

U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary

WEATHER BUREAU

ROBERT M. WHITE, Chief

STORM DATA

OCTOBER 1964

Volume 6 No. 10



ASHEVILLE: 1964

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1964

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	
ALABAMA									
Evergreen, Conecuh County	h	9:30a	?	?	0	0	3		Tornado
Tornado hit in rural area 6 miles northeast of Evergreen damaging 2 houses and several farm buildings.									
Georgiana, Butler County	h	10:20a	3	100	0	0	h	2	Tornado
Tornado struck first about 2 miles southwest of Georgiana, cutting path through trees, moved northeast across Georgiana City limits and then along Highway 31. Trees uprooted all along path. Several barns destroyed, 2 houses propped, a fertilizer plant and 17 houses damaged. Minor wind damage reported elsewhere in County.									
Eufaula, Barbour County	h	Afternoon	short	narrow	0	3	h		Tornado
Tornado dipped down on Pump Station Road destroying 1 house and injuring 3 persons, moved northward through western portion of Eufaula. Damage to 5 houses, a hospital and a plant.									
Russell and Lee Counties	h	4:00-5:00p			0	0	h	3	Wind
High winds caused scattered damage over Counties. Near Crawford a house trailer was demolished and 5 houses damaged. Trees uprooted and minor damage to a store and church in Lee County.									
Mobile and Baldwin Counties	h	Afternoon and evening			0	0	5	5	Wind, Rain
High winds associated with dying Hurricane Hilda and following cold front caused extensive damage. Winds up to 80 mph in gusts reported with cold front. Scores of piers in Fairhope and the Eastern Shore were destroyed or damaged. Power and telephone lines down, trees uprooted, and windows blown out. Flooding due to high tides and heavy rains. Wind caused 97% of damage and rain 10% of damage to property and crops.									
ALASKA									
Southeastern and Gulf Coast	18-21		600		1	0	4	0	Windstorm
A deepening storm center, moving from the southwest, began to affect the coastal areas of Southeastern Alaska in the vicinity of Prince of Wales Island before midnight on Oct. 17 and the Annette area shortly after midnight on Oct. 18. Gusts at Annette gradually increased during the day, reaching a peak of 75 mph around 2 p.m. The pressure pattern over the open Gulf area appears to have been a somewhat complex low and winds over the open gulf were probably much stronger than indicated from land based reporting sources. Winds, apparently associated with a frontal system, built up rapidly in the Yakutat area just before midnight on Oct. 20 with gusts reaching 60-65 mph.									
A crab boat driven aground on Oct. 21 in the vicinity of Dangerous River cost the life of at least one crew member whose body was found on the beach. One aircraft broke loose from its moorings at the airport and was badly damaged. Several tugs, apparently reacting to the gale warning issued well in advance of the storm, took shelter in Monti Bay.									
Aleutian Chain to Bristol Bay	26-27		1500		0	0	4	0	Windstorm and high tide
A low pressure system, moving from the southwest, began to affect the Shemya area before midnight of Oct. 25. The storm center crossed the western Aleutians and entered the Bristol Bay area by the morning of Oct. 26, but strong winds continued along the entire Aleutian Chain through Oct. 26, with the storm center reaching the coast around 2 p.m. of that date. Strong winds extended up the western Alaska Mainland to Seward Peninsula area and swept across the Alaska Peninsula to reach the Prince William Sound area.									
Wind speeds of 50 to 60 mph were reported over the Bristol Bay area with a peak gust of 75 mph recorded at King Salmon Airport which is the highest ever recorded at that station. These winds were combined with an extremely high tide to produce considerable damage along the shoreline areas of Bristol Bay, particularly in the vicinities of Nushagak and Togiak Bays. Little or no damage resulted from the wind action alone in the immediate King Salmon area.									
Although Cordova's peak gusts at the airport were 63 mph, winds within the city were reliably reported at around 100 mph. Numerous trees were uprooted, power lines were torn down, three trailer homes were blown over, the roof was torn from a warehouse and the new Catholic Church under construction was damaged. The storm resulted in the loss of 60 dogs.									
