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# STORM DATA

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Asheville, N.C.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

DECEMBER 1973

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	
<b>ALABAMA</b>									
Cullman, Walker, and Morgan Counties	25				2	0	5	0	Rain
					Torrential rains, up to 10 inches in 24 hours, set off extensive local stream and urban flooding. Several rural roads and one state highway were closed with bridges washed out. Near Hartselle, two people were drowned after their auto stalled in the rising flood waters of a creek. At Jasper, urban flooding required evacuation of several families stranded in their homes and autos. A rise in lake elevation at Smith Lake of about 10 feet in 24 hours damaged a marina and private docking facilities.				
Prospect Heights, Mobile County	26	4:30 a	3	50	0	1	4	3	Tornado
					Tornado dipped into the Prospect Heights Community and moved northeast destroying a mobile home and causing light or moderate damage to 20 homes and several buildings. Trees and utility poles were down and power out.				
East Central Extending to Southwest Alabama	26	5:00 a-8:00 a			0	5			Wind
					Early morning severe thunderstorms raked much of a 60 mile wide area of the State from the extreme southwest northeastward into East Central Alabama. Tornadoic force winds were common, snapping or uprooting large trees, flattening small buildings, bending television antennas and causing power line disruptions. Light-weight structures such as mobile homes, barns, and out buildings were most heavily damaged, in many cases either demolished or blown from their footings. A few houses and larger buildings were seriously damaged with roofs torn away and windows blown out. All injuries were minor with much of the property damage the result of falling trees. Many reports too numerous to mention.				
Selma, Sumnerfield, Dallas County	26	5:45 a-5:50 a			0	3	3	4	Wind
					House trailer in west Selma demolished by severe wind gust. Three occupants received treatment for minor injuries. Shortly thereafter a pecan grove near Sumnerfield was damaged in excess of \$20,000 after high winds toppled 40 trees and damaged many more.				
Sylacauga, Talladega County	26	6:50 a	**100	25	0	1	4	0	Tornado
					State Troopers reported small tornado touching down 12 miles southeast of Sylacauga, along the Clay-Talladega County line, destroying a mobile home, damaging 3 others and a house. Trees which were twisted off 20 feet above ground indicated the tornado followed a northeastward path. Scattered wind damage occurred throughout the area. One person was injured slightly.				
Lineville, Clay County	26	7:00 a			0	2	3	0	Wind
					Two mobile homes located 2 miles southeast of Lineville were overturned by high wind. Two occupants of one received slight injuries.				
Andalusia, Covington County	26	7:30 a			0	0	4	0	Wind
					High wind damage at Andalusia totally destroyed a drive-in theater and a small nearby building of concrete block and frame structure. The building was leveled with the tin roof scattered several hundred yards. Many trees were down with power lines stripped.				
Hayden, Blount County	29	2:55 p	Short	30	0	0	2	0	Tornado
					Sheriff's Deputy following funnel cloud observed briefly touching ground two miles northeast of Hayden damaging a barn roof and a house slightly. Tornado cloud contained what appeared to be rather large debris as it moved rapidly northeastward. Path very limited and mostly aloft.				
Fayette, Fayette County	29	3:52 p							Funnel Cloud
					Police sighted funnel cloud nearly touching ground 2 miles northwest of Fayette.				
Jasper, Walker County	29	4:12 p			0	0	0	0	Hail
					State Troopers reported hail 1/2 to 3/4 inch in diameter briefly occurring.				
Enterprise-Ft. Rucker, Coffee County	29	4:25 p	8	70	0	11	6	0	Tornado
					Tornado skipped east northeastward from Enterprise to Ft. Rucker causing greatest damage as it plowed through a subdivision of homes on the eastern edge of town and a mobile home park. An estimated 3/4 million dollars in property damage occurred in Enterprise while damage lessened near Ft. Rucker to 10 or 15 thousand dollars. Much of the time the tornado was just above the surface although the storm touched down with heavy destruction in at least five locations. At Enterprise, 8 homes were totally destroyed with 17 receiving light or moderate damage. In addition, seven trailers, six houses and a service station were destroyed or damaged. Injuries were unusually light as only 11 people were treated for minor injuries. Several residences received light damage in the Ft. Rucker area as the storm dipped and lifted along its path. A tank storage park at Ft. Rucker was struck leaving several tanks in scattered assortment.				

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<b>ALABAMA (continued)</b>									
Gardendale, Jefferson County	29	4:35 p	1/2	50	0	0	0	0	Tornado
					Birmingham Red Cross reported tornado on ground 6 miles northeast of Gardendale accompanied by a green cloud and hail.				
Crossville, Dekalb County	29	5:15 p	1/4	100	0	1	5	0	Tornado
					Tornado touched down in the western edge of the City Limits of Crossville and moved northeast. Roofs partially blown off 3 houses with a green house nursery and house trailer destroyed. Occupant of trailer hospitalized in fair condition. Several autos damaged and one full sized sedan turned over.				
Fultondale, Jefferson County	29	5:20 p							Funnel Cloud
					Public reported funnel cloud at Fultondale, just north of Birmingham, moving northeast and not touching ground.				
Headland, Henry County	29	6:40 p	12	70	0	2	6	0	Tornado
					Tornado skipped through Headland along an erratic path which led some to believe there was more than one funnel. State Police say the tornado first touched down hard just west of the city limits at an oil mill and gin company...lifted over the town and then hit again in the eastern section through a subdivision of houses. Other extensive damage occurred east of town where a large church was demolished and south of the Bethlehem Community where other homes were destroyed. Damage was scattered over a path 3 or 4 hundred yards wide and could be spotted off and on across the county to the Georgia line. Two persons received minor injuries with 46 homes and business buildings suffering light or moderate damage. Ten homes were totally destroyed. Estimates of total damage just exceeded 800 thousand dollars. Several unconfirmed sightings of funnel clouds were received throughout the area.				
Ozark-Ft. Rucker, Dale County	30	4:58 p	1 1/2	100-150	0	23	6	0	Tornado
					For the second day Fort Rucker was ripped by a tornado. This time damage was higher as the path of destruction led more directly through a residential section and complex of government buildings. Major damage exceeded one million dollars as the storm lay a continuous path of destruction on the ground for well over a mile. Heavy damage resulted to 30 buildings and houses with 4 or 5 totally demolished. All injuries again miraculously were minor. In the town of Ozark 4 mobile homes were destroyed and another damaged but no injuries.				
Clio, Barbour County	30	5:20 p							Funnel Cloud
					Highway Patrol sighted funnel cloud 500 feet above ground moving northeastward over Clio. It was associated with the storm which struck Ft. Rucker.				
Jemison, Chilton County	31	7:00 a							Funnel Cloud
					A funnel cloud was sighted by State Troopers southeast and not touching surface.				
Loxley, Baldwin County	31	10:50 p	1	100	0	0	3	0	Tornado
					Tornado was reported by police and later indicated by radar one mile west northwest of Loxley moving northeastward at 45 miles per hour. Roof was blown off a barn near Loxley.				
Montgomery, Montgomery County	31	4:35 p			0	0	0	0	Hail
					Three quarter inch hail reported by a radio station as a thunderstorm moved over eastern Montgomery.				
Tallasse, Elmore County	31	4:50 p							Funnel Cloud
					Funnel cloud was reported by police near Tallasse not touching ground and moving northeast.				
<b>ALASKA</b>									
NO STORM DATA REPORT RECEIVED FOR THIS STATE									
<b>ARIZONA</b>									
NONE REPORTED									
<b>ARKANSAS</b>									
Lutherville, Johnson County	1	6:30 p.	1/2	50	0	6	4		Tornado
					Tornado uprooted trees, damaged roofs and buildings, and overturned a mobile home as it moved along a 1/2 mile path. Six members of family injured by flying glass while moving to storm cellar.				
Waldo, Columbia County	3	7:45 p.	1/4	50	0	1	5		Tornado
					Tornado moved along a southwest-northeast path through the town of Waldo destroying several businesses and severely damaging others. One person slightly injured by flying glass while working in dairy barn.				
Monticello, Drew County	3	11:40 p.			0	2	5		Wind
					Strong wind struck along Highway 81 south of Monticello destroying five mobile homes and severely damaging two others. One occupant of mobile home injured and one truck driver injured when wind overturned truck.				

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<b>ARKANSAS (continued)</b>										
Winchester, Drew County	4	12:10 a.			0	0	4			Wind
										Strong wind destroyed two mobile homes and damaged several houses, blew down trees and power lines.
Lakeport area, Chicot County	4	12:55 a.			1	0	4			Wind
										One person killed when house destroyed by wind at Lakeport. Nine other occupants of house not injured. Three mobile homes overturned and several businesses heavily damaged.
Batesville, White County	4	1:30 a.			0	2	4			Wind
										Strong wind overturned two mobile homes and damaged two houses. Two occupants of mobile homes suffered minor injuries.
Brinkley-Wheatley area, Monroe County	4	1:30 a.			0	5	5			Wind
										Strong wind across northern Monroe County caused widespread damage. Buildings were unroofed and otherwise damaged, trees, power lines, and signs blown down, five mobile homes were destroyed and four others turned over. Five occupants of mobile homes received minor injuries.
Marianna, Lee County	4	1:30 a.			0	0	4			Wind
										Strong wind demolished several large buildings and severely damaged businesses and homes.
Hickory Ridge, Cross County	4	1:30 a.			0	1	5			Wind
										Strong wind destroyed a church building and heavily damaged several houses. One person received minor injuries from flying glass. Seven cars of a freight train were blown from track.
West Helena area, Phillips County	4	1:45 a.			0	3	5			Wind
										Strong wind heavily damaged several businesses and caused major damage at West Helena-Helena Airport. Three airplanes damaged. Three persons injured when three automobiles struck tree that had blown across highway.
Trumann, Poinsett County	4	1:45 a.			0	0	5			Wind
										Strong wind severely damaged a manufacturing plant and a lumber company north of Trumann. Homes and other businesses were severely damaged. One mobile home was overturned.
Gosnell area, Mississippi County	4	2:30 a.			0	10	5			Wind
										Strong winds struck mobile home park destroying seven mobile homes and injuring 10 occupants. Winds blew down power lines, unroofed buildings and caused minor damage to buildings and aircraft at Blytheville Air Force Base.
<b>CALIFORNIA</b>										
<b>NORTHERN &amp; CENTRAL</b>										
Fresno, Fresno County	01	12:48p								Funnel cloud aloft
										Funnel cloud aloft observed north of airport.
<b>CALIFORNIA SOUTHERN</b>										
NONE REPORTED										
<b>COLORADO</b>										
East portion	12	morning			0	3	5	0		Wind
										Very strong winds over and along the eastern foothills of the Rockies from Pueblo to Fort Collins did considerable damage to residences, mobile homes, fences, and buildings. Heaviest losses were in Boulder where wind gusts locally to over 100 mph produced \$100,000 damage. Highest gusts in that area were 120 mph at 7:35 a.m. Three persons suffered minor injuries at Pueblo.
East portion	18				0	0	4	0		Wind, snow
										A strong arctic cold front plunged southward east of the mountains early on the 18th, bringing moderate to strong winds, snow, and much colder weather. Wind-whipped snow reduced visibility to near zero at times, causing locally heavy drifting and forcing many schools and business firms to close. Some public utility lines were damaged in the storm. About 12 inches of snow fell at Rye and Lake Isabel had 24 inches.
East portion	23-24				0	0	4	0		Wind, snow
										An intense pre-Christmas storm brought unusually heavy snow to parts of eastern Colorado. The storm was accompanied by strong winds which caused much blowing and drifting of the snow. Drifts 5 to 10 feet deep were reported in local areas and most roads, highways, and airports were closed. About 10,000 people were stranded for 24 hours at Stapleton Airport in Denver. Denver received 12 inches of snow and the Walsenburg area had about 20 inches.
<b>CONNECTICUT</b>										
SEE END OF TABLE										
<b>DELAWARE</b>										
	16-17							1		Ice Storm Snow 4 to 6"
										Began Sunday morning ended Monday night. Northern Delaware got 4 to 6 inches of snow while southern Delaware had the ice storm. Hardest hit was western Sussex County. Ice broke power lines and broke large tree branches. Some rural schools closed for 3 days.
<b>FLORIDA</b>										
HOMESTEAD-FLORIDA CITY, DADE CO.	20	2:15 PM EST	6	35	0	9	6	0		TORNADO
										A TORNADO TOUCHED DOWN IN THE EASTERN PORTION OF FLORIDA CITY AND MOVED NORTHWARD THROUGH THE CENTER OF HOMESTEAD, AND THEN DISSIPATED OVER THE FARMING AREAS ONE TO TWO MILES NORTH OF HOMESTEAD, SINCE THE TORNADO WAS ON THE GROUND FOR ONLY A PART OF THE TRACK, THE DAMAGE IN THE CONGESTED HOMESTEAD AREA WAS NOT AS GREAT AS MIGHT HAVE BEEN EXPECTED. DAMAGE WAS ESTIMATED NEAR \$800,000. 10 HOUSES WERE DESTROYED AND 40 HAD MAJOR DAMAGE. 22 MOBILE HOMES WERE DEMOLISHED AND 60 HAD MAJOR DAMAGE. NINE PEOPLE REQUIRED HOSPITALIZATION.
SOUTH MIAMI HEIGHTS -KENDALL, DADE CO.	20	2:30 PM EST	9	20	0	0	5	0		TORNADO
										A SECOND TORNADO (DEFINITELY NOT THE SAME ONE THAT HIT HOMESTEAD) TOUCHED DOWN IN A LARGE CONDOMINIUM CONSTRUCTION AREA JUST WEST OF U.S. HIGHWAY ONE IN SOUTH MIAMI HEIGHTS AND MOVED NORTHEASTWARD ALONG HIGHWAY ONE WITH LITTLE EVIDENCE OF DAMAGE IN THE KENDALL AREA. THE TORNADO WAS THE SMALLER OF THE TWO AND ONLY REACHED THE GROUND ABOUT 30 PER CENT OF THE TIME. THIS PLUS THE FACT THE PATH WAS OVER A LESS CONGESTED AREA THAN THE HOMESTEAD TORNADO RESULTED IN LESS DAMAGE AND THERE WERE NO REPORTED INJURIES. DAMAGE WAS ESTIMATED \$200,000 WITH MORE THAN \$100,000 OF THIS IN THE CONDOMINIUM CONSTRUCTION SITE. ABOUT 150 HOUSES HAD SOME DAMAGE AND A NUMBER OF BOATS ON TRAILERS AND CARS WERE SEVERELY DAMAGED. IN ADDITION, THERE WAS WIDESPREAD DAMAGE TO TREES, SHRUBBERY, AND UTILITY LINES.
PENSACOLA, ESCAMBIA CO.	25	3:40 PM CST	1.0	35	0	0	4	0		TORNADO
										A SMALL TORNADO, WHICH PROBABLY ORIGINATED AS A WATERSPOUT, MOVED INTO THE EASTERN PORTION OF PENSACOLA DAMAGING A NUMBER OF HOUSES AND CARS AS WELL AS EXTENSIVE TREE AND SHRUBBERY DAMAGE OVER A BLOCK WIDE AREA. THERE WERE NO INJURIES AND DAMAGE WAS ESTIMATED AROUND \$25,000.
PANAMA CITY, BAY CO.	26	7:00 AM CST			0	0	4	0		WINDSTORM
										A LINE OF SEVERE THUNDERSTORMS ACCOMPANIED BY HIGH WINDS STRUCK THE COASTAL SECTIONS OF THE FLORIDA PANHANDLE FROM FORT WALTON BEACH TO PANAMA CITY WITH GUSTS UP TO 80 MPH REPORTED. THERE WAS SOME ROOF AND GLASS DAMAGE IN PANAMA CITY WITH DAMAGE ESTIMATES AROUND \$18,000. ELSEWHERE DAMAGE WAS MAINLY TO POWER LINES AND TREES.
<b>GEORGIA</b>										
Gainesville	13	12:20 p. e.s.t.	10	200	0	21	6	0		Tornado
										Tornado hit north side of Gainesville, GA. moving east-northeast skipping along the higher ground in hilly areas. Twenty-one people injured, 7 requiring hospitalization. Fifty homes severely damaged, 8 mobile homes destroyed.
Edison	26	11:00 a. e.s.t.	?	?	0	0	3	0		Tornado
										Small tornado in rural area unroofed one home and 2 barns. Also uprooted trees and toppled tombstones in a cemetery.
Early County	29	Night	?	Narrow	0	0	3	0		Tornado
										Damaged farm buildings and uprooted trees in west part of County. Near Blakely damaged several homes, blew away utility sheds, overturned large gas truck.
Paulding and Cobb Counties	29	9:30 p. e.s.t.	6	Narrow	0	0	5	0		Tornado
										Small tornado skipped across eastern Paulding and southwest Cobb Counties: 2 homes destroyed, 3 mobile homes demolished, 2 cars overturned.
Nashville	30	12:20 p. e.s.t.	?	?	0	0	3	0		Tornado
										Small tornado 4 miles north of town. One mobile home destroyed, home under construction demolished.

