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BOULDER, COLORADO ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

STORM DATA

JANUARY 1966

Volume 8 No. 1



ASHEVILLE: 1966

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STORM DATA AND UNUSUAL WEATHER PHENOMENA

ALABAMA							ARIZONA							ARIZONA (continued)																	
PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (MILES)	NO. OF PERSONS INJURED	ESTIMATED DAMAGE	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (MILES)	NO. OF PERSONS INJURED	ESTIMATED DAMAGE	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (MILES)	NO. OF PERSONS INJURED	ESTIMATED DAMAGE	CHARACTER OF STORM								
Alabama	23	1630			0	0	2	3	1/4 to 1" hail	Arizona						Colorado (continued)															
Central, Alabama										None reported						the same areas mobile home and a truck trailer were blown off the highway and demolished. At least 20 people in the Boulder area received slight to serious injuries from flying debris, or from being blown into obstructions.															
Arizona										None reported						Power lines and trees were snapped over a wide area. Damage was relatively light in the Denver area, and in Loveland and Longmont. Many windows were broken in the Arvada area, northeast of Denver, and in the Englewood-Littleton area, south of Denver. A 27 year old fire lookout tower on Mount Morrison, west of Denver, was blown away, and several radio relay towers at that location were blown down. At Fort Collins gusts measured to 75 mph, at 2:15 am, caused scattered mostly minor damage. At Estes Park a garage roof was blown off and a house damaged. Elsewhere minor damage. Scattered damage occurred in the Pikes Peak area. Trucks were overturned near Georgetown and between Saline and Buena Vista. Mobile homes were overturned or damaged in several areas, with occupants receiving injuries in some cases.															
Southwest half of State	late 22nd									Winds from the southwest and west to Chihuahua and Greenlee Counties in the southwest and west to Chihuahua and Greenlee Counties in the northeast.						Western Slope	25-29				1	3	Snow								
Russellville, Hector and Altuda-Pope County	23	12:30 a.								Winds from the southwest and west to Chihuahua and Greenlee Counties in the southwest and west to Chihuahua and Greenlee Counties in the northeast.						Unusually heavy snow blocked roads and caused avalanches in several areas. A woman and instructor caught by a snow slide at Loveland Ski Basin was rescued after rescue by fellow skiers. The town of Silverton in the San Juan Mountains was isolated for several days when all access roads were blocked. Several houses were buried by a snow slide on the 29th in the mountain town of Redfish in Lake County. Damage was minor.															
Paragould - Greene County	23	3:00 a.								Winds from the southwest and west to Chihuahua and Greenlee Counties in the southwest and west to Chihuahua and Greenlee Counties in the northeast.						Eastern Slopes of Mountains	31	4-10a					Wind								
California										Two barns demolished about 8 miles southwest of Paragould. A house trailer overturned in the same area.						High winds caused widely scattered damage, but were much less severe and extensive than earlier in the month. Wind gusts to 40 mph were reported in the Boulder area, causing scattered damage. Schools were closed because of earlier fire flying debris. At the Air Force Academy, near Colorado Springs, the field house lost part of its roof, and windows in about 100 cars in a parking lot were broken.															
Freese	4	12:33 pm			0	0	0	0		Personnel at Chandler Field tower reported a funnel cloud west of Freese.						Connecticut	23	12:29-11 AM						Class							
Freese LO EE	4	4:12 pm			0	0	0	0		Pilot reported a funnel cloud about 40 miles southeast of Freese.						Storm began as snow on 27th but changed to freezing rain late in day. Change to rain moved slowly northward to reach East by the 1st. In the northeast, the change to freezing rain occurred later, on the 30th, and continued into the 31st. For accumulation on trees and power lines was heavy. Damage to trees was moderate. Many accidents with one death and several injuries occurred on glazed highways. Many schools closed on 30th.															
