas Panhandle. By 11 p.m. the front and thunderstorm line extended from near Amarillo southwestward to near Denver City and were moving toward the east at 20 mph. At this time the National Weather Service Office in Amarillo reported winds gusting to 74 mph along with golfball-sized hail. Similar reports were received from the public in Amarillo. Over \$1,000,000 damage was reported at the airport — where six helicopters were damaged, a chain link fence twisted, and a hangar, headquarters building and guardhouse damaged. Telephone and power poles were snapped or uprooted. The Sheriff's Department reported damage to two power plants at Texas State Technical Institute, and over \$250,000 damage was reported at a Southwestern Public Service Power Station.				
					Just before midnight golfball-sized hail was reported at Claude in Armstrong County. No damage reports were available. Golfball- to pea-sized hail was reported to have broken windows at Lefors in central Gray County. Pea-sized hail was reported to have covered the ground near Clarendon in Donley County. Shortly after midnight winds were reported to be gusting to 60 mph with golfball-sized hail falling 5 miles west of Reese AFB in Lubbock County. No further severe reports were received.				
Texas Panhandle	30	7:00a-1:00a			0	?	7	?	Winter Storm
					Cold air continued to filter into the Panhandle behind the cold front as surface winds remained northerly at 20 to 30 mph. By 7 a.m. snow began to fall in the northwestern Panhandle and winds began to gust to 50 and 60 mph. By early afternoon visibilities were reported to be near zero over much of the area, although snow accumulations were still light. Twelve-inch deep snow drifts combined with icy roads and blinding sleet and snow, forced 400 vehicles to be abandoned on Interstate 40 between Tucuman, New Mexico, and Amarillo, Texas. Power lines were down in the Dalhart area and several power poles were reported to be lying across Highway 54 just northeast of Stratford. Power was lost in the communities of Adrian, Berger, Bushland, Channing, Dalhart, Dumas, Gruver, Hartley, Vega and Wildorado for most of the 30th and a portion of the 31st of October. Residents gathered in community shelters as temperatures remained below freezing through the night and much of the following day. The most devastating loss to the area was the death of over 9,000 cattle. The combination of high winds and cold temperatures killed many as they developed pneumonia, while others drowned or suffocated as the moisture filled their lungs or froze on their nostrils. Losses due to cattle alone are estimated at \$3,500,000. Snowfall amounts for the area generally ranged from 1 to 2 inches with the greatest amount being 5 inches at Bushland in southwestern Potter County.				
UTAH					NONE REPORTED				
VERMONT					NONE REPORTED				
VIRGINIA					NO REPORT RECEIVED				

STORM DATA AND UNUSUAL WEATHER PHENOMENA.

OCTOBER 1979

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
VIRGIN ISLANDS																			
VIRGIN ISLANDS																			
North of St. Croix	18	3:30 p.			0	0	0	0	Waterspout										
Off St. Croix	19	12:30 p.			0	0	0	0	Waterspout										
10 miles South St. Thomas	23	1:15 p.			0	0	0	0	Waterspout										
Off St. John	24	11:15 a.			0	0	0	0	Waterspout										
Off St. Thomas	26	12:30 p.			0	0	0	0	Waterspout										
Off St. Croix	29	11:00 a.			0	0	0	0	Waterspout										
WASHINGTON																			
NONE REPORTED																			
WEST VIRGINIA																			
Berkeley co.	2	900pm	8	?	0	1	5	?	TORNADO										
A tornado ripped an eight mile path between Shanghai and Jones Springs, just west of Martinsburg. Several mobile homes and one store were destroyed. There was minor damage to homes and cars with many uprooted trees.																			
Eastern	9-10	9pm to 11am			0	0	5	4	SNOW										
An early season storm dumped locally heavy snow along the mountains and eastern panhandle. Snowfalls of 3-5 inches were common with up to 10-12 inches at some higher elevations, including Canaan Valley. The freak storm sent trees and branches, still full with foliage, crashing down on autos, houses, power and telephone lines. Roads were blocked. Power outages were widespread with some areas without power for several days.																			
WISCONSIN																			
North-Central	10-23	Night					?	?	Snow										
The first major snowfall of the fall hit northern Wisconsin during the night. From 4 to 6 inches of heavy, wet snow fell causing numerous power outages to occur due to power line breaks.																			
Pierce County	10-31	1115 A	2½	100	0	0	4	?	Tornado										
Extensive damage to a farm house and barn. Corn crops were destroyed in the tornado's path																			
Western & Central	10-31	Late Morning to Mid-Afternoon					?	?	High Winds										
High winds and heavy rains swept through western and central Wisconsin between 11:00 a.m. and 3:00 p.m. as a cold front moved through the area. Considerable damage from the high winds were reported in portions of Marathon, Clark and Sawyer counties with lesser amounts of damage in a number of other counties. In Monroe County, Sparta reported wind gusts of 60 mph as the front passed.																			
WYOMING																			
NONE REPORTED																			