ARIZONA									
Sunnyslope, Scottsdale, northeast Phoenix	17	early morning			0	0	4	0	Rain
Runoff from heavy rain flooded homes and businesses.									
ARKANSAS									
None reported									
CALIFORNIA									
None reported									
COLORADO									
Denver	10	1:30PM			1	0			Lightning
Lightning struck and killed a 13 year old boy while he was riding his bicycle along a tree-lined residential street in south Denver.									
CONNECTICUT									
None reported									
DELAWARE									
None reported									
FLORIDA									
Ft. Lauderdale Broward Co.	1	9:25 am							Funnel Cloud
Northwest Florida	4 & 5				1	0	7	7	Hurricane HILDA
The remnants of HILDA moved into Florida about 30 miles northwest of Pensacola in the late afternoon of the 4th then continued to diminish in intensity and drift eastward through the western counties and along the Georgia-Florida border before moving into the Atlantic north of Jacksonville late on the 5th. The continuous over land movement from Louisiana greatly reduced the storm intensity before it reached Florida; storm damage in Florida were minor. One person perished in the surf of the Gulf of Mexico near Pensacola on the 4th. Storm winds were strongest in the extreme western counties but diminished markedly as the storm area moved eastward. Winds in gusts and squalls reached as high as 50 mph inland and up to 60 mph along the coast in the Pensacola area. Strongest winds in the Tallahassee area were generally under 30 mph. Storm damage were limited to scattered uprooted trees and broken limbs. Reported storm tides were less than 2 feet above normal and only minor tidal flooding occurred. Storm rainfall in the area west of Tallahassee reached as high as 6 to 8 inches in some localities and these rains did cause some local flooding problems in the area.									
Ferry Taylor Co.	7	4:55 pm			0	0			Funnel Cloud
Ft. Lauderdale Broward Co.	7	5:13 pm							Funnel Cloud
Miami Dade Co.	13	12:35 pm							Funnel Cloud
South Florida	14	Afternoon and Evening			2	50+	7 ⁰	0	Hurricane ISBELL
ISBELL crossed the western tip of Cuba on the 13th, passed between Dry Tortugas and Key West on the morning of the 14th and moved to near Everglades City by 4:00 pm on the 14th. The storm center continued a rapid northward course across southern Florida and exited into the Atlantic in the Jupiter-Juno Beach area around 9:30 pm on the 14th. Highest sustained winds in Florida were near 90 mph in a small area near the storm center along both coasts with the lowest pressure of 28.88 inches at Juno Beach. ISBELL was a small storm and winds diminished rapidly in all directions from the storm center. The duration of strong winds at any one point was short due to the small size and rapid movement. At least 9 and possibly as many as 12 tornadoes occurred in the southern and southeastern counties between Coral Gables and Sau Gallie during the afternoon and evening of the 14th. These tornadoes accounted for all the reported storm injuries and a considerable portion of the property damages in the populated areas. Tidal damages were minor in all areas and were limited to piers, boats and docking facilities. Tides caused some flooding of roads and beaches on the south side of Key West. Vegetable crops in the Everglades agricultural areas over which the storm center passed sustained considerable damage from strong winds and locally intense rains. Two persons perished when a shrimp boat was destroyed near Marquesas Keys. Total damage in Florida was estimated to not exceed \$10 million.									
Carnestown Collier Co.	14	Afternoon	Short	Narrow	0	0	2	0	Tornado
Coral Gables Dade Co.	14	Afternoon	Short	75	0	0	3		Tornado
Ft. Lauderdale Broward Co.	14	Afternoon	Short	Narrow	0	0	4		Tornado
Storm hit Hollywood airport, moved SE to NW, and damaged six private aircraft									
Boca Raton Palm Beach Co.	14	Afternoon	Short	Narrow	0	?	3		Tornado
Several minor injuries reported.									
Delray Beach Palm Beach Co.	14	5:30 pm	Short	Narrow	0	?	5		Tornado
Storm moved north-northwestward through Briny Breezes Trailer Park, damaged numerous house trailers and injured at least 22 persons									
Boynton Beach Palm Beach Co.	14	Late Afternoon	Short	Narrow	0	?	3		Tornado
Storm path toward north-northwest and possibly a continuation of the Delray Beach storm. Several persons injured, none seriously.									