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<b>GEORGIA (continued)</b>									
Douglas	30	1:00 p. e.s.t.	? Narrow		0	0	5	0	Tornado
					Small tornado skipped through area. Three hangars unroofed and 2 planes damaged at airport. At least 2 mobile homes demolished, several others damaged. Many trees uprooted.				
Sasser	31	5:45 p. e.s.t.	? Narrow		0	0	5	0	Tornado
					Several homes unroofed, numerous large trees uprooted.				
<b>HAWAII</b>									
Kekaha, Kauai	1	morning-evening			0	0	5	C	Heavy rain
					During widespread rain over State, water runoff from higher land and particulate sugar cane field drainage canal inundated almost all of low-lying town by 1 to 3 feet flooding at least 20 homes, church, store and service station. Damage estimates of homes \$25,700. About 25 cars flooded in parking lot. Unknown number of acres of sugar cane land damaged or washed-out. Total rainfall at Kekaha 8.37 inches.				
3 mi. below Kulani Honor Camp off Stainback Highway, Hawaii	8	9:30a.			1	0	0	0	Strong winds
					Strong post-frontal northerly winds of short duration blew down ohia tree on hunter and pinned him. Unable to lift tree, partner went for help but more falling trees killed man before help arrived.				
Off Lahaina	30	early morning-evening			0	0	4	0	High winds and rough seas
					In pre-frontal rough seas and strong southerly winds, 32-foot cabin cruiser, caking on water before attempted rescue by Coast Guard cutter, sank after boats tossed against each other during unsuccessful efforts by cutter to get alongside cruiser. 48-foot ketch tossed onto reef.				
<b>IDAHO</b>									
			NONE REPORTED						
<b>ILLINOIS</b>									
Whole state	4	6am-2pm			0	4	?	?	Wind
					Severe thunderstorms did widespread damage to buildings, trees and power lines. Most of the heavier damage was done in the central part of the state. At least 4 persons were injured by flying glass when windows were blown in at a school in Canton, where winds were clocked at 60mph one of the highest reported winds. Other parts of the state had similar damage.				
Murrayville	4	8:30am	?	?	0	1	?	?	Tornado
					A tornado did extensive damage to homes and buildings. One person was injured by flying debris. In the nearby town of Jacksonville, buildings were damaged by wind. Trailer homes were also damaged.				
Ashkum	4	11:40am to 12:15pm	?	?	0	0	?	?	Tornado
					A tornado was indicated by radar near Ashkum. Two large farm houses were blown off their foundations. Other damage was done to buildings nearby.				
Forest City	4	9:50am	?	?	0	2	?	?	Tornado
					A tornado was reported by the public and state police. Two children were injured by flying glass when windows were blown in.				
Kewanee	4	11am	?	?	0	0	?	?	Tornado
					A tornado touched down 9 miles SE of Kewanee. No damage was reported.				
Rushville	4	9:20am	?	?	0	0	?	?	Tornado
					A tornado was reported by state police 5 miles east of Rushville. No damage was reported.				
<b>ILLINOIS (continued)</b>									
Northeast quarter	13-16	96hrs			0	0	?	?	Heavy snow
					A low pressure area passed through Chicago bringing the first major snow storm of the season to the northeast quarter of the state. Several hours of rain and some freezing rain and high winds preceded the snow which began in the early morning of the 11th. 4 to 5 inches of snow fell in the morning hours and totaled 8 to 10 inches for the day in many areas. Heavy snows downed power lines in many northwest suburbs of Chicago causing major power failures to over 60,000 homes and businesses for much of the day. Heavy snow also caused closure of O'Hare Airport for several hours and delayed commuter trains and bus lines and snarled traffic. Another low pressure area reinforced the storm on the 15th and 16th dropping near record snowfalls to Lake, Kane and McHenry Counties. Lindenhurst in the northwest suburbs of Chicago had 12 inches in a 24 hour period the night of the 15th to the early morning of the 16th. Total snowfall amounts for the 4 day storm ranged from as high as 30 inches at Lindenhurst to as low as 4 to 6 inches in the southwest suburbs of Chicago.				
North and Central	18-20	40hrs			0	0	?	?	Heavy snow
					A paralyzing snow storm blanketed the central and north portions of the state with moderate to heavy snow. The snow began late Tuesday night of the 18th across the central parts and spread over the north parts by early evening of the 19th. Most of the heavy snow ended by midday on the 20th. The central parts had the heaviest amounts...10 to 18 inches...while the north parts had 6 to 10 inches from this 3 day storm. Government offices, schools and industry were closed and traffic was brought to a standstill all day the 19th throughout most of the central portions and to the north portions to a lesser degree. In addition, trains and buses were slowed and several airports closed. Also, heavy snows downed power lines cutting off power to scores of homes in many areas for several hours.				
<b>INDIANA</b>									
Bremen Area Marshall County	4	3:20p	1/2	3	0	1	4	0	Tornado
					Tornado "only 5 to 10 feet wide and 50 feet high" dipped down briefly about four miles southwest of Bremen on the west shore of Lake of the Woods and damaged the corner of a garage, overturned a small boat and trailer, and lifted and overturned a pontoon boat against trees along the shore. A truck on U.S. 6 just east of Bremen was lifted from the highway and slammed against a utility pole.				
Bremen Area Marshall County	4	3:25p			0	0	0	0	Funnel Cloud
					Funnel cloud observed one mile north of Bremen and moved north-northeast.				
Nappanee Area Elkhart County	4	3:50p			0	0	0	0	Funnel Cloud
					Funnel cloud observed just north of Nappanee moving north-northeast.				
Statewide	19-20				0	0	0	0	Heavy snow
					Snow began over the state on the morning of the 19th and continued through the afternoon of the 20th. The heaviest snow depths were reported over the northwest two-thirds of the state. Covington reported 18 inches of snow on the ground followed closely by Lafayette and Peru both reporting 17 inches. Reports of a foot or more were common over the northern half of the state with amounts tapering to around four inches near the Ohio River. It was the fourth greatest snowfall for the Indianapolis area since records began in 1871. Most schools were closed on the 20th and many school districts decided to remain closed on the 21st and through the holiday season. Many businesses were closed on the 20th and some on the 21st. Several deaths were attributed to heart failure while shoveling snow. Numerous traffic accidents were recorded throughout Indiana with several deaths reported. Some of the interstates were partially blocked through the 22nd of the month with many state and secondary roads almost impassable during this period.				
Central and North-east	30-31				0	0	0	0	Heavy snow
					Snow began during the morning of December 30 continuing through the night becoming intermittent on the 31st. Marion in north-east Indiana recorded 12 inches of snow on the ground while snow depths of 7 to 9 inches were common from a line Covington-Huntington southward to a line from Terre Haute-Richmond. Lesser amounts were reported elsewhere and ranged from one inch in the extreme north to a trace along the Ohio River. A number of businesses in the heavy snow area closed allowing workers an early start on the New Year's festivities. Some of the interstates in central and northeast Indiana were partially blocked or extremely hazardous. Numerous traffic accidents were reported and resulted in several deaths. A few deaths were attributed to heart failure from shoveling snow.				