STORM DATA AND UNUSUAL WEATHER PHENOMENA

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
THE FOLLOWING ARE LATE REPORTS, CORRECTIONS, AND DELETIONS:									
LATE REPORTS									
TEXAS									
SOUTHERN									
AUGUST 1979									
Refugio Co. Nueces Co.	28	8:50 am							Funnel Cloud
	28	9:50 am							Funnel Cloud
Short-lived funnel clouds developed near building showers 6 miles southeast of Noodsboro (Refugio Co.) and 10 miles southeast of Port Aransas (Nueces Co.)									
Jefferson Co.	28	4:30 pm							Funnel Cloud
The funnel cloud formed just east of Groves on the northwest shore of Lake Sabine. It heaved touched down to the surface.									
Jefferson Co. Orange Co.	29	11:00 am			0	0	?	?	Wind
	29	11:00 am			0	0	?	?	Wind
Thunderstorms developed rapidly in the Beaumont-Port Arthur-Orange area causing a brief period of localized damaging wind gusts. Sudden downpours also fell on the same areas experiencing high winds. Scattered property damages were reported but exact figures were not available.									
GEORGIA									
Coastal Counties									
SEPTEMBER 1979									
4		800A - 1000P			0	0	7		Hurricane
Hurricane David skirted the lower Georgia coast with the center some 50 miles east of St. Marys. The hurricane then moved more to the northwest--moving inland across Savannah. Peak winds were 68 mph in gusts at the Savannah Airport, and gusts of Hurricane force probably occurred in the Savannah Beach--Tybee Island area. Damage was estimated at more than 5 million dollars, most of it in Chatham County. A large part of the damage was caused by trees falling on power lines, homes, and cars. About 70,000 customers of Savannah Electric and power were without service. Rainfall totaled 6.80 inches at Savannah and 5.43 inches at Eden. One to two feet of tidal water flooded the south end of Tybee Island. Flooding also occurred on the causeways leading to both St. Simons and Tybee Islands. There were two deaths indirectly attributed to the storm as two people drowned while surfing at Jekyll Island.									
MARYLAND & D.C.									
Harford County									
SEPTEMBER 1979									
14		Evening			0	0	3	0	Wind
Strong localized windstorm shattered trees and destroyed some storage sheds near Joppa.									
PENNSYLVANIA									
EASTERN									
Centre, Union and Snyder Counties									
SEPTEMBER 1979									
2		Evening to Morning			0	0	4	0	Heavy Rain
Rainfall of more than five inches occurred in Centre County on the headwaters of Penns Creek. This resulted in flooding downstream in Centre, Union and Snyder Counties; more than 2000 people were evacuated from areas along the stream. Most of them were from campgrounds, summer homes and cottages. There was some damage to cottages and portions of roads were damaged.									
Eastern Penna.									
5		8 PM to 6 PM EDT			0	0	6	3	Wind, Heavy Rain, Tropical Storm David
The remnants of Hurricane David moved north across Pennsylvania accompanied by high wind gusts and heavy rain. Nearly all airport stations recorded wind gusts of 35 to 45 miles per hour. However, wind gusts to 54 mph were recorded at York, Pa. and to 55 mph at Trenton, N.J. which indicates that gusts to these speeds likely occurred at other locations in Eastern Pennsylvania. The high winds downed many trees, tree limbs or large portions of trees. The trees and limbs fell on automobiles, utility lines, houses and other buildings causing considerable damage. Electrical service to about 75,000 customers was disrupted by the downed power lines and also by flooding. Rainfall was generally 2 to 4 inches over Eastern Pennsylvania, but amounts of 4 to 6 inches occurred over some sections. The rainfall caused widespread roadway and drainage flooding with automobiles and basements or lower floors of buildings flooded. There was also some stream flooding in the middle and lower Susquehanna Valley and Southeast Pennsylvania. Wind damage to some buildings and a tractor trailer truck in the Hamburg area was thought to be the result of a tornado by local residents, but could not be confirmed.									
PENNSYLVANIA (continued)									
EASTERN									
New Garden Township, Chester County									
SEPTEMBER 1979									
5		9:45 to 10:15 PM EDT	5	60	1	4	6	0	Tornado