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	
FLORIDA (Cont'd.)									
West Palm Beach Palm Beach Co.	14	6:00 pm	Short	Narrow	0	7	4		Tornado
Storm moved north-northwestward across the intersection of Lake Worth Road and Military Trail and damaged adjacent properties. Several persons injured, none seriously.									
Hobe Sound Martin Co.	14	Late Afternoon	Short	Narrow	0	0	3		Tornado
Storm affected the area near Highway US #1.									
San Gallie Brevard Co.	14	8:20 pm	Short	Narrow	0	7	5		Tornado
Storm hit the Orange Court Trailer Park, injured at least 17 persons, none seriously, and damaged a number of trailers in the park and nearby buildings along the storm path.									
West Palm Beach Palm Beach Co.	30	9:45 am							Funnel Cloud
GEORGIA									
Northeast	3-4				0	0	5	5	Rains
Extremely heavy rains over the northeast mountain counties caused extensive damage to farmland, crops, roads, bridges, fences and farm buildings. Some rainfall totals exceeded 10 inches and caused rapid rises of streams throughout the area. Heaviest damage was in the northern border counties of Rabun, Towns, Union and Fannin, with lesser damage to the south of this area. Several thousand acres of rich flood plain land was flooded and heavily damaged. County roads were washed out in numerous places and at least 30 small bridges were washed away. Main highways were closed and several families were evacuated from flooded homes. Heavy rains also caused flash flooding and mostly minor damage in other areas of the State, including Columbus and Savannah.									
Savannah, 30 miles ESE	5	1 pm							Funnel Cloud
Observed off the SE coast.									
HAWAII			None reported						
IDAHO			None reported						
ILLINOIS			No report received by printing headline						
INDIANA			None reported						
IOWA			None reported						
KANSAS			None reported						
KENTUCKY			None reported						
LOUISIANA									
Southern Louisiana	1-4				15	5000	8	7	Hurricane HILDA
While Hurricane Hilda developed and approached, offshore oil companies batten down or evacuated equipment; more than 2,000 offshore workers came to land. Only one rig, with 14 volunteers, was left manned; they reported winds in excess of 120 m.p.h., both before and after the eye of the storm passed over the rig. About 60 + 70 wells damaged, mostly around 20 or more platforms damaged or destroyed by high wave action; 6 drilling rigs lost. This was one of the most costly storms in Louisiana's oil history. Most persons in low-lying coastal areas evacuated ahead of the storm; some 150,000 people moved inland; a few city officials and Civil Defense personnel remained in the more protected places. On Saturday several tornadoes occurred and are listed separately. About 5:15 p., at Erath, Vermilion Parish, winds caused a filled 40,000-gallon cylinder water tank and 125-ft. support to topple onto the middle of the one-story brick City Hall; 8 dead and 6 injured. The hurricane center crossed the coast between Point au Fer and Marsh Island about 8 p. Sustained winds of 100 to 120 m.p.h. were experienced in the Morgan City-New Iberia-Abbeville area. The eye of the storm moved inland through the Franklin-Baldwin area, passed over Plaquemine, Iberville Parish, Sunday, and turned to the east-northeast. Winds gradually diminished