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IOWA SW to NE missing only NW division and some SE areas	3-5				0	0	7	0	Rain, ice, snow, sleet, high winds and cold
									The season's first winter storm began in SW Iowa near 11 p. m., December 3, 1973. Storm covered all but NW counties and some southeast counties. Damages heaviest from SW division through central division where power and telephone lines were broken, poles snapped and outages lasted several days. In SW worst storm in many years, perhaps the 20th Century. Tree losses extensive. Highway travel was difficult to impossible. Some area schools closed two days. In Hamilton and Hardin Counties plus adjacent localities electricity was out widespread areas for 3 days. 4 towers toppled; 2 in Des Moines, 1 at Iowa Falls and 1 at Eldora. Snow depths to 9 inches at Forest City. High winds whipped snow over icy roads. Ice and snow storm very destructive to trees with extensive losses. Many storm related accidents.
Southern Iowa	18				0	0	5	0	Snowstorm Up to 10 inches snow fell in southern Iowa. High winds increased travel hazard over many parts of State.
SW third Iowa	24				0	0	5	0	Glaze, rain and fog Glaze was extremely hazardous early the 24th. Ice and fog late in the day further limited travel.
KANSAS Southwest through northeast in 150 mile wide band centered from Meade to Hiawatha, plus a 50 mile radius of Lenora.	3-4				0	0	7	5	Ice Storm, Heavy Snow, Wind One of the most severe ice storms of record spread northeast in the 150 mile wide band on the evening of the 3rd through the morning of the 4th. Rain changed to freezing rain producing heavy ice accumulations on overhead wires, trees, antennas, etc., causing widespread and severe damage and power outages. Damage to utilities alone amounted to over 15 million and to property and trees over 5 million. Freezing rain changing to snow and accumulating 3 to 4 inches with strong northerly winds of 25 to 40 miles per hour added to the fury of the storm. Several microwave towers radio and TV transmitting towers and high line stands were toppled. Power and telephone outage was prolonged in some areas and lasted in a few communities as long as 5 days. Heavy snow of 5 to 7 inches fell in a 50 mile radius of Lenora. Heavy rains of from 1 to over 2 inches fell in the southeast portions, with only light snows generally in the western two tiers of counties.
Entire State	18-19				0	0	5	0	Snow, Ice Storm, Wind Low pressure storm center moving from southeast Colorado to Arkansas spread snow and blowing snow on strong northerly winds of 25 to over 40 miles per hour eastward over the state and was preceded by freezing precipitation in the southeast portion. The storm reached near blizzard proportions briefly in local areas of the northwest and southeast quarters where from 5 to locally 10 inches fell. Power and telephone outages were common in much of the southeast.
Entire State	30				0	0	4	0	Snow Snow and blowing snow on strong northerly winds 20 to 40 miles per hour spread rapidly eastward over the state. Heavy snow of 5 to locally 10 inches were common over the east and much of the central with 3 to 5 inches in the northwest and around 2 inches in the southwest.
KENTUCKY Western and Central	19	night			0	3	5		Freezing rain and snow 3 to 7 inches of snow along with freezing rain forced numerous school closings, many flight cancellations at Paducah's Barkley Field, and caused considerable damage to trees and utility lines.
Central and Eastern	20	morning			0	4	5		Freezing rain Freezing rain made driving conditions extremely hazardous, causing numerous school closings, and traffic accidents. Utility lines and trees suffered considerable damage from the freezing rain.
STATEWIDE	26	afternoon			2	20+	6		Strong winds and thunderstorms Very strong winds were reported over most sections of the state. A wind gust of 61 miles per hour was reported by Bowman Field in Louisville, a gust of 79 miles per hour was reported by Owensboro, and a gust of 52 miles per hour was reported by Hopkinsville. A lady was killed by a falling tree limb in Frankfort, and a man was killed on a construction site in Louisville when a 20 foot high wall collapsed. Extensive property damage was reported in all sections of the state. Many mobile homes were completely destroyed. Reports of power outages were numerous throughout the state.
LOUISIANA	3-4	8PM(3rd)-4AM(4th)			0	5	6	0	Wind Thunderstorm winds associated with a coldfront and squall line moving southeastward across Louisiana caused moderate to heavy damage to numerous mobile homes, houses, farms, power and telephone structures, and commercial establishments across the state. Extensive damage done to power and telephone lines. Three injured (two seriously) when oil drilling rig blown over at Baston.
Beauregard Parish	3	9:15 PM	1 1/2	100	0	5	6	0	Tornado Tornado struck southern portion of downtown DeRidder, caused major damage to homes and businesses. Approximately 200 residences and dozens of businesses sustained moderate to heavy damage. Extensive damage done to power and telephone lines. Wind gust of 100 mph recorded at DeRidder airport. Five minor injuries.
East Baton Rouge, Tangipahoa Parishes	4	2 AM-2:40 AM	60	75	0	3	6	0	Tornado Tornado first dipped down in Baton Rouge, causing heavy damage to a car lot. Some cars moved as far as 15 ft, all but 6 new cars parked in 2-acre lot had at least one window blown out. Car windows "exploded outward". Tornado evidently then receded into parent cloud until it again touched down in south Amite. 15-20 houses sustained major damage, some deposited 100 ft from their original sites. Several mobile homes demolished. Three minor injuries.
Richland, Morehouse Parishes	3	Arnd midn	60	50	0	23	6	0	Tornado Small tornado touched down at Rayville where 23 persons received minor injuries. Numerous homes, trailers, and businesses damaged or destroyed. Tornado then skipped through Mer Rouge and the Jones-Laark areas, blowing down barns and moving heavy farm equipment.
MAINE Statewide	16-19							6	Coastal Northeaster Storm moved into Maine during the day, overspread the state by evening, and continued into the 18th. Heavy precipitation ranged from .98" at Basport to 1.09" at Augusta. Flooding of major rivers Kennebec and Saco. Started as snow, 3 - 6", followed by a period of glaze, then heavy rain on the 18th. The combination of snow and heavy rains was responsible for backup and flooding of basements and cellars; washouts of roads and culverts; flash flooding of small rivers, streams and brooks. Gale winds along the coast - heavy winds inland contributed to tree damage and power outages from lines laden with ice.
Statewide, except Washington County	21-22				2	Many	7		Southeast Rain-storm Warm front moved northward across the state. Rain very heavy, 1-3" plus over western Maine. Very mild temperatures (50s) contributed to maximum snow melt and runoff. Major rivers had record flows and stages. Heavier rains earlier had brought rivers to critical levels. Damage to roads (washouts) was major. Dwellings and buildings were flooded, some evacuation was necessary. Ponds and lakes also flooded out of their banks. Two deaths were directly attributable to the storm and flood. Damage from both storms was 5 million plus. The storm moved out of the state by the 22nd but rivers were not back within their banks until the 24th. The Arrostook River then was plagued by an ice jam that caused widespread flooding especially around Washburn where 33 families were forced from their homes.
MARYLAND Garrett and Allegany Counties	8-9								Snow Snow began the night of the 8th. 4 inches accumulation at Frostburg and up to 9 inches in Garrett County.
Garrett and Allegany Counties	13	Morning							Freezing rain Several people injured in falls on icy walks in Cumberland.
Entire State	16-17				3	3			Heavy snow, Ice-storm Two-day storm produced accumulations of generally 6 to 12 inches of snow with up to 18 inches reported in western Garrett County. Numerous traffic and sledding accidents resulted in 3 storm-related fatalities. Less snow fell over Eastern Shore area but sleet and freezing rain added to the hazardous conditions with numerous power outages due to ice-laden trees falling on power lines.
Baltimore, Cecil and Harford Counties	17	9:30 a.m.					3		Electrical Freak thunderstorm with some hail reported. Lightning struck telephone equipment interrupting service, in Rising Sun. Also bolt of lightning damaged 4 buildings and left 30-ft trench in ground at Joppa.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

DECEMBER 1973

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		
Garrett, Allegeny, Washington, Frederick, Carroll, Montgomery Counties	21									Snow
	21									Snow
Frederick, Montgomery and Carroll Counties	26									Minor Flooding
WASHINGTON, D. C.	16-17									Heavy Snow 10"
Eastern Two-Thirds of State	17				0	0	6	0		Glaze, heavy rain
State	20-22				0	0	5	0		Heavy rain, high winds
MICHIGAN					NONE REPORTED					
Southeast Minnesota	4	p - a			0	0	0	0		Heavy snow
Silver Bay, Lake County	15-18		20	*2-5	0	0	0	0		Heavy snow
Southern Minnesota	24				0	0	4	0		Freezing rain, snow
Shiloh Community Claiborne County	4	12:35 AM	20 yds	30 yds	0	0	3	0		Tornado
Greenville Washington County	4	12:45 AM	?	?	0	0	4	0		Tornado
Near Nepanee Washington County	4	1:15 AM	50 yds	30 yds	0	6	4	0		Tornado
2 W Edwards Hinds County	4	1:30 AM	2	30 yds	0	0	5	0		Tornado
3 N Indianola Sunflower County	4	1:30 AM			0	0	0	4		Wind
Near Tutwiler Tallahatchie County	4	1:45 AM			0	0	3	0		Wind
5N Brookhaven Lincoln County	4	2:30 AM						2		Funnel Aloft, Wind
Central and South Mississippi	26	12 AM-4 AM			1	2	5	0		
Central & South Mississippi	24-26				0	0	0	6		Heavy rain, Flooding
Senath, Dunklin Co.	4	2a.	?	?	0	0	4	0		Sev. Windstorm
Poplar Bluff, Butler County	4	2:45a.	?	?	0	0	4	0		Tornado
Festus, Jefferson County	4	3:30e.	?	?	0	0	4	?		Sev. Windstorm
Springfield, Greene County	4	3:47a.	?	?	0	0	5	?		Sev. Windstorm
Wheatland, Hermitage and Nemo, Hickory Co.	4	4a.	20	100	0	0	4	?		Sev. Windstorm
Waynesville, Pulaski County	4	5:30e.	?	?	0	0	?	0		Sev. Windstorm
Eldon, Miller County	4	5:30e.	?	?	0	0	?	0		Sev. Windstorm
Fulton, Callaway Co.	4	6a.	?	?	0	0	4	?		Sev. Windstorm

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					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS		
<b>MISSOURI (continued)</b>										<b>NEBRASKA (continued)</b>										
Byron, Osage County	4	6:10a.	?	?	0	0	5	?	Sev. Windstorm	West and Central Nebraska	18	All Day			1	0	4	0	Blizzard	
A barn was destroyed, livestock were killed and a grain bin was destroyed along with 7,500 bushels of beans.										6 to 10 inches of snow from Scottsbluff to Grand Island accompanied by high winds producing blizzard conditions. Heavy snow extended eastward to Lincoln and Omaha. 1 death due to woman shoveling snow in Gering, Scottsbluff County.										
Jefferson City, Cole County	4	6:10a.	?	?	0	0	5	?	Sev. Windstorm	<b>NEVADA</b>										
\$10,000 damage to lumber company and additional widespread damage.										<b>RENO</b>	11	0900P			0	0	4	0	<b>WIND STORM</b>	
Columbia (5NE), Boone County	4	6:30a.	?	?	0	0	4	?	Tornado	Power lines and trees blown down ( Reno 51mph, Peavine Mtn 107mph)										
High winds destroyed a machine shed and three grain bins, and a garage. The house was damaged. A neighbor's barn was destroyed and also the corn field.										<b>RENO</b>	12	1800P			0	0	4	0	<b>WIND STORM</b>	
Moberly, Randolph County	4	7a.	?	?	0	0	?	0	Sev. Windstorm	(Reno 55mph, Peavine Mtn. 5 miles NW of Reno at 8600ft. 97mph)										
Widespread damage.										<b>MINDEN</b>	12	PM			0	0	4	0	<b>WIND STORM</b>	
New Haven, Franklin County	4	7a.	?	?	0	0	4	?	Sev. Windstorm	<b>RENO</b>	29	1000P			0	0	4	0	<b>WIND STORM</b>	
High winds destroyed sheds and barns. Wires were downed and also trees. Splinters of wood were embedded in brick walls. The winds were estimated at 8.0 miles per hour.										(Reno 58mph, Peav ne Mtn. 109mph) Wind house trailers were knocked off their blocks. One motel, under construction, lost it's roof.										
Owensville, Gasconade County	4	7a.	?	?	0	0	3	?	Sev. Windstorm	<b>NEW HAMPSHIRE</b>										
High winds destroyed a barn and six cattle were killed.										Statewide	18-28				2		6		Heavy rains	
Warrenton, Warren County	4	7a.	?	?	0	0	4	?	Sev. Windstorm	Heavy rain caused flooding in Chester and Grafton Counties on the 21st. Estimated 2 million dollars damage and declared a disaster area. Glaze on the 25th caused many minor accidents and two fatalities on the highways.										
Paris, Monroe County	4	7:20a.	?	?	0	0	?	0	Sev. Windstorm	<b>NEW JERSEY</b>										
Considerable damage caused to roofs and trees. Wires were damaged and several barns. The football field scoreboard was ripped off.										SEE END OF TABLE										
Monroe City, Monroe County	4	7:30a.	?	?	0	0	5	0	Sev. Windstorm	<b>NEW MEXICO</b>										
Severe damage was sustained by Monroe Diebasting Company and a Furniture company lost 22 windows. There was roof damage to a farm and also to a grainery and machine shed. A manufacturing plant suffered 75 to 100 thousand damage.										NONE REPORTED										
Shelbyville, Shelby County	4	7:45 a.	?	?	0	0	?	0	Sev. Windstorm	<b>NEW YORK</b>										
High winds destroyed a machine shed and the barn, garage, trees, and power lines were badly damaged.										COASTAL	SEE END OF TABLE									
Carthage, Jasper County	4				0	0	?	?	Flash flood	<b>NEW YORK</b>										
Severe flash flooding in Spring River followed heavy thunderstorm.										CENTRAL	SEE END OF TABLE									
State of Missouri	19								Heavy Snow	Interior Eastern New York	16-17	Night	1	?	?	5	0	Heavy snow		
A major snowstorm dumped heavy snow amount over most of the state. There were reported amounts of up to 15 inches. Some of the locations were: Rolla - 8 inches; Sedalia - 12 inches; West Plains - 4 inches; Boonville - 5 inches; St. Louis - 12 inches; Nevada - 5 inches and Mexico - 4 inches.										Low pressure which formed over the Southeastern States developed into a major pre-winter storm as it moved northward through New England into Canada. Snow spread across the State Sunday night, changed to sleet and freezing rain over Eastern sections early Monday then changed back to snow during the afternoon before tapering off at night. Average accumulation: 5-10 inches SE; 6-12 inches N; 10-18 inches central.										
Lockwood, Dade Co.	24	3:30p.	1/2	1/2	0	0	4	?	Tornado	Interior Eastern New York	20-21		2	?	?	6	0	Winter storm		
Two homes were damaged along with damage to powerlines and trees.										A cold front over the lower Great Lakes Thursday moved slowly eastward finally passing through the Southeastern portion of the area Friday afternoon. A low pressure developed and moved Northeastward along the front Friday then moved into the Canadian Maritimes Saturday. This system produced a rapidly changing variety of winter weather. Several inches of snow fell in the St. Lawrence Valley Thursday. Elsewhere, after some spotty mixed precipitation, more general rain developed late in the day over Southwestern sections and gradually spread across the remainder of the area, beginning as several hours of freezing rain in Northeastern sections. However following passage of the cold front, precipitation changed back to snow early Friday morning in Western sections. Elsewhere, precipitation gradually changed to freezing rain and sleet then to snow, before tapering off to flurries Saturday. The combination of snowmelt, due to rising temperatures, and rain caused considerable local flooding and areas of dense fog. Heaviest precipitation and worst flooding problems occurred in the Catskills and Hudson Valley. Up to three million dollars damage is estimated from flooding of the "black dirt" area of Pine Island in the Wallkill basin. Norwich in Chenango Co. reported 18 inch snow accumulation. Elsewhere portions of the Eastern Southern tier, Mohawk Valley and Western Catskills, received 12-18 inches. Amounts decreased Southward, averaging less than 4" in Eastern Valleys.										
State of Missouri	30-31								Heavy Snow	Interior Eastern New York	26-27-28		3	?	?	5	0	Heavy rain		
A second major snowstorm dumped amounts of from a few inches to one foot of snow over the state. There were drifts reported for some areas as high as 3 to 4 foot. The storm practically halted traffic for periods of up to 12 to 24 hours.										Snowmelt, accelerated by mild weather, combined with heavy rainfall to produce considerable lowland flooding. The most notable reports: An ice jam formed in the Mohawk river near Schenectady Thursday then moved to Vischers Ferry and gradually began to break up Friday afternoon. Considerable lowland flooding occurred from Rotterdam to Cohoes. An ice jam which formed Thursday in the upper Hudson river near Corinth flooded the basement of a paper mill then broke up on Friday. Flooding Wednesday near the junction of the Sauguit Creek and the Mohawk River gradually subsided thereafter.										
<b>MONTANA</b>										<b>NEBRASKA</b>										
Sidney Richland County	12/8				0	0	4	0	Wind	Extreme Southeast Nebraska	3-4	Early Morning 3rd to PM of 4th			1	0	6	0	Snow, Wind, and Ice	
Strong winds demolished roof of shopping complex in Sidney.										Unusually severe ice storm downed 1000 poles. 5,000 customers and 25 towns lost power. Trees uprooted due to icing. Most damage southeast of a line from Superior to Plattsmouth. Some rural areas without power for 4 to 6 days. 1 death due to overturned truck on ice. 3 to 6 inches snow on north edge of ice storm.										