A tornado spawned by Tropical Storm David came across the state line from Delaware. Besides downing trees along its path, it damaged nine different properties with four houses, several buildings and a trailer home severely damaged. The homes and the trailer were almost completely destroyed. A man died in the trailer home and was carried 150 yards away in the debris. Four others received minor injuries in the houses hit by the tornado.									
Oley and Alsace Townships, Bucks County									
SEPTEMBER 1979									
5		11:00 to 11:30 PM EDT	1	30	0	0	5	0	Tornado
A tornado spawned by Tropical Storm David moved across a portion of Berks County. Many trees were downed and three homes, two barns and another building were damaged. The two barns and one house were almost completely destroyed and the others severely damaged.									
Eastern Penna.									
SEPTEMBER 1979									
21		2 PM to 5 AM EDT			0	0	4	0	Heavy Rain
The remnants of Hurricane Henri brought heavy rain to Eastern Pennsylvania. The heaviest rains fell over the southern sections with amounts of one and three quarters to four and one-half inches. This resulted in considerable roadway and drainage flooding and flooding of some streams. Some basements and automobiles were affected by the flood waters. At least one mud slide was reported which partially blocked a road.									
SOUTH DAKOTA									
Mellette County									
SEPTEMBER 1979									
2		2035							Funnel Aloft
A report of a funnel near White River was received.									
Brule County									
SEPTEMBER 1979									
3		0015							Funnels Aloft
Two funnels aloft just east of Chamberlain were reported by the public. Chamberlain reported 63 MPH winds at midnight.									
Todd County									
SEPTEMBER 1979									
7		2115	1	100-150	0	0	5	0	Tornado
A tornado touched down one mile north of St. Francis at 9:15 PM and destroyed two new homes and damaged two others. The homes were unoccupied. Estimated damage was \$90,000.									
Haakon County									
SEPTEMBER 1979									
7		1915							Funnel
Near Midland,									
Stanley County									
SEPTEMBER 1979									
7		1922							Funnel
Near Hayes.									
Tripp County									
SEPTEMBER 1979									
7		2000							Funnel
Fifteen miles north of Winner.									
Stanley County									
SEPTEMBER 1979									
7		2046							Hail
There were reports of hail up to two inches in diameter approximately ten to fifteen miles southwest of Ft. Pierre.									
Ziebach to Brown County									
SEPTEMBER 1979									
10		0730-1200			0	0	5	6	Wind and Hail
Severe thunderstorms developed around 5 AM over western Ziebach County and spread eastward for the next seven hours producing high winds and scattered hail all the way to Brown County. Numerous reports of damage to grain bins and other structures due to wind would indicate wind speeds of 60-90 MPH. There were a few reports of hail up to one and three-quarters inches with window damage in Isabel. Heavy crop damage was reported over a large area. Estimated property damage \$100,000. Estimated crop damage \$1,000,000.									
Corson County									
SEPTEMBER 1979									
10		1200			1				Lightning
One man was killed in a field while working on a Chisel Plow northwest of McLaughlin.									
CORRECTIONS									
VIRGINIA									
Southwestern and Southern portions									
SEPTEMBER 1979									
21-					0	0	7	6	Rain, Flooding
22									
(Corrected crop damage...text remains unchanged.)									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

- O Includes crop damage.
C Crop damage.
* Miles instead of yards.
** Yards instead of miles.
† Storm damages are placed in categories varying from 1 to 9 as follows:
1 Less than \$50
2 \$50 to \$500
3 \$500 to \$5,000
4 \$5,000 to \$50,000
5 \$50,000 to \$500,000
6 \$500,000 to \$5 Million
7 \$5 Million to \$50 Million
8 \$50 Million to \$500 Million
9 \$500 Million to \$5 Billion

Note: This publication contains our best information on storms but, due to the difficulties inherent in collection of the type of data, it is not all-inclusive. Late Reports and Corrections will be carried in the month following receipt of these data.

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