and became less than hurricane force as the storm moved through the Florida Parishes. It passed over Bogalusa about 10 a., and then through coastal Mississippi. Heaviest rains fell to the west and north of the path of the center of the hurricane. Some were record amounts and some flooding was due to rainfall. High water and waves on the Gulf, and also on Lake Pontchartrain, caused other flooding. In many areas the wind and rain combined to do considerable damage to crops. The greatest loss was to sugar cane, cotton, and pecans. Red Cross estimates (including the tornadoes) are: dead, 37; injured or ill, about 5,000; hospitalized, 357. Dwellings affected: over 19,000; almost 2,600 demolished or with major damage.									
Lafourche Parish	3	Before 6:00 a.	?	?	0	0	3	0	Tornado
Golden Meadow tornado damaged several buildings and knocked down utility lines.									
Lafourche Parish	3	6:00 a.	?	?	0	0	4	0	Tornado
Calliano: Tornado reported heading N; 3 or 4 houses knocked off blocks or turned over, boats capsized, no serious injuries; 6 homes and a funeral parlor damaged; power lines knocked down.									
Lafourche Parish	3	6:30 a.	1-1/2	50 to 75	22	165	6	0	Tornado
In the general area of north Larose: A tornado touched down lightly E side Bayou Lafourche, then crossed to W side, dipped, then lifted up, carrying much debris, then descended again destroying or severely damaging homes and automobiles for about one mile along Highway 1, about 3 NW Intracoastal Canal Bridge. Most deaths due to people trapped in their homes as they collapsed; flying debris accounted for other deaths and many injuries. In the worst hit area, everything flattened except shells of 3 or 4 brick houses. Some debris found at Coteau (about 16 miles away, near 3 miles from Houma).									
LOUISIANA (Cont'd.)									
St. Bernard Parish	1-3								Waterspout
Shortly before 9:00 a. Chalmette: waterspout observed over Mississippi River.									
Orleans and Jefferson Parishes	3	9:00 a.-9:20 a.	13	Up to 80	0	5	6	0	Tornado
Tornadoes and funnel clouds reported in metropolitan New Orleans; appeared to be the same one skipping some miles between touchdowns. About 9 a., briefly touched down or hit roof top level several times in French Quarter and nearby; no injuries, scattered buildings and parked automobiles damaged. About 9:10 a., hit Veterans Highway and Causeway area; gasoline stations and other buildings damaged; auto picked up and dropped on its top, truck blown over on side; attendant, servicing car, was picked up and flung into just broken window, cutting leg, 2 other men injured by flying glass. Man 1/2 block away said it looked like waterspout. About 9:18 a., next descended Kenner (Wentwood Subdivision), cut across 3 streets, severely damaged 17 homes; flying glass injured man and his wife. This was the worst hit section.									
Orleans Parish	3	9:30 a.							Funnel cloud aloft
One N Arabi: funnel cloud aloft observed moving from E towards W, dipping out of "low, black clouds", then "picked up into clouds" and disappeared.									
Plaquemine Parish	3	9:40 a.							Funnel cloud aloft
Alvin Callender Naval Air Station reported funnel cloud moving W entered base of cloud.									
Assumption Parish	3	11:10 a.-11:15 a.	1-1/2	100	0	0	4	0	Tornado