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					KILLED	INJURED	PROPERTY	CROPS	
<b>NEW YORK (continued)</b> WESTERN			NONE	REPORTED					
<b>NORTH CAROLINA</b> Western Counties	16-17	Over 24 hours			1				Snow Storm
			Snow covered many counties in the west with total snowfall over 10 inches. One woman froze to death in Spring Lake area.						
<b>NORTH DAKOTA</b> East and Central North Dakota	12				0	0	?	?	Snow
			An intensifying storm center passed just South of the State and about 4 inches of snow fell on the eastern and central sections of North Dakota.						
<b>OHIO</b> Southwest Ohio	26	4:00 pm-10:00 pm			10	6			Wind, electrical
			Lines of severe thunderstorms blasted across southwestern Ohio. Winds up to 70 mph were reported with many of the storms. There were numerous reports of roofs blown off, mobile homes damaged or destroyed, trees and power lines down and several homes damaged. Six persons were injured at Seaman in Adams County when their trailer homes were toppled by winds. Four persons were injured when their house was damaged at Lancaster in Fairfield County.						
Middletown, Butler County	26	4:30 pm-5:00 pm	1/2	200	0	0	4		Tornado
			The tornado touched down in the eastern sections of Middletown. A barn and house were destroyed.						
Ross, Pickaway and Fairfield Counties	26	6:00 pm	35	1000	0	4	5		Tornado
			The 35 mile tornado damage path extended from Andersonville to Baltimore to 10 miles north of Lancaster. A barn was damaged, several trailers destroyed and a barn was blown into a house. Four persons were injured but none seriously.						
<b>OKLAHOMA</b> Near Watonga, Blaine County	3	Mid-Afternoon			0	0	3	0	Lightning
			A residence and almost all personal belongings were destroyed in a lightning-caused fire about 5 1/2 miles southeast of Watonga. No injuries were sustained.						
Northern Third of State	19-20				0	?	?	0	Sleet and snow
			Two to 6 inches of snow and sleet fell across the northern sections of the State, with much drifting caused by 30 to 50 m.p.h. winds. Snow 4 inches or more in depth occurred in a 30-mile wide swath from Comargo to Lamont and also in northern Craig County. Near blizzard conditions contributed to numerous automobile accidents. Many motorists were stranded due to highways blocked by drifting snow. Numerous schools were closed. Some electrical lines were downed as rain turned to ice.						
Oklahoma Panhandle Area	30 & 31				0	0			Heavy Snow
			A low pressure area developing in southeast Colorado and moving southeastward brought about 4 inches of snow to the Panhandle by evening. Roads became slick and hazardous.						
<b>OREGON</b> Newport	13	Evening							Twister
			A storm moved up the coast on Thursday with an apparent squall line moving on shore during the evening. The Coast Guard at Newport reported the wind increased from 35 mph to 70 mph in a 5 minute period. The NWS dontract observer reported that "he heard a roar and a whosh" then ducked as a "twister" like cloud tore off the roof of a concrete and metal realstate building next to the parking lot he was in. An occupant of the building described the it as a cyclonic type cloud.						
			Damage included several windows blown out and two roofs damaged plus a garage moved off its foundation.						
<b>PACIFIC</b>	NO STORM DATA REPORT RECEIVED FOR THIS AREA								
<b>PENNSYLVANIA</b> EASTERN									
Entire Eastern Penna.	16	7 AM to 7 PM			2	45	4	0	Snow
			Several low pressure centers moved northeast along the Atlantic Coast spread snow across Eastern Pennsylvania. The snow started early on the 16th and continued into the 17th with accumulations ranging from 4 to 10 inches. Numerous automobile accidents resulted from the slippery roadways with 45 injuries and 1 death reported. One death due to heart attack while shoveling snow was also reported.						
Entire Eastern Penna.	20	1 PM to 7 PM			1	2	5	0	Heavy rain, ice, snow
			Heavy rain and mild temperatures caused stream, roadway and building flooding as snow from previous storm melted. Falling temperatures then caused freezing of wet roadways and changed the precipitation to snow. Accumulations of 1 to 3 inches south and 2 to 10 inches north. Snow and ice related traffic accidents caused 1 death and 2 injuries.						
<b>PENNSYLVANIA</b> WESTERN									
Western counties	20	A.M.			0	0	?	0	Freezing rain and sleet
			Highways throughout Western Pennsylvania ice-glazed. Numerous small accidents but no serious ones. Many schools closed in Butler, Armstrong, Indiana, Westmoreland, Cambria, Mercer, Crawford and Forest Counties.						
Blairsville	20	A.M.			0	0	3	0	Wind
			Modular home being transported over U.S.22 flipped on its roof by sharp crosswind, blocking two of the highway's four lanes.						
Kiski Valley	26	10p.m.-Mid			0	0	0	0	Electrical and wind
			Several thousand customers without electrical service for nearly 1 1/2 hours because of wires being downed by lightning and high winds.						
<b>PUERTO RICO</b>	NONE REPORTED								
<b>RHODE ISLAND</b> Interior Portions	17				0	0	6	0	Glaze
			Heavy rains falling with surface temperatures below freezing covered exposed objects with heavy ice causing widespread utility failures and broken trees and tree limbs. At one time an estimated 100,000 subscribers were without electricity, over 4,000 were heatless for up to 24 hours. Towns of Scituate and Foster were hardest hit, necessitating the opening of emergency centers. Some streets and cellars flooded from heavy rains. Dollar damage difficult to estimate but undoubtedly in excess of \$500,000.						
<b>SOUTH CAROLINA</b>									
4 mi west of Coronaca to 2 mi SE of Cross Hill. (Greenwood & Laurens Counties)	13	2:53pm to 3:10	11 mi	200	0	3	6	5	Tornado
			Tornado moved from 4 miles west of Coronaca to 2 miles SE of Cross Hill. Was in contact with ground 20% of time causing extensive damage.						
Within city of Ninety Six just south of Tornado described below. (Greenwood County)	13	3:45pm	50 yd	50	2	0	6	5	Tornado
			Associated with the 18 miles path tornado described below touched down briefly in Ninety Six area.						
3 mi south of Greenwood eastward through Ninety Six to Chappells. (Greenwood & Newberry Counties)	13	3:25pm to 4:00	18 mi	200	0	26	6	4	Tornado
			Tornado was on ground 20% of time causing extensive damage to homes, utilities and industrial property. This tornado caused major damage in the Ninety Six area and in Chappells area.						



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					KILLED	INJURED	PROPERTY	CROPS	
1 mi south of Silverstreet eastward to Prosperity to slightly north of Little Mountain. (Newberry CTY)	13	4:30pm	17 mi	225yd	1	0	6	4	Tornado, Hail
Tornado sighted near Silverstreet at 4:03 pm and moved rapidly toward the east, hitting Mid Carolina school 4:20 pm. Damaged or destroyed 48 homes, 10 mobile homes. Last sighted north of Little Mountain. Width of path suggests a double funnel west of Prosperity.									
Prosperity Area eastward to southern part of Little Mountain hence eastward to 3 mi SW of Blythehood. (Newberry, Fairfield Richland Counties)	13	5:16pm	27 mi	80 yd					Tornado, Hail
5:20 pm moved eastward to 3 mi southwest of Blythehood, SC about 5:45 pm. Damaged or destroyed 50 homes and 9 mobile homes.									
2 miles south of Little Mountain to 2 miles east of Chapin. (Newberry, Lexington Counties)	13	5:45 pm	4	20 yd			3	2	Tornado
Tornado over a short, intermittent path damaged or destroyed 2 homes, trees and utilities. This series of tornadoes of the 13th destroyed more than 200 homes and damaged 200 or more as well as a number of businesses and public buildings.									
Northern & Western SC	13	Day			0	0	2	3	Hail, Lightning
Scattered thunderstorms accompanied by hail were reported in western and northern SC. These thundershowers were associated with the passage of the unstable area that spawned the six tornadoes described above.									
North Central SC	17	AM			0	0	4	1	Heavy Snow
Early morning snowstorm blanketed north central SC from Cherokee county eastward to Marlboro county. In Rock Hill-Catawaba area amounts of 4 to 6 inches were reported. Traffic disrupted and numerous accidents reported.									
Northwestern SC	20	AM			0	0	3	0	Freezing Rain
Precipitation beginning as freezing rain and sleet caused disruption to traffic before changing to rain.									
Foot hills SC	31	pm			0	0	3	0	Flash Flooding
Heavy rains caused urban flooding in Greenville and at few other locations.									
Northeastern District	13						40		Heavy Snow
Snow with winds as high as 40 mph created near blizzard conditions. Traffic was halted, schools closed but overall damage was minimal.									
Eastern Third of State	24								Heavy Snow
Snows ranging from four to nine inches fell over most of the eastern third of the state.									
Dayton, Rhea County	13	7:35 a.					5		Wind
A thunderstorm with high winds destroyed 10 mobile homes at a Dealership. Drive-in theatre screen was also damaged.									
Benton (Cossauga Community), Polk County	13	9:50 a.	3/4	880			3	5	Tornado
A tornado struck the community destroying a school house. Precautions were taken by having the children move to the inside halls. Three-quarter inch hail was also recorded and two people saw the funnel. Fifteen houses sustained major damage along with several barns destroyed.									
Greenville, Green County	13	10:00 a.	1/2	440			1	4	Tornado
A small tornado destroyed an automobile repair shop, lifting the roof and depositing it in a field. Five automobiles were also demolished, also one barn was destroyed.									
Harriman, Roane County	20	8:05 p.						4	Wind
High wind destroyed a steeple on a local church.									
Dayton, Rhea County	25 to 26							5	
Excessive rainfall during the period eroded the foundation of a bridge causing it to collapse. Also extensive damage to roads in the area.									
Southeastern Texas	3	Evening			0	0	4	0	Wind, Electrical
Strong squall line moved through southeastern Texas from 5 pm to 10 pm with wind measured at 59 mph in Beaumont. Wind damage was generally minor to roofs and windows. Lightning caused heavy damage to power equipment in the Jasper, Kirbyville, Newton, and Beaumont areas.									
Amistad Reservoir, Val Verde County	19	Early Morning			0	0	5	0	Wind
Winds of 60 mph during the early morning hours caused extensive damage to boating property. Three large boat houses were sunk and two others were heavily damaged, several small boats were damaged, and a marina dock was heavily damaged.									
Southeastern Texas	19	Morning			0	1	4	0	Wind
Winds of 50 to 60 mph caused widespread minor damage. Major damage occurred at 9:10 am in south Angleton, Brazoria Co., where five mobile homes were overturned injuring one person. In Groves, Jefferson Co., considerable window breakage occurred.									
Kountze, Hardin Co.	19	9:25 am	1/4	40	0	0	4	0	Tornado
Tornado touched ground very briefly two miles south of Kountze on Highway 69 and moved northeast about 35 mph for less than 1/4 mile. One house received heavy damage, a barn and out buildings were demolished, trees were uprooted. No injuries occurred.									
Galveston	20	7:55 am							Waterspout
Waterspout was observed for a short period in the Gulf of Mexico 10 miles to the south of Galveston.									
New Ulm, Austin Co.	23	6:00 pm	5	50	0	0	4	0	Tornado
The tornado touched down southeast of New Ulm partially lifting the roofs of two houses, destroying five barns, and damaging two cars and a truck. The funnel moved northeast on the ground uprooting many trees and crossing Highway 1094 near the Hollman gas well. It then moved through the New Bremen Community before lifting where it demolished two barns and damaged a house.									
Lewisville Denton Co.	3	1:10p	100**	5	0	0	3	0	Tornado
A very small tornado touched down in an open field near Valley Parkway on the west side of I-35. Witnesses reported a loud roaring sound. Damage was limited to a construction shack and downed power lines.									
7SE Emory Rains Co.	3	1:45p-2:00p	3	25	0	0	4	0	Tornado
Tornado followed an intermittent path from the Colony Community, about 7 SE of Emory, to near FM-2795. The tornado moved in a northeast direction at about 20 mph touching down several times, remaining on the ground for about 1/4 mile each time. Three dairy barns were demolished, numerous fences destroyed, and large trees uprooted. A 70-ft. trailer was moved off its blocks.									
Gladewater Gregg Co.	3	4:40p			0	0	3	0	Windstorm
Thunderstorm winds caused minor damage with several signs blown down.									
Northeastern Rockwall Co.	23	4:00p			0	0	0	0	Hail
Texas Dept. of Public Safety unit reported golf ball size hail. No damage reported.									
Near Greenville Hunt Co.	23	4:30p			0	0	4	0	Lightning Strike
Lightning caused a fire which heavily damaged a large hay barn.									
Jacksonville Cherokee Co.	23	6:30p - 8:30p			0	0	4	0	Windstorm
High winds toppled numerous trees which resulted in damage to power lines. Several windows were broken and several structures suffered roof damage.									
Near Deberry Panola Co.	23	8:35p			0	0	?	?	Windstorm
Thunderstorm winds reported at 50 to 60 mph.									
Lufkin-Diboll Area Angelina Co.	23	Night			0	0	4	0	Lightning Strike
Lightning strikes caused isolated power failures in the Lufkin area while about 100 residents at Diboll were without power for over 3 hours when a 12,000 volt line was down.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