Northwestern Calif.	11				0	0	0	0		Heavy rains resulted in local flooding on the El, San Duen, and Russian Rivers. Interstate 5 was closed by snow near the Oregon border. Power failures were caused by rain and wind.						Delaware	23	12:29-11 AM						Class							
West of California	16-21				15	30	0	0		Heavy rain widespread, heavy rains caused major property damage and considerable loss of life. An estimated \$25,000,000 damage occurred in 7 counties adjoining the Los Angeles area, and major damage also occurred in the San Joaquin and Salinas Valleys. The U. S. Corps of Engineers estimates damage in the Central Valley at approximately \$10,000,000. At least 15 deaths are directly attributable to the storm; 20 drowned, 10 were buried in mud slides, and 3 were awning pressed buried, 2 died of heart attacks while fighting mud, and 4 were crushed by falling trees. In addition, several persons died in traffic accidents. During the storm at least 11 major streams were in flood. Hundreds of homes were damaged or destroyed by mud slides, and several bridges were washed out. A number of principal highways and some railroads were closed for varying periods of time by flooding or mud slides, and utilities were disrupted in many areas. Several sewage disposal plants were damaged or destroyed. At least 5,000 persons were evacuated to safety. There was wind damage to animals and boats in several areas. Sherman Island, a salt-producing agricultural area in excess of 10,000 acres, was covered up to 10 feet of water when a section of the dike gave way. The passage of ocean waves to inland ports was curtailed for several days as a protection to other storm-weakened dikes in the delta.																					
Hazardsfield N. E.	20	4:15 pm			0	0	0	0		Personnel at Hazardsfield Airport tower reported a funnel cloud 22 miles west of Hazardsfield and moving eastward.						Florida	4	12:30p						Thunderstorm							
Colorado Eastern Slopes of Mountains	20-24				2	25	6			Extremely strong and turbulent winds, apparently associated with the formation of ice waves by passage of strong upper level winds over the mountains, caused light to severe damage along the front range of the mountains. Scattered damage was reported from Vail to Fort Collins, and westward into the mountains. The heaviest property damage occurred in the Boulder area.																					
Colorado Eastern Slopes of Mountains	20-24				2	25	6			At an exposed table mountain location at the National Center for Atmospheric Research, just north of Boulder, wind gusts in excess of 100 mph were measured at frequent intervals from 6 to 9 am, and sixty winds of 40 mph or higher until 11 pm. Peak values were estimated at 137 mph at about 6 and 8:10 am. A peak gust of 90 mph was measured at a more sheltered location in Boulder. The weather airport anemometer blew away after registering 60 mph wind gusts. Peak gusts at the Denver Airport were 50 mph at 7:10 pm and 62 mph at 8:27 am. The winds were generally from northwesterly directions.																					
Colorado Eastern Slopes of Mountains	20-24				2	25	6			About 25 homes in an area south of Boulder had roofs blown off or severely damaged. Mobile homes were blown off. Buildings housing scientific laboratories and offices of the Environmental Science Service Administration in Boulder, and installations at several scientific research sites near Boulder received heavy damage. Light aircraft planes were destroyed and several others damaged at the Boulder Airport. Several planes were heavily damaged at the Jefferson County Airport, between Boulder and Denver. Grass fires driven by the high winds extinguished several areas, but were controlled by volunteer firemen. One man died from injuries received when he was blown from a fire truck. One man was killed and another injured when the truck camper in which they were riding was blown off the Interstate Highway about 10 miles north of Denver. In																					