Four and one-half W Napoleonville (Attakapas Canal and Oakley area); tornado moved from E towards W, damaged homes, buildings and up-rooted trees.									
St. Bernard Parish	3	12:30 p.-12:31 p.							Waterspout
One-quarter NE radio station WTIX building: funnel touched down in swamp area, creating waterspout about 200 ft. high.									
St. Tammany Parish	4	3:25 a.	?	200	0	0	4	0	Tornado
One and one-half S Madisonville: man, half mile away, said it sounded like "a great big old-timey steam locomotive". Five camps totally destroyed and three partly. Woman reported, "it literally exploded our houses". Pieces of debris were strewn over area three miles long and two miles wide.									
MAINE			None reported						
MARYLAND			None reported						
MASSACHUSETTS									
Southeastern	3	Early AM			0	0	3	0	Wind, rain
Gale force winds snapped trees, limbs, and utility lines in several localities. Locally heavy rain caused washouts on Cape Cod, where thunder also accompanied the storm.									
Coastal	17-18				0	0	0	0	Hurricane Isbell (Remnants of)
The remnants of former Hurricane Isbell brought no damaging winds. Welcome rains of one inch or more fell near the coast. Locally very heavy rain fell on Cape Cod, reaching a total of 3.59 inches at Sandwich and 5.83 inches at Woods Hole, where the storm was accompanied by thunder.									
MICHIGAN			None reported						
MINNESOTA			None reported						
MISSISSIPPI									
Southern Mississippi	1-4				0	17	5	5	Hurricane HILDA
As Hurricane Hilda developed and approached the Louisiana coast, many Mississippi residents in low-lying Gulf shore areas evacuated. While Hilda passed to the west and north of Lake Pontchartrain, and then through the Coastal Division of Mississippi, it produced the heaviest rains of the month in the central and southern parts of Mississippi. There were many flash floodings. Some sections had record or near October record amounts. On Sunday, the intrusion of cold air from the northwest continued to weaken and change the structure of Hilda as it crossed Coastal Mississippi and entered Alabama. The worst damage in Mississippi was caused by strong northerly winds, after the cold front passage, which tore down signs, trees, power lines, and contributed to the crop damage. Crops most affected were corn, cotton, and pecans. At 6:24 p., high winds at Moss Point toppled the 200-ft. tower of Radio Station WMPM and uprooted numerous trees. Over the state, the heaviest losses were suffered by the 30,000 telephones were knocked out, either by Hilda or the rains accompanying it; widespread damage to power lines from falling trees and limbs. The most serious power shortages occurred in Amite, Pike, and Walthall Counties. The Red Cross estimated that losses were sustained by 234 families.									
Pearl River County	3	3:20 p.	?	?	0	0	4	0	Tornado
Poplarville 8 WSA: tornado moving NE dipped down in White Sand Community, demolished small house and barn, then lifted to dip down in Dupont Community (3 1/2 Poplarville), and flatten barn and pump house.									
Pearl River County	3	Afternoon							Funnel clouds aloft
Two funnel clouds observed, in upper end of county, remained aloft.									
Smith County	4	1:05 p.							Funnel cloud aloft
Funnel cloud aloft reported at Taylorsville; roaring sound heard.									