DECEMBER 1973

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	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							KILLED	INJURED	PROPERTY	CROPS		
TEXAS WESTERN			NONE REPORTED																	
UTAH Cache, Weber, Davis, Salt Lake and Tooele Counties	11	9:00 a - 5:00 p	0	0	0	0	5	0	High winds	WASHINGTON Southwest Coast & Puget Sound area; Pacific, Grays Harbor, Lewis, Pierce, Mason, King, Kitsap & Snohomish Counties	11	Afternoon and evening				3	6		Wind & High Tides	
			High winds reaching gusts of 70 to 75 miles an hour swept across Northern Utah with a strong cold frontal passage. Many power outages were noted with the heaviest effect in the Tooele County area. Numerous accidents occurred as tractor-trailer trucks and mobile homes were blown over, with damages running between 50 and 60 thousand dollars.										High tides and strong south winds hit the Puget Sound area and the Washington coast with speeds to 40 and 50 mph and gusts to 75 mph. High winds buffeted beaches and caused some flooding along Willapa Bay and Grays Harbor. At the Port of Willapa Harbor, tides of 16.0 ft. were recorded as the third highest on record since 1933. The astronomical predicted high tide was 12.5 ft. at 1:34 pm. In Pacific County, flooding, erosion and wind damages were estimated at over 1/2 million dollars. Water was 3 feet deep in downtown Raymond and most of Tokeland was flooded. Near Ocean Shores treatment plant, a 1000-ft. portion of roadway and dike were badly damaged. Rain contributed to the problem.							
Cache, Salt Lake, Weber, and Davis Counties	29-30	12:00 n - 29th - 5:30 p - 30th	0	0	0	1	5	0	Heavy snow and avalanches				In Puget Sound area, hardest hit was the Seattle-Tacoma areas. Trees toppled, windows were broken, power and phone lines were downed. Some beaches were battered by waves. A few ships drug anchor in Elliott Bay and Tacoma city waterway. A telephone cable to Bainbridge Island was broken. At Evergreen Point Bridge on Lake Washington, wind gusts to 75 mph were reported. Eight bolts were damaged forcing temporary closure of the bridge. Docks were damaged on Puget Sound. A few small boats were severely damaged. Two people were injured in an aircraft accident in east Jefferson County. Seattle Tacoma Airport had a peak wind gust to 47 mph at 4:25 pm. Portage Bay had gusts to 46 mph and Olympia Airport had gusts to 50 mph at about the same time.							
			Heavy snowfall of 2.4 inches on December 29, and 4.9 inches on December 30 at the Salt Lake Airport caused numerous auto accidents and closed many side canyon roads in Northern Utah. During the same storm period more than 55 inches of heavy wet snow and high winds produced high avalanche hazards in Little Cottonwood Canyon leading to Alta and Snowbird ski resorts, which were crowded for the holiday season. Massive slides started at noon December 29, while at other high potential zones avalanches were induced December 30 to minimize the serious threat. Many lives were saved by the induced controlled avalanche action of the Resort Ranger. Only one person was injured. Overall damage was in excess of \$250,000, which was primarily damage done to autos and resort buildings.																	
VERMONT										WEST VIRGINIA										
Statewide	21		1		1	?	5	0	Heavy rain	Summers, Greenbrier and Pocahontas Counties	26				0	0	6	0	Flooding	
			Snowmelt, accelerated by rising temperatures, combined with heavy rain to cause considerable local flooding. A sixteen year old Danby youth was killed when his car overturned in a flooded brook.										Swollen by a combination of melting snow and more than 24 hours of steady rain, in some areas in excess of 2 inches, the Greenbrier River left its banks from Marlinton in Pocahontas County to Hinton in Summers County producing the worst flood to hit these eastern mountain counties since 1939. The Greenbrier crested at 70.35 feet at Alderson which is 1.65 feet below the all time record of 72 feet in 1918. Between Marlinton and Hinton it was estimated that water caused excessive damage to between 100 and 500 dwellings and business places with Alderson being the hardest hit, where at one time 25 percent of the town was flooded.							
Statewide	26-27		2		?	?	5	0	Heavy rain											
			Snowmelt, accelerated by rising temperatures, combined with heavy rain to cause considerable local flooding.																	
VIRGIN ISLANDS			NONE REPORTED							WISCONSIN			NONE REPORTED							
VIRGINIA Western Counties	8-9								Snow	WYOMING			NONE REPORTED							
			First significant snow of the season began the night of the 8th and continued on the 9th, with amounts ranging from 3 to 10 inches. Carroll County reported 8 inches and up to 10 inches reported in Blaine County. Up to 4000 families without electricity in Giles County, due to downed power lines.								CONNECTICUT	16-17	Late PM			0	0	6	0	Snow, Sleet, Freezing Rain
Henrico, Chesterfield Hanover, Dinwiddie Prince George, Sussex Charles City Counties	11	Morning							3 in. Snow											
			First significant snow of the season fell during the morning hours. Schools closed, numerous minor traffic accidents.											The worst ice storm in history covered the entire state. In the northwest section of the state a 6 inch snowfall was reported. Ice buildup resulted in a greater damage to trees than was experienced in the 1938 hurricane. Power outages caused by falling trees and ice breaking power lines occurred extensively throughout the state. Over 250,000 people were without power. In some cases service was not restored for more than one week.						
All except Tidewater area	16-17				3				Heavy Snow 6" to 16"											
			Began early Sunday morning and tapered off to flurries late Monday night. Up to 16" in Central Virginia counties and some Western counties. 16 foot drifts at Affton Mountain. Schools closed 1 to 2 days.								State	21	Early AM and PM			0	0	?	0	Heavy rains, flash flooding
Western and Northern Counties	21								Snow up to 6"				A rainfall of over 2.5 inches fell on most of lines knocked out by the earlier ice storm. As ice melted from trees they snapped upright, again severing power lines. The rains accelerated the ice melt, resulting in serious urban flooding throughout the state and some flash flooding of streams.							
			A fast moving storm dropped up to 6 inches of snow in parts of western and northern Virginia. While drifting snow added to the problem, rain and snow caused minor flooding on parts of the James River, the Rivanna River in Fluvanna County and minor flooding along the Shenandoah in Augusta, Page, Shenandoah and Warren Counties.																	
	27-29								Minor flooding											
			Melting snow and rain caused minor flooding along the James, the Jackson, the Cowpasture, the South Fork, the North Fork and the Shenandoah Rivers. Most damage in Alleghany County on the Cowpasture River and at Covington on the James River, where the crest was 6 feet above flood stage.																	

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

DECEMBER 1973

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	
<b>NEW JERSEY</b>									
Monmouth County	5	7:50 PM							Electrical
		Lightning struck a cable causing a power outage.							
Somerset County	5	8:50 PM							Electrical
		Lightning struck a home causing minor damage.							
State, Especially Central Section	9	AM early PM late			0	0	?	0	Rain
		Heavy rain accompanied by gusty winds caused widespread flooding of local streets throughout the State. The shore bore the brunt of the storm. Tides ran two feet above normal and heavy surf caused further beach erosion. Some utility outages were reported.							
New Jersey State	16-17	AM Late PM			3	8	6	0	Snow, sleet freezing rain
		A howling storm of snow and freezing rain lashed into the State and blanketed it with extremely hazardous driving conditions. Ice-weighted lines snapped or shorted causing power failures that left most counties without heat or electricity. Mass transit was also effected as third rails and switching signals froze. Many schools throughout the counties were closed. While many accidents were reported only eight resulted in an injury. Damage to trees was astronomical.							
State	21	Early AM Late PM			3	?	?	0	Rain
		Heavy rains lashed the area causing acute local flooding in several northern counties, snarling traffic for many homebound commuters. The rainstorm combined with melting snow and ice left from Mondays storm to swell streams and rivers from one to two feet above flood stage. Some families were forced from their homes because of rising waters. Schools in many counties were closed. Three people were drowned when a car skidded into the south branch of the Raritan River.							
<b>NEW YORK</b>									
<b>COASTAL</b>									
Extreme Southeastern	9	Early AM Early PM			0	0	?	0	Rain
		A storm that moved up the Atlantic Coast swept through the area dropping a record breaking rainfall of 2.19 inches. Gusts were reported as high as 38 mph. Flooding of some local streets and reported heavy surf pounded the shore causing more beach erosion.							
	16-17	0745 AM-2330 PM			6	?	6	0	Snow, Sleet, Freezing Rain
		A low-pressure system moving up the East Coast with a deadly combination of snow, sleet, freezing rain and freezing temperatures propelled by sub-freezing winds caused destruction and extensive disruption of normal in the metropolitan region. Varying combinations of snow, sleet and freezing rain, with the heaviest icing conditions through upper New York City, Brooklyn, Queens, and Western Nassau on Long Island, was responsible for the severest ice storm in many years. In these areas ice accumulated more than one inch on trees and wires with long icicles also forming and adding to the weight. Trees and limbs fell on ice coated electrical wires leaving many communities without electricity or heat. Highways and streets coated with ice and obstructed by fallen trees made travel very hazardous for both driving and walking. Mass transit was also effected as third rails and switching signals froze. Most schools on the North Shore and Staten Island were closed. Numerous accidents were reported but there were no injuries among them. Six deaths were directly attributed to the storm.							
	21				2	?	?	0	Rain
		A record rainfall of more than two inches and melting snow combined with spring like temperatures pushed rivers and streams over their banks and touched off widespread flooding. Many highways and streets were rendered impassable by flooding. Some major roadways were closed until flooding began to recede.							