STORM DATA AND UNUSUAL WEATHER PHENOMENA

MARCH 1965

STATE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (STADS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (STADS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	WOUNDED	PROPERTY	CROPS								KILLED	WOUNDED	PROPERTY	CROPS		
AL	23	Afternoon and Evening			1	7	0	0	0	Wind, Rain	Georgia	23	Light			0	0	3	0	0	Wildstorms
	<p>A deep low pressure system moved northward through Alabama Sunday afternoon and evening, March 23rd. Sustained gradient winds in excess of 35 mph were common. Downed trees and power line damage was widespread. High tides closed highways in the Mobile area. Several boats capsized in Mobile Bay with no loss of life. Numerous lines of thunderstorms with gusts of 50 mph occurred over most of the state. Heavy rains caused flash flooding in many areas. Many auto accidents due to slippery rains, and some. Most overflown on the Tombigbee River in Butler County resulting in one death. Damage by wind 90% of total, rain 10%.</p>										<p>Strong winds that moved through the State caused a wide area of a frontal system caused damage over nearly all counties. Several houses were reported in the Murray-Clarke County area in the northwest but damage was reported in at least 10 counties scattered from the northern border to the coast. Numerous buildings were reported or damaged to some extent and a large number of mobile homes were moved from their foundations. Many communities reported plate glass windows blown out and 100's of trees were uprooted. Several large houses were destroyed in north Georgia and 100's of chickens were lost. Winds reached 60 mph in the Atlanta area and were probably stronger in some parts of the State. There were many reports of electrical service interruptions.</p>										
HI										None reported	Hawaii										
	<p>None reported</p>										<p>None reported</p>										
ID										None reported	Idaho										
	<p>None reported</p>										<p>6-11 All clear. 0 0 7 1 Snow, wind and cold</p> <p>Snowfall of 4 to 5 inches occurred across this county on the 6th, was followed by brisk northerly winds through the 10th which eroded and blocked county roads. Snow also blocked Interstate 15 from north of Dubois to the Idaho-Montana line. This late in the season snow almost unheard of (2 or 3 days) and subsequent daily temperatures were colder on the 11th when morning lows ranged from 10° to 23° below zero at elevations above 8100 feet.</p>										
IA										None reported	Iowa										
	<p>None reported</p>										<p>22- 5:00 p. 0 4 8 0 Wind</p> <p>23- 5:00 p.</p> <p>Strong, gusty winds accompanied the southward movement of a cold front across Iowa by midnight. The westerly post-frontal winds generally varied between 240° and 320° and blew at speeds of 25 to 40 m.p.h. Peak gusts were recorded as follows: Mason 55 m.p.h.; Leeward 48; 47 m.p.h. at 2:18 p.m.; Boies 48; 44 m.p.h. at 3:14 p.m.; Burley 55, 47 m.p.h. at 10:00 p.m.; 38 m.p.h. at 11:00 p.m. and gusts of 44 to 48 m.p.h. observed between midnight and 7:00 a.m. Twin Falls City-County Airport, 36 m.p.h.; Pocatello 35; 35 m.p.h. at 10:11 p.m.; and Idaho Falls 35, 35 m.p.h. at 11:00 p.m. Blowing dust from fields adjacent to S.R. 45 near Malta, Canyon County reduced visibility to near zero and contributed to two rear-end collisions and several cars driven into narrow gullies. Scattered wind damage was also reported in the Burley, Gooding and Twin Falls areas. Four children riding in the back of a wagon were injured on the afternoon of the 23rd, when the wagon blew off the back of a pickup traveling east along Interstate near the Blackfoot overpass, about 3 miles west of Burley.</p>										
IL										None reported	Illinois										
	<p>None reported</p>										<p>None reported</p>										
IN										None reported	Indiana										
	<p>None reported</p>										<p>None reported</p>										
IA										None reported	Iowa										
	<p>None reported</p>										<p>None reported</p>										
KS										None reported	Kansas										
	<p>None reported</p>										<p>None reported</p>										
MO										None reported	Missouri										
	<p>None reported</p>										<p>None reported</p>										
NE										None reported	Nebraska										
	<p>None reported</p>										<p>None reported</p>										
OK										None reported	Oklahoma										
	<p>None reported</p>										<p>None reported</p>										
TN										None reported	Tennessee										
	<p>None reported</p>										<p>None reported</p>										
TX										None reported	Texas										
	<p>None reported</p>										<p>None reported</p>										
VA										None reported	Virginia										
	<p>None reported</p>										<p>None reported</p>										
WV										None reported	West Virginia										
	<p>None reported</p>										<p>None reported</p>										
KY										None reported	Kentucky										
	<p>None reported</p>										<p>None reported</p>										
LA										None reported	Louisiana										
	<p>None reported</p>										<p>None reported</p>										

Source: Bureau of Weather and Climate, U.S. Department of Commerce.