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
MISSOURI											
Ava, Douglas County	27	7:30 pm									Hail
			The Highway Patrol reported golf ball size hail covering ground.								
MONTANA											
Northest Corner McCone County	3	12 P	4	6	0	0	0	0	4		High wind
			Fire caused by arcing power lines blown together by high winds set fire to very dry range grass. Before being controlled, 10 - 12,000 acres of grain and range land were burned over. A number of hay stacks were destroyed. The fire reached into northwestern Richland County.								
NEBRASKA											
			None reported								
NEVADA											
			None reported								
NEW HAMPSHIRE											
			None reported								
NEW JERSEY											
			None reported								
NEW MEXICO											
			None reported								
NEW YORK											
			None reported								
NORTH CAROLINA											
Statewide	9/29-10/5				2	10	7	7			Rain
			Rain fell daily over most of North Carolina during this period, with extremely heavy amounts in some areas around September 29 and October 4. Totals for the period ranged from three to 35 inches, with some 24-hour totals in excess of ten inches. Flash-flooding occurred on most small streams in the State, and some of the highest floods in history on the major rivers. Two persons were drowned in separate instances of automobiles being swept off the road by flood waters. Damage occurred in vulnerable portions of all general areas of the State, but was greatest in the southern mountains and in the Neuse River Basin. Flood waters entered an estimated 2000 homes and business buildings, necessitating the evacuation of about 5000 persons. Serious damage occurred to homes, crops, livestock, public buildings, business buildings, highways, bridges, streets, storm sewers, water facilities, home furnishings, vehicles and merchandise. Pollution of water systems necessitated special health measures. Soil erosion was tremendous.								
Martin, Tyrrell, and Washington Counties	4	3:30-4:30 p.m.	60	50	0	1	5	3			Tornado or tornadoes
			Storm hit several communities on a west-to-east path about 60 miles long. Movement when reported was southwest to northeast, hence there may have been more than one tornado. Times not precisely reported, but apparently struck near Williamston, Martin County, before 4 pm; Cherry, Washington County, about 4 pm; Alligator, Tyrrell County, about 4:30 pm. At least five homes and several outbuildings destroyed or badly damaged. Heavy machinery carried some distance.								
Bladen, Columbus, and Fender Counties	4	6:15-8 pm	60	50	0	1	5	3			Tornado
			Moved northeastward, striking near Fair Bluff, Cerro Gordo, Whiteville, Clarkton and Fenderla. Destroyed or damaged five homes, two warehouses, several tobacco barns and other outbuildings; completely demolished a house trailer. Funnel seen and typical sound heard.								
Coast and scattered inland areas	16-17				0	0	5	5			Hurricane Isbell
			Indefinite storm center entered coast near Morehead City, passed a considerable distance inland, then out to sea again near Elizabeth City. Highest wind gusts recorded at Elizabeth City, 75 miles per hour. Cabin cruiser sunk near Morehead City. Some minor wind damage as far inland as Ahoskie, Hertford County, but no heavy structural damage. Heavy rains some areas reduced value of mature crops in fields, and caused minor flooding of rivers and streams.								
NORTH DAKOTA											
			None reported								
OHIO											
			None reported								
OKLAHOMA											
Fillman and Cotton Counties	11, 12	8:00p.-9:30p., 11th; 7:15p.-9:45p., 12th			0	0	4	3			Hail
			Severe hailstorms moved southeastward across both counties. Hail averaging 1/2- to 3/4-inch size and large up to 1-inch size covered the ground in places along a 5- by 10-mile path in the Hollister-Leveland area. Some roofs and crops damaged. Heaviest hail damage occurred within a 20- by 30-mile area centered over Walters where 1/2-inch size hail and some up to 1-inch size damaged flat-roof buildings and some crops. Hail fell up to 30 minutes in some areas. Similar spotty hailstorms occurred over the same communities on the evening of the 12th, but moved along southerly paths and generally lasted up to 15 minutes.								
OKLAHOMA (Cont'd.)											
Grant and Kay Counties	25-26	2:00a.-25th - 5:30a.-26th			0	0	0	4			Rain
			Intermittent rainshowers over the area became most intense during the afternoon and evening of the 25th. Storm totals varied from 3.00 inches at Ponca City to 3.63 inches at Blackwell and up to 4.00 inches at Jefferson. Heaviest rains fell in the Moran area where unofficial amounts of 5.5 inches caused winter wheat damage of 5 bushels to the acre and some fields will have to be replanted.								
OREGON											
			None reported								
PACIFIC AREA											
			None reported								
PENNSYLVANIA											
			None reported								