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

LATE REPORTS

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (FARS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INURED	PROPERTY	CROPS	
<b>DELAWARE</b>	FEBRUARY 1973								
Northern portion	2				0	0	4	0	Rain, wind
	Heavy rain, totaling two or more inches, brought minor flooding to scattered areas. Strong gusty winds caused scattered minor damage. Also noted, a freighter ramed a railroad bridge across the Chesapeake and Delaware Canal, causing extensive damage to the bridge and killing one of the crewmen during morning fog.								
Northern portion	28	3:21 a.							Earthquake
	An earthquake registered 3.5 on the Richter Scale of the seismograph at the University of Delaware Newark. Although minor, it was considered the strongest in the last 100 years. No damage was reported.								
<b>MARYLAND</b>	FEBRUARY 1973								
Eastern portion	2				0	0	4	0	Rain, wind
	Heavy rain, totaling as much as two or more inches in 12 hours on Eastern Shore, brought minor flooding to scattered areas. One of the heaviest totals reported was 2.87 inches at Snow Hill. Scattered minor wind damage was also noted.								
Ocean City	10-11				0	0	4	0	Beach erosion
	A two-day northeaster with strong gusty winds and high tides brought considerable beach erosion to this area.								
Northern and central portions	14								Freezing rain
	Freezing rain coated streets and highways with ice, triggering a great number of traffic accidents. Several multiple-car accidents were reported. One of the most serious was that at the Patapsco River bridge on Route I-95 where bridge froze over before the highway.								
State	17-18				1	0	0	0	Cold wave
	The winter season's coldest temperatures occurred at this time. A 48-year old farm laborer died apparently of exposure to sub-freezing temperatures at Hughesville on the 17th.								
Northeastern portion	28	3:21 a.			0	0	0	0	Earthquake
	An earthquake registered 3.5 on the Richter Scale of the seismograph at the University of Delaware. No damage was reported.								
<b>VIRGINIA</b>	FEBRUARY 1973								
Coastal Sections Southeast	10	All Day			0	0			Snow
	4" of snow accumulated near the shore. Gale winds produced drifting and roads were blocked. Serious beach erosion occurred in the wake of the storm on the 11th.								
<b>WEST VIRGINIA</b>	FEBRUARY 1973								
	NONE REPORTED								
<b>COLORADO</b>	MARCH 1973								
Southeast portion	29-31				0	0	3	7	Snow
	An intense spring storm dumped up to 13 inches of snow on southeastern Colorado. Strong winds accompanying the storm caused considerable blowing and drifting of the snow. Several roads were closed, many motorists were stranded, and an estimated 8000 cattle plus 15,000 newborn calves perished. Hardest hit counties were Baca, Bent, Las Animas, Prowers, and Otero.								
<b>DELAWARE</b>	MARCH 1973								
State	17				0	0	4	0	Wind
	Some minor wind damage occurred as strong cold front moved across the state. Gusts to 53 m.p.h. were reported at the Wilmington Airport Weather Station.								
<b>MARYLAND</b>	MARCH 1973								
Chesapeake Bay area	5	a.m.							Fog
	Fog hampered air travel and ship movements.								
State and District of Columbia	17				0	2	5	0	Wind
	High winds associated with a strong cold front toppled trees, damaged buildings and caused power failures. About 20 small craft along the Chesapeake Bay area were blown ashore or away from their moorings. Wind-whipped waves along the Chesapeake Bay brought flooding to low-lying areas and damage to cottages and piers, especially in the North East and Fort Howard areas. One motorist was injured when a tree fell on his car in Baltimore County. A woman was injured in Baltimore City when a portion of falling tree struck her.								
<b>MARYLAND (continued)</b>	MARCH 1973								
Western portion	17-18	p.m. - a.m.			0	0	4	0	Snow, wind
	Storm dumped up to seven inches in Garrett County and two or three inches in nearby Allegany and Washington counties. Strong winds brought considerable drifting, averaging five to six feet but reaching as much as nine feet. Many secondary roads were closed by the drifts. There were numerous reports of road damage by wind to homes and barns in Friendsville, Oakland and surrounding areas.								
<b>VIRGINIA</b>	MARCH 1973								
SW Portion from Giles Montgomery, Floyd and Carroll Counties, Westward	16	Afternoon			0	0			Heavy rain
	Heavy rain resulted in some local flash flooding.								
<b>WEST VIRGINIA</b>	MARCH 1973								
	NONE REPORTED								
<b>CALIFORNIA</b>	APRIL 1973								
Southern California	1	Afternoon Early Evening			2	5	?	?	Windstorm
	High winds ripped through Southern California causing 2 deaths and 5 injuries. Numerous minor traffic accidents were reported as a result of toppled trees. Several persons were injured when plate glass windows were shattered in Beverly Hills and Orange County. Blinding sand and dust caused the closure of California 86 in Imperial County. Gusts up to 60 MPH were reported at airports in Palmdale and Lancaster.								
Southern California	4	Afternoon Early Evening			0	?	?	0	Windstorm
	Wide raging Santa Ana winds scoured Southern California with gusts up to 72 MPH at El Monte Airport. Several persons were injured by windborne debris and numerous power outages were reported throughout the Los Angeles Basin.								
<b>DELAWARE</b>	APRIL 1973								
	NONE REPORTED								
<b>MAINE</b>	APRIL 1973								
Statewide	1-3				1		6		Northeast gale
	Severe northeast coastal gale with heavy seas, surf, high tides up to 6' above normal, coastal flooding, and extensive damage to seawalls. Heavy rains deposited 7.28" at Kennebunk, 5.26" at Portland. Flash flood warnings in southwestern Maine. Rain in the southwest; mixed rain and snow over the rest of the state. Up to 20" of snow in western mountain ski areas and 4-8" of snow in rest of state. Heavy road damage in southwestern counties with washouts, landslides, and flooded out roads. Trees and power lines down. Paper mill in Westbrook flooded out for several days. One person killed near Bar Harbor (skidding accident). Damage estimated \$1.1 million. Record April rainfall at Portland, 9.90".								
Statewide	5					3			Gale
	Coastal storm with snow and rain on the coast and 7-10" of snow in the north. Numerous skidding accidents. Three persons injured at Dixton (skidding accident).								
Statewide	11				1		4		Rain/snow
	Rain along the coast with 4-6" of snow inland. One death near Augusta (skidding accident).								
<b>MARYLAND</b>	APRIL 1973								
Waldorf, Charles County	1	07:00 p.	1/2	20	0	0	4	0	Tornado
	A team from the National Weather Service Forecast Office, Suitland, investigated and confirmed a small tornado which had touched down in the St. Charles City area. At least five houses received some damage. One of them had its rear porch catapulted over the roof, landing in the front yard. Other damage was principally to roofs and windows. Hail and heavy rain was observed at the time of the tornado.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

LATE REPORTS

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY			
							PROPERTY	CROPS		
MARYLAND (continued)	APRIL 1973									
Central and north-central portions	1	Late afternoon-early evening			0	0	4	0		Hail, rain, lightning
										Severe thunderstorms brought hail, heavy rain, lightning damage and flash flooding to scattered areas. Hail fell in many places; in the Dundalk and Essex areas, it was reported as large as golf balls. In some places it completely covered the ground and, in particular, in the Essex area to the depth of one to two inches. A mother and her three children were rescued from their car, floating on one of Anne Arundel County's flooded roads.
Garrett County area	10-12									Snow
										A late season snow, up to eleven inches in three days, slowed traffic and closed schools on at least one day. Low temperatures brought some damage to orchards in the three western counties.
State and District of Columbia	27									Rain
										Rainfall of this date, combined with that of the previous two days, brought minor flash flooding to scattered areas.
MASSACHUSETTS	APRIL 1973									
Statewide	1-2				0	0	3	0		Wind, rain
										Coastal storm dropped general rains of 2 to 4 inches with gale-force winds along east coastal sections. Earthslides, flooded roads and cellars, stalled cars were common during the storm. Some power outages from wind-downed tree limbs dropping on power lines. Haverhill reported 4.66 inches of storm rainfall. Above normal tides caused some minor flooding at high tide. Heaviest rains occurred over the east half of state.
NEW HAMPSHIRE	APRIL 1973									
Statewide	1-3							6		Northeast gale
										Severe northeast gale with heavy seas, surf, high tides up to 6 ft above normal, coastal flooding and extensive damage to seawalls. Heavy rains, 6.31" at Portsmouth. Flash flood warnings for Rockingham and Stafford counties. Mostly rain with some wet snow in the mountains. Winds reported 191 mph at Cannon Mountain. Also reported earliest closing of ski slopes. Heavy road damage with washouts, landslides, and flooded out roads. Dam had to be dynamited at Exeter.
Statewide	11				1			4		Rain
										Heavy rain and snow, up to 12" in the mountains. One death at Hanover (skidding accident). Mt. Washington Observatory reported 72" of snow during the month.
NEW YORK COASTAL	APRIL 1973 NONE REPORTED									
NEW YORK CENTRAL	APRIL 1973 NONE REPORTED									
NEW YORK WESTERN	APRIL 1973									
Hamburg, Erie County	1	6:47 a.			0	0	unk			Lightning
										Bolt of lightning struck house causing some damage.
Kenmore, Erie County	1	12:20 p.			0	0	unk			Lightning
										Bolt of lightning hit a television antenna causing minor damage.
Livingston County	6	morning			0	0	unk			Heavy rain
										About 3 acres of earth slid into the Genesee River causing damage to trees, forcing the closing of a rural road, and causing the normally 100 ft. channel to narrow to about 20 feet in the early part of the day. By late afternoon, the river had swept away much of debris and the channel had widened to 50 feet.
Sodus Point, Wayne County	9				0	0	unk			Wind
										About 20 homes at Sodus Point were surrounded by water after winds sent waves crashing ashore from Lake Ontario. The waves caused more damage along 100 miles of shoreline stretching east and west from Rochester, but Sodus Point appeared to be worst hit.
NORTH CAROLINA	APRIL 1973									
Pender County	27	12:18 a	1 1/2	100	0	0	4	0		Tornado
										Tornado touched down near Hampstead causing near \$10,000 damage to power lines and timber.
NORTH CAROLINA (continued)	APRIL 1973									
Beaufort County	27	4:15 a	1/2	125	1	1	4	0		Tornado
										Tornado touched down near Burberge Cross Roads, near Bath, N. C., 1 person killed and 1 critically injured were occupants of trailer which was completely destroyed. Other buildings and timber destroyed also. Total damage near \$10,000.
OHIO	APRIL 1973									
Denmark Township, Ashtabula County	1	1:30 p			0	0	3			Wind
										Strong winds struck Denmark township damaging eight homes. A concrete block building was destroyed and one wooden building was blown from its foundation.
Western Lake Erie Shore	9	Afternoon Early Night			0	0	7	4		Lakeshore flooding
										Severe flooding along the southwestern shores of Lake Erie from Toledo eastward to Vermilion and upstream of several rivers caused damage estimated at \$7 to \$10 million. The water level reached a record height of 110 inches or 8.3 feet above Low Water Datum which is nearly 3 feet above flood level at Toledo. Hardest hit was the Toledo area where over 600 persons were evacuated, 550 residences were totally inundated and 1500 partly flooded. Other areas affected were Port Clinton, Reno Beach, Howard Farms, Sandusky, Huron and Vermilion where houses were flooded and some evacuation was necessary. Fields were flooded and left unfit for spring planting.
Huron and Franklin Counties	9	Afternoon			0	0	4			Electrical
										Lightning caused damage to several buildings in Huron County. One bolt struck a radio tower in Norwalk, knocking out the radio and damaging the Baltus building at 3:35 p.m. Lightning caused considerable damage to a house in Columbus around 2:30 p.m.
Central	12	midnight 5:00 p						3		Snowstorm
										A fast moving snowstorm dumped 4 to 6 inches of snow in a narrow path from Dayton to Cambridge nearly paralleling Interstate 70. Springfield reported 3 inches and Columbus 6 inches. Numerous accidents were reported and Interstate Highway 75 was closed for a short period early in the day.
Sandusky, Erie County	16	11:00 a 12:00 a			0	0	3			Wind
										Winds, gusting up to 70 miles per hour swept over the Sandusky area damaging buildings, scattering debris, and blowing down trees and wires. The roof of one building was blown 60 feet.
Findlay, Hancock County	16	Around Noon			0	0	4			Wind
										Winds gusting to 52 mph caused extensive damage to the north dike of the new Findlay reservoir.
PENNSYLVANIA EASTERN	APRIL 1973									
Lancaster County	Apr 10	2-3 AM			0	0	2			Heavy rain, electrical
										Thunderstorms accompanied by heavy rain and lightning caused some flooding and power outages.
PENNSYLVANIA WESTERN	APRIL 1973									
Washington and Allegheny Counties Crawford County	1	Afternoon			0	0	1	0		Electrical and hail
										Series of moderate to severe thunderstorms moving eastward during afternoon, some heavy rain causing some sewer flooding but no serious damage. Widespread hail reported with storm, ranging in size from 1/2" to 1 1/2".
SOUTH CAROLINA	APRIL 1973									
Finklea, Horry Cty.	7	PM	2	100	0	0	5	2		Tornado
										Tornado dipped down in Finklea, S. C. and skipped along for one mile. Damaged or destroyed 2 commercial buildings, one mobile home and 20 barns plus considerable utility disruption.
Four Miles west of Cades & near Lake City	7	4 to 6PM			0	0	3	3		Wind, Lightning
										Severe thunderstorm damaged several homes and crops.

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

LATE REPORTS

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	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							KILLED	INJURED	PROPERTY	CROPS		
<b>SOUTH CAROLINA (continued) APRIL 1973</b>										<b>MICHIGAN (continued) JUNE 1973</b>										
Northwest & Northern South Carolina	11-12	Night	0	0	0	0	0	6	Frost and Freeze	Kalamazoo, Kalamazoo Co.	26	7:30a				3			Rain, wind lines down.	
									Cold outbreak on 11th and 12th caused considerable damage to S. C.'s multimillion dollar peach crop with most damage in Spartanburg County area.	5 NE Adrian Lenawee Co.	26	3:26p			0	0	0		Tornado	
<b>VERMONT</b>	APRIL 1973		NONE REPORTED								Monroe, Monroe Co.	26	3:30p	0.2	60	0	0	5		Tornado
<b>VIRGINIA</b>	APRIL 1973		NONE REPORTED								Iron Mountain, Dickinson Co.	26	afternoon					3		Rain, wind, hail.
Prince William and Fairfax Counties, Fairfax City, Falls Church	1	3:10 p - 3:45 p	15	200	0	37	7	-	Tornado	Birmingham, Oakland Co.	26	4p			0	3			Tornado.	
									Major damage stretched along a six mile path as 226 houses were damaged. Other damage was to a high school, two shopping centers and an apartment complex. Total dollar damage was \$13.75 million.	1 W Edwardsburg, Cass Co.	27		4	3500	0	0	0	0	C	Hail
Prince William, Fauquier, Fairfax, Loudoun, Clarke, Warren Counties	27	Early morning	-	-	0	0	-	-	Heavy rains, flash floods		<b>NEVADA</b>		JUNE 1973		NONE REPORTED					
									Rains exceeding two inches caused flash flooding of small streams.		<b>NORTH DAKOTA</b>		JUNE 1973		NONE REPORTED					
<b>WEST VIRGINIA</b>	APRIL 1973		NONE REPORTED								Northwest Half North Dakota	2	afternoon			0	0	5	5	Thunderstorms
<b>ALASKA</b>	MAY 1973		NONE REPORTED								Extreme Southwest	4	Evening			0	0	3	4	Hail, funnel cloud
<b>NEVADA</b>	MAY 1973		NONE REPORTED																	
<b>NEW YORK COASTAL</b>	MAY 1973		NONE REPORTED								Rolette, Pierce, Sheridan and McHenry Counties	15	Evening			0	0	5	3	Hail, winds
<b>NORTH DAKOTA</b>	MAY 1973		NONE REPORTED								Valley City Barnes County	15	6:15 P			0	0	3	?	Thunderstorm
<b>CALIFORNIA SOUTHERN</b>	JUNE 1973		NONE REPORTED								3SW Casselton Cass County	15	6:30 P			0	0	5	3	Tornado
<b>ILLINOIS</b>	JUNE 1973		NONE REPORTED								Englevalle	15	Night							Funnel cloud
NAUVOO 23 miles SW OF BURLINGTON IOWA	2	3 PM	?	?	0	0	?	?	TORNADO	55 Langdon Cavalier County	15	8:30 P			0	0	?	?	Tornado	
									storm picked up implement shed at a farm near town, and carried it 400 feet into hayloft of adjacent barn. minor damage at farm.	11S Fort Yates Sioux County Hillsboro	15	10:35 P			0	0	5	?	Funnel cloud	
DALLAS CITY 13 miles SSW OF BURLINGTON IOWA	16	7:40 PM	?	?	0	0	?	?	TORNADO	16	Afternoon			0	0	5	?	Tornado		
									tornado moved east over farm near town destroying a hogshed and machinery shed.											
GALVA 15 miles W of BRADFORD	18	1:15 PM	?	?	0	0	0	0	TORNADO	Ashley	16	Afternoon			?	5			Hail	
									storm touched down southwest of town.											
OKAWVILLE 4 1/2 miles SSW of VANDALIA	18	9 PM	?	?	0	0	?	?	TORNADO	Extreme East North Dakota	16	Evening			4	5			Hail	
									tornado moved east producing minor damage to buildings in a narrow path. flag poles and radio antennas bent, metal roofing peeled off a building.											
<b>MICHIGAN</b>	JUNE 1973		NONE REPORTED								25W Cooperstown	16	6:20 P			0	0	?	?	Tornado
Armada, Macomb Co.	5	4p						3	Rain, wind	2NW Lisbon	16	Evening			0	0	?	?	Tornado	
									Large tree uprooted and blown over, damaging house.											
Brooklyn, Jackson Co.	12							4	Wind, rain											
									Barn destroyed. Several buildings damaged. Trees down.											
Milford, Oakland Co.	12	7:30p						4	Rain, wind, hail											
									Widespread minor damage to buildings and power lines. Brick wall knocked down. Roof of store lifted. Funnel cloud sighted in vicinity.											
Jennison, Ottawa Co.	13	1p	**70	2-3	0	0	2	0	Dust Devil											
									Dust devil formed in backyard, picked up a rug, step-ladder, patio umbrella. Also picked up patio table made of concrete (350 pounds) depositing it 3 feet away in several pieces.											
2 E Fremont, Newaygo Co.	16	2:30a			2	2			Lightning											
									One person cut by flying glass, another lost balance on stairway when house was struck.											
Cheboygan, Cheboygan Co.	18	6p					3		Lightning.											
									Barn filled with hay destroyed.											