PUERTO RICO											
			No report received by printing deadline								
RHODE ISLAND¹											
			None reported								
SOUTH CAROLINA											
South Carolina	1-6				1	0	6	6			Rainstorm
			Tropical Storm Hilda caused a synoptic low pressure alignment near northern Florida, which brought heavy to excessive rains to South Carolina on the 4th to the 6th. While damage from wind and tide was minor, the rains caused some rather heavy damage from flooding. The earliest rainstorm effects were felt in Oconee, Pickens, Greenville and Spartanburg Counties on the 4th and 5th, where rainfall in the mountains was reported in excess of 10 inches. Here, flash flooding from heavy rains on the Keowee and upper Saluda Rivers and the western tributaries of the Broad River caused substantial loss to livestock to crops, to roads, and bridges. Several small dams burst and there were a number of landslides, one of which was responsible for a fatality. Flash floods and stream flooding were responsible for damage to roads, farmlands and residences from rains on the 5th, in Dillon, Florence, Marion, Williamsburg and Richland Counties, especially near Columbia in Richland County and near Lake View in Dillon County.								
South Carolina	15-16				0	0	0	5			Rainstorm
			Hurricane Isbell moved in a northerly to northeasterly course some 175 to 225 miles off the South Carolina Coast. There appeared to be little or no wind and tide damage. But, heavy rains, which in many instances exceeded 5 inches in 24 hours, caused major flooding in the streams which apparently inflicted some damage to crops.								
SOUTH DAKOTA											
			None reported								
TENNESSEE											
Eastern Counties	16-17				0	0	?	?			Hurricane Isbell
			While centered over the Carolinas, Hurricane Isbell caused heavy showers over the eastern parts of the State. Record 24-hour rainfall amounts, flooded streets and basements. Property damage confined primarily to lowlands surrounding creeks and rivers.								
TEXAS											
SE Sanford Hutchinson Co.	24	4:27 p-4:30 p									Funnel aloft
			Rain and one-half inch hail accompanied the storm which moved from northwest to southeast.								
Lubbock Lubbock Co.	24	7:50 p	?	?	0	0	?	?			Hail
			Hail covered the ground in Lubbock an inch deep. Largest hailstones were one and one-half inches in diameter. Smaller sized hail covered the surface at Slaton in southeast Lubbock County.								
1 W Lakeside Village Bosque Co.	25	night			0	0	?	0			Lightning
			Lightning struck the H. L. Downey home one mile west of Lakeside Village starting a fire which destroyed the home.								
Lackland AFB Bexar Co.	26	night	**200	100	0	0	0	0			Tornado
			A small tornado struck the carbine practice range at Lackland AFB and damaged another adjacent range, uprooting concrete posts and destroying the range roof. Damage was estimated at \$10,000. The tornado moved from west to east.								
UTAH											
Tooele, Salt Lake and Utah counties	29	5:00p-6:30p			0	0	1	3			Wind
			A heavy windstorm accompanying a rapidly moving storm front hit the northwestern portion of the state during the late afternoon. Winds of 46 miles per hour were measured at the Salt Lake City airport and over 60 miles per hour at Brigham Young University in Provo. The operator at the Provo airport estimated velocities at over 70 miles per hour. A house trailer was blown over near Bonneville which in turn caused the towtruck to jackknife and turn over. Near Spanish Fork over three thousand dollars damage was done to farm buildings. Greatest damage was in central Utah county where a large packing shed was destroyed at a loss of over 15,000 dollars and broken power lines ignited a 15 acre fruit orchard seriously damaging the trees. Over 10,000 dollars damage was done to a large corrugated steel building of the								

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					KILLED	INJURED	PROPERTY	CROPS	
UTAH (Cont'd.)									
			Geneva pipe company. At the Provo airport a large hanger was destroyed and doors and roofs of adjoining hangers ripped off. In addition three moored aircraft were seriously damaged.						
VERMONT			None reported						
U.S. VIRGIN IS.			No report received by printing deadline						
VIRGINIA			None reported						
WASHINGTON			No report received by printing deadline						
WEST VIRGINIA									
Bethlehem, suburb of Wheeling	29	2:00 a.m.			0	0	3	0	Lightning
WISCONSIN			None reported						
WYOMING			None reported						

^o Includes crop damage.

C Crop damage.

** 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 \$5,000,000
- 7 \$5,000,000 to \$50,000,000
- 8 \$50,000,000 to \$500,000,000
- 9 \$500,000,000 to \$5,000,000,000.

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. Delayed data and corrections will be carried in the June and December issues of this publication.

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