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

LATE REPORTS

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
<b>MICHIGAN</b>									
2 E Leslie, Ingham Co.	2	afternoon			0	0	3		Tornado
									Large trees downed. Farm building, mobile home damaged. Automobile destroyed.
Escanaba, Delta Co.	25	5-6p					2		Lightning
									Church and two houses damaged. Ball lightning reported to have travelled two blocks along street.
Douglas, Silegan Co.	26	3a					3		Wind
									Tree fell onto house
2 SE Clare, Isabella Co.	26	morning	0.2		0	0	3	C	Tornado
									Mobile home blown off foundation and badly damaged. Farm wagons blown 75 yards. Swath cut through cornfield.
1 S Homer, Calhoun Co.	26						3	C	Wind and hail
									Three cattle destroyed by downed power line. Corn, oats, and gardens damaged by hail.
2 W Hastings Barry Co.	27	10-11p					3		Wind
									Garage destroyed by falling tree
Frankfort, Benzie Co.	28	7p							Heavy rain
									Local urban flooding
Cheboygan, Cheboygan Co.	30	mid-afternoon					3		Rain, wind, hail
									Many trees down and buildings damaged. 1 1/4 inch hail reported.
2 N Pinconning, Bay Co.	31	6-20a	4.8	30	0	0	4	C	Tornado, hail
									Barn, farm, equipment, and mobile home destroyed. Other buildings damaged. Trees downed. Crops damaged by hail.
Mt. Pleasant, Isabella Co.	31	3-4p					3		Rain, wind, lightning
									Several buildings damaged by falling trees. Barn set afire by lightning.
West Branch, Ogemaw Co.	31	evening			1	1			Lightning
									Milking barn struck. Man and six cows injured.
Hudson, Lenawee Co.	31	evening							Heavy rain
									Local urban flooding
<b>NEVADA</b>									
6 miles north of Reno	16	1223PST	1	75-100	0	1	1		Tornado
<b>NORTH DAKOTA</b>									
10S Rugby	1	Evening	?	?	0	0	5	0	Tornado.
									The tornado touched down and ripped up several telephone poles and then withdrew into the clouds.
4S Cogswell	1	6:40 P	?	?	0	0	5	4	Tornado.
									The tornado struck a farm leveling all the buildings except the house. Trees were twisted off and an automobile was found one-eighth mile away. In addition to the tornado, the area received small hail and about 2 inches of rain.
4NW Lidgerwood	1	8:30 P	?	?	0	0	5	4	Tornado.
									Several farm buildings were completely destroyed.
Southeast North Dakota	1	Evening					5	3	Thunderstorms.
									High gusty winds in numerous thunderstorms caused damage to trees, power lines, buildings, and mobile homes.
Beach	6				0	0	5	4	Hail.
									Golf ball size hail stripped trees of foliage, damaged buildings and automobiles, and caused extensive crop damage. Nearly every building in Beach suffered broken windows. Winds to 80 MPH accompanied the storm.
Northeast North Dakota	7	Early Morning			0	5	5	5	Thunderstorms Winds.
									Thunderstorms with strong gusty winds resulted in wind damage over a wide area and 5 injuries. The injuries were to occupants of damaged mobile homes near Langdon, Hampden and St. Michael.
<b>NORTH DAKOTA (continued) JULY 1973</b>									
Grafton	13	Afternoon					2	4	Hail
									Winds to 60 MPH and 1/4 inch hail accompanied a thunderstorm. The hail covered the ground and looked like a blanket of winter snow.
Sargent, Ransom and Richland Counties	29	Early morning					4	5	Hail.
									Hail insurance adjuster's maps indicated 2 storms, each traveling about 50 miles. The first started near Lisbon and ended near Lidgerwood. The second originated near Britton, South Dakota and also ended near Lidgerwood.
Drayton, St. Thomas	29	1:00 P			0	0	3	5	Hail.
									Hail up to golf ball size fell in a band about 15 miles long and 2 miles wide.
<b>SOUTH DAKOTA</b>									
Eastern South Dakota	1	Early Aft. to midnight			1	5	6	5	High winds, heavy rain, hail, tornadoes.
									Line of thunderstorms moved across eastern South Dakota evening of July 1. There were heavy rains, large hail and winds gusting as high as 80 mph. Most of the damage was confined to outland areas and to crops which were in early stages of development.
									Tornadoes occurred in counties listed below:
Aurora									
Brown									
Brule									
Coddington									
McCook									
Minnehaha									
Beadle	2	1300			0	0	5	5	Large Hail, Strong Winds, Heavy rain.
Buffalo	2	1437			0	0	5	5	
Tripp	2	Eve			0	0	5	5	
Black Hills	4	Early Aft.			0	0	5	0	Heavy rain, large hail.
Tripp	4	2200 CDT			0	0	4	0	Tornado
Brookings	8				0	0	5	5	High wind, hail, heavy rains.
Charles Mix									
Campbell									
Edmunds									
Jones									
Hughes									
Hutchinson & Stanley Counties	8				0	0	4	4	Tornadoes
Beadle	10	0130							Funnel Cloud
Yankton	10	0300							Funnel Cloud
Hughes	23	1545	3	200	0	10	6	0	Tornado
Lincoln	28	Aft. & Evening			0	0	0	4	Large Hail, Strong Winds.
Sully	28	2020			0	0	0	0	Funnel Cloud
Lincoln	29	1615							Funnel Cloud
<b>ALASKA</b>									
Juneau Area	10-12	Evening Morning	Unk	Unk	0	0	4	0	Heavy Rain
									Heavy rain and high runoff occurred in the Juneau Area Aug 10-12, 1973. Slides occurred in the Highland Area. Highways were 3/4 covered with mud at 2 mile Thane Road (same location of a large snowslide that occurred Jan 22, 1973). Some urban drainage flooding occurred in the Juneau Area. Most of Damage costs were attributed to clean-up operations.



# STORM DATA AND UNUSUAL WEATHER PHENOMENA

LATE REPORTS

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	
<b>CONNECTICUT</b>									
Fairfield and Litchfield Counties	28	Afternoon			0	1	?	0	Electrical Storm
A thunderstorm packed with high winds hail and lightning swept through Western Connecticut pulling trees, blocking roads and cutting electrical power. Hail as large as Ping-pong balls were reported in Cornwall.									
<b>KANSAS</b>									
AUGUST 1973									
Sheridan County	1	Aftn			0	0	?	?	
Golf Ball size hail at Hoxie.									
Barton and Pawnee Counties	3	8:00 a			0	0	4	0	Lightning, Wind Damage
Scattered severe thunderstorms produced damage primarily to utility lines at Larned and a home 3 miles north of Great Bend.									
Stanton, Western, Hamilton, and northern Wichita Counties	3	8:00 p			0	0	1	4	Damaging Winds Hail, Funnel Cloud
Northern Finney County	3	8:15 p			0	0	0	4	Hail
Marble to golf ball size hail 3-5 miles.									
Sherman County	4	7:00 - 8:00 p	8	?	0	0	?	?	Hail
Golf ball size hail from 2 to 10 miles east of Goodland. Wind gusts to 54 miles per hour at Goodland.									
Atwood Vicinity	5	11:00 p			0	0	4		Wind damage
Severe thunderstorm resulted in winds estimated to 70 miles per hour with local property, tree, and power line damage.									
Geary, Pottawatomie, Nemaha, Brown, Northwest Jackson, Southeast Riley Counties	7	Evening			0	0	5	1	Wind, Flash Flood Lightning
Intense thunderstorms producing strong damaging winds, heavy rains of 3 to 5 inches and several lightning strikes spread northeastward along a 50 mile wide band from Fort Riley to Sabetha. The most intense damage caused by severe winds occurred in the Gustar Hill area of the Fort Riley Military Reservation, where roof and window damage amounted to \$50,000. Elsewhere in the area crop and property damage primarily occurred from flooding and lightning.									
Ottawa County	8	Morning			0	0	4		Lightning
Lightning struck and killed a bull and five cows standing in a farm pond near Miles.									
Jewell County	8	8:30 p			0	0	5	?	Wind, Hail
Strong winds estimated at 80 miles per hour caused considerable damage to camper trailers and boats in Lovewell Lake area. Golf ball size hail caused extensive crop damage to the north and southeast of the Lovewell Lake area.									
Osborne County	9	Evening			0	0	?	?	Hail, Heavy Rain
Large hail and heavy rain just west of Osborne stripped silage corn and milo.									
Northern Finney County	10	1:05 a			0	0	3	0	Wind, Funnel Cloud
Strong winds and funnel cloud caused some property damage in vicinity of Friend.									
West and North	11-12	Night			0	0	5	3	Wind, Hail, Lightning, Flash Flood
Spotty severe thunderstorms produced considerable local damage. The most serious was at Oakley around midnight where severe winds estimated at 100 miles per hour caused 50 thousand dollars property damage. Large hail resulted in considerable crop and roof damage in Washington County and especially in Hollenberg vicinity. Winds reported to 60 miles per hour at Sharon Springs, 74-84 miles per hour at Garden City. Local rains of 3-4 inches and strong winds caused crop loss and power line damage extreme northeast and in Russell County early on the 12th. Several lightning strikes produced fire losses.									
McPherson County	13	7:15 a			0	0	4	0	Lightning
Lightning destroyed Barn and new pickup truck 5 miles east and 1/2 miles south of Roxbury.									
Dickinson, Barton Counties	13	Morning			0	0	4		Lightning
Several lightning strikes with most serious destroying a home and two oil tanks in Great Bend vicinity, and 50 ton of Hay and 3 head of livestock near Herington.									
Elk County	13	7:30 p							Funnel
Funnel reported near Oak Valley.									
Northwest Marion County	16	6:30 a			0	0	4	0	Lightning
Barn and contents destroyed by lightning.									
<b>KANSAS (continued)</b>									
Republic County	29	11:00 p			0	0	4	0	Wind
Strong gusty winds blew a double-deck cattle truck off U. S. Highway 36 into a ditch 13 miles east of Belleville, causing extensive damage.									
Clark County	31	8:50 p	0	10	0	0	0	0	Tornado
Tornado touched down briefly in open country 10 miles west of Ashland.									
<b>SPECIAL HAIL SUMMARY</b>									
Hail Loss Clearing House reports indicate hail was especially severe on these dates in the following counties:									
1	Seward								
3	Wichita								
7	Nemaha, Scott								
8	Jewell, Republic								
9	Brown								
11	Doniphan, Wichita								
12	Doniphan								
<b>MICHIGAN</b>									
AUGUST 1973									
Wild Fowl Bay, near east shore of Saginaw Bay.	1	10.45a							Waterspout
Water lifted 25 feet.									
5-12 miles west of Rogers City, Presque Isle Co.	5	evening					4		Flash flood
Over 4 inches of rain caused highway washouts and local flooding on Ocqueoc River and Schmidt Creek.									
North tip of Lower Peninsula	30	1-4p					4		Thunderstorms
Severe squall line swept through area from Alpena and Traverse City northward. Many trees and power lines down. Bbats overturned and swept from moorings. Minor damage to buildings.									
<b>NEVADA</b>									
AUGUST 1973									
Lake Mead	3	4 pm					1	4	Thunderstorm
Violent winds ripped through the Echo Bay resort on Lake Mead damaging 7 house trailers and sinking or swamping 4 boats. Wind gusts registered 100 m.p.h. during a half-hour period.									
Las Vegas	20	8 pm					6		Thunderstorm
Severe thunderstorm caused 1.5 million dollars' damage to one marina and \$100,000 to another.									
Entire State	--	---					1	6	Thunderstorms
Range and forest fires, caused by lightning, consumed over 27,000 acres in the state during August. The cost of suppression, rehabilitation and watershed damage was over one million dollars.									
One borate bomber pilot was killed in the crash at a central Nevada fire, north of Austin.									
<b>NEW YORK</b>									
COASTAL									
Westchester County	31	Evening	40		0	1	?	0	Thunderstorm Wind
Thunderstorm struck several areas in the early evening with winds up to 55 miles per hour. Numerous trees were reported down on power lines causing failure. Northern Westchester was hardest hit by the storm.									
<b>NORTH DAKOTA</b>									
AUGUST 1973									
Gwinner	3	5:35 P			0	0	2	?	Thunderstorm
Gusty winds and hail to 1 inch were reported at Gwinner.									
Ramsey and Nelson Counties	12	Evening			0	0	4	5	Hail
Hail of various size broke windows, damaged motor vehicles and caused crop damage.									

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

LATE REPORTS

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					KILLED	INJURED	PROPERTY	CROPS	
<b>NORTH DAKOTA (continued) AUGUST 1973</b>									
Ward, McLean and Burleigh Counties	14	Evening			0	0	?	4	Hail
									Scattered areas of hail caused crop damage.
Cavalier, Walsh and Grand Forks Counties	17				0	0	5	7	Hail
									Hail as large as baseballs and goose eggs caused extensive property and crop damage. The heaviest damage seemed to be in an intermittent path about 7 miles wide and 100 miles long extending from Wales to Mahvel.
45W Devils Lake	18	10:25 P							Funnel
Rugby	21	4:30 A	?	?	0	0	5	?	Tornado
									The tornado uprooted trees, took roofs off buildings and flattened a slaughterhouse under construction. Timbers from a lumber yard were said to have been driven four feet into the ground. The tornado, which occurred in an area of heavy thunderstorm activity, was observed by a Rugby policeman.
North Central North Dakota	21	Early Morning			0	0	5	6	Thunderstorms
									Hail flattened crops and high winds caused building damage over a wide area. The most extensive damage occurred in a band about 20 miles wide and 80 miles long from Souris to Bakr.
Griggs and Barnes Counties	21	6:30 A			0	2	5	?	Thunderstorms
									Strong gusty winds in thunderstorms caused damage to trees and buildings. Two occupants of a trailer house southeast of Hannaford escaped with minor injuries when their home was rolled over and destroyed.
Central North Dakota	26	Early Morning					?	?	Hail
									Golf ball size hail was reported near Douglas, Glen Ullin and Mandan.
<b>PENNSYLVANIA AUGUST 1973</b>									
MONTGOMERY, BUCKS, PHILADELPHIA, CHESTER COUNTIES	1	6-8 PM							
	2	3-5 AM			3		5		Heavy rain, electrical
		3-5 PM							Heavy thunderstorms moving across the area produced heavy rain causing building and roadway flooding. Bridges were washed out or damaged. 100 houses were flooded, 3 were structurally damaged. 1 lightning fire. Norris-town-Lansdale area were the hardest hit. There were 3 storm-related automobile deaths.
FRANKLIN COUNTY	7	5-7 PM			0	0	4		Wind
									Thunderstorm winds downed trees and moved the roof from a barn. Winds unofficially reported at 63 mph.
CUMBERLAND, DAUPHIN LANCASTER, CARBON, LUZERNE, UNION, SNYDER, NORTHUMBERLAND, LYCOMING, BERKS COUNTIES	10	2-10 PM			0	2	5		Heavy rain, electrical, wind
									Heavy thunderstorm moved across the area causing roadway flooding and downing trees. Many lightning strikes on buildings and power lines. One barn buried power outage to 40,000 customers. Unofficial winds of 50 mph at York and 56 mph at Lancaster.
TIOGA, LYCOMING, SULLIVAN COUNTIES	18	PM			0	0	4		Heavy rain, wind, hail
									Heavy rains and winds accompanying thunderstorms washed out roadways and felled trees. Hail was reported at Eagles Mere.
LEHIGH, LACKAWANNA, MONTGOMERY, BUCKS COUNTIES	19	3-5 PM			0	6	4		Heavy rain, wind, hail, electrical
									Heavy thunderstorms caused roadway flooding, downed trees, power outage due to lightning strikes. Hail was reported at South Scranton. Several injuries in storm-related automobile accidents.
<b>PENNSYLVANIA (continued) AUGUST 1973</b>									
LUZERNE COUNTY	27	11 AM-1 PM			0	0	4		Heavy rain, wind, electrical
									Heavy thunderstorms caused many large trees to be downed or uprooted and power outages with buildings and automobiles damaged. Some minor fires from lightning strikes. Most of the damage was at Dallas, Pa. where some local residents described the storm as "a twister." This statement was not verified.
BRADFORD, BERKS, CARBON, NORTHAMPTON, LEHIGH, BRADFORD, LEBANON COUNTIES	31	2-6 PM			0	0	4		Heavy rain, wind, electrical, hail
									Heavy thunderstorms moving across these areas downed trees and power lines damaging buildings and automobiles and causing power and telephone outages. Heavy rains caused roadway flooding with some building flooding in Bradford Co. Hail was reported in Carbon, Lebanon and Berks Counties. Considerable hail was reported at Hickory Run.
<b>FLORIDA SEPTEMBER 1973</b>									
HOLMES BEACH, MANATEE CO.	3	4:30PM			0	0	4	0	WINDSTORM
									A BRIEF BUT VIOLENT WINDSTORM STRUCK THE NORTHERN PORTION OF LONG BOAT KEY (NEAR HOLMES BEACH) DESTROYING ABOUT 10 ALUMINUM CARPORTS AND KNOCKING DOWN A SEA WALL. DAMAGE WAS AROUND \$5000.
TAMPA, HILLSBOROUGH CO	8	6:00PM			1	0	0	0	LIGHTNING
									A 33 YEAR OLD EMPLOYEE OF EASTERN AIRLINE WAS STRUCK BY LIGHTNING AS HE WAS FUELING AN L-1011 JET. HE DIED ON SEPTEMBER 11TH.
PORT EVERGLADES, BROWARD CO.	19	4:10PM			1	0	0	0	LIGHTNING
									A 69 YEAR OLD DANIA MAN WAS STRUCK AND KILLED BY LIGHTNING WHILE UNLOADING STEEL RODS FROM A CRANE.
<b>KANSAS SEPTEMBER 1973</b>									
Wyandotte County	23	1:30 - 7:30 a						4	Lightning
									Lightning caused extensive damage to power lines in the Kansas City, Kansas, area.
<b>NEVADA SEPTEMBER 1973</b>									
									NONE REPORTED
<b>NEW HAMPSHIRE SEPTEMBER 1973</b>									
									NONE REPORTED
<b>NORTH DAKOTA SEPTEMBER 1973</b>									
Bottineau County	1	afternoon			0	0	7	7	Heavy rains
									Nearly stationary thunderstorms dumped huge amounts of rain on Bottineau County in a short time. One location received about 5 inches in an hour. Roads were washed out and basements were flooded. However, the greatest loss was in soil erosion and crop damage.
Sargent and Richland Counties	23	night			0	0	4	?	Lightning
									Unusual heavy lightning activity damaged several power lines and transformers, killed 3 head of cattle and set straw bales on fire.
<b>KENTUCKY OCTOBER 1973</b>									
									NONE REPORTED
<b>MICHIGAN OCTOBER 1973</b>									
Port Sanilac, Sanilac County	28							4	Wind and Waves
									One boat sunk, three boats and docks damaged.
<b>NEVADA OCTOBER 1973</b>									
									NONE REPORTED

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

LATE REPORTS

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
<b>MISSISSIPPI</b>										
Clay County	26	1:15-1:30								TORNADO
		Tornado first struck 3 miles west of Una and then skipped eastward to near Una.								
Webster County	26	1:30 PM								TORNADO
		Tornado 3 miles north of Eupora moved northeastward.								
<b>NORTH DAKOTA</b>										
	19, 20, 21				0	0	?	?		Snow
		Locally heavy snow was produced by a low pressure disturbance which skirted the State to the south and east during the three-day period. Some of the heaviest snow occurred at Minot where 8 inches had accumulated by the morning of the 20th.								
<b>PENNSYLVANIA</b>										
<b>EASTERN</b>										
Lancaster, Montgomery Bucks, Northampton, Monroe, Lehigh, Berks, Chester, Delaware, Phila. Counties	1	10-4 PM			0	8	5	0		Wind
		A deep low pressure system centered over New England caused strong winds over Penna. particularly strong over Southeastern Penna. Trees and tree limbs downed or uprooted. Power outage to several thousand customers. Buildings blown down or moved. Several concrete block walls under construction blown over, workers were injured. Airplanes blown over and damaged. Wind gust reported to 61 mph at Lancaster Airport, 59 mph at Allentown-Bethlehem-Easton Airport and 51 mph at Philadelphia International Airport.								
Honesdale area, Wayne County	28	4 PM			0	0	4	0		Wind
		Drive-in movie screen blown down								
Near Phoenixville, Chester County	28	4:30 PM	< 1	25	0	0	4	0		Tornado
		A small tornado uprooted a tree, destroyed a garage, knocked the side of a barn down, lifted farm wagons, animals and firewood. Three people observed the tornado.								

# STORM DATA AND UNUSUAL WEATHER PHENOMENA

CORRECTIONS

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED <sup>1</sup> DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
<b>MISSOURI</b> Osceola (48W) St. Clair County	20	APRIL 1973 1:08p.				1				<b>GEORGIA</b> State Name Omitted In September.									
Atlanta, Macon County	20	5:35p.			0					<b>KANSAS</b> Wilson County	24	SEPTEMBER 1973 5:05 p	10	100	0	0	5	5	Tornado
<b>SOUTH CAROLINA</b> Beaufort County, 4 mi SE of Beaufort, SC	29	MAY 1973 2 PM	7 MI	30	0	0	4	0	Water spout-Tornado	Meade County	25	5:25 p	5	50	0	0	4	0	Tornado
One or possibly two waterspouts observed to move onshore hence northeast across shell point and Cherry Hill area to vicinity of Marine Corps Station, damaging bridge, homes and other property.																			
<b>WASHINGTON</b>		MAY 1973 NONE REPORTED								<b>MAINE</b> East Poland, Androscoggin County	25	SEPTEMBER 1973 1:30 p							Dust Devil
<b>MICHIGAN</b> Southeast Michigan (East of a line through Mt. Pleasant and Coldwater)	26	JUNE 1973 2-6p			1	10	7	C	Squall Line, wind and rain	<b>KANSAS</b> Harper County	18	OCTOBER 1973 1-2 a	short narrow	0	0	5	0	Tornado	
Girl struck by falling tree limb - died later of injuries. Other injuries were in automobile accidents. Widespread damage to power and telephone lines. Three days required to restore services. Extensive local urban flooding. Much damage to buildings and cars in downtown Detroit. 13 aircraft destroyed in north suburbs. Wind at Metropolitan Airport gusted to 94 mph. Two paths of heavy straight line wind damage, one 45 miles long 3/4 mile wide from 4 miles southwest of Ann Arbor to 3 miles east of Troy, the other 38 miles long from 6 miles southeast of Adrian to Newport.										<b>LOUISIANA</b> Sabine Parish	27	NOVEMBER 1973 1:00 PM			0	0	2	0	Waterspout-Tornado
4 cattle destroyed by lightning near Manchester.																			
<b>OKLAHOMA</b> 3 1/2 E Hominy, Osage County	18	JUNE 1973 About 4:30 p.	2 1/2	75	0	0	5	0	Tornado										
Correct time of occurrence to read 4:30 p.m. instead of 6:00 p.m.																			
<b>WASHINGTON</b>		JUNE 1973 NONE REPORTED																	
<b>CALIFORNIA</b> NORTHERN & CENTRAL Point Arena, Mendocino County	25	AUGUST 1973 4:55pm							Funnel cloud aloft										
Pilot reported funnel cloud aloft over Point Arena Shoreline.																			
<b>CALIFORNIA</b> SOUTHERN Desert Center (Riverside Co.)	3	AUGUST 1973 3P			0	7	6		Thunderstorms & High Winds & Hail										
Heavy thunderstorms and high winds hit the desert area of Southern California just north of Desert Center. Forty-two mobile homes were destroyed by winds estimated to be over 100 MPH. Flooding from the 45 minute downpour knocked out power and telephone lines and caused closure of many roads. Hail 1/4 to 1/2 inch was reported.																			
Blythe (Riverside Co.)	16	9P			0	0	4		Tornado & Hail										
A tornado was reported to the Blythe FSS at about 9 PM. The tornado severely damaged a mobile home moving it about 50 feet; a roof of a near by house was ripped off and another house was moved off its foundation.																			
El Centro (Imperial Co.)	19-20	23-01					No Est.		Thunderstorm										
A severe thunderstorm struck parts of Imperial county causing massive power outages and a wide range of damage. Trees were blown down, buildings lost roofs and in some cases collapsing, baled hay was blown apart and minor damage was sustained by the new cantaloupe crop. Reports estimated the wind speed to be near 70 MPH. It was reported that power poles were broken at their bases and nearly 100 poles were reported down.																			

\* 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 this type of data, it is not all-inclusive. Late Reports and corrections will be carried in the June and December issues of this publication.

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