

U. S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary
WEATHER BUREAU
ROBERT M. WHITE, Chief

STORM DATA

OCTOBER 1963

Volume 5 No. 10



ASHEVILLE: 1963

STORM DATA AND UNUSUAL WEATHER PHENOMENA

OCTOBER 1963

PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM				
					KILLED	INJURED	PROPERTY	CROPS								KILLED	INJURED	PROPERTY	CROPS						
ALABAMA			None reported								INDIANA			None reported											
ALASKA		No report received by printing deadline										IOWA													
ARIZONA										Lansing	12	3:00 a									4	Lightning			
Phoenix and Scottsdale	18	Late evening			0	0	4	0		Rain and wind	Clarinda	17	3:30 p								5	5	Hailstorm		
		A heavy rainstorm hit the Phoenix area late in the evening of the 18th and continued into the early morning hours of the 19th. Wind damaged homes and felled trees. Floodwaters invaded homes and damaged furnishings in Phoenix and caused considerable damage to roads in Scottsdale.										NW of Guthrie Center	17	3:30 p								5	5	Hailstorm	
ARKANSAS		No report received by printing deadline										Hail diameter about 1 1/2". Piled in drifts to 2 ft. deep.	New Hampton	21	11:00 p						1			Lightning	
CALIFORNIA											KANSAS														
DOS PALOS	4				0	0	4	0		Lighting	Saline County	15	7:30 p.										Hail		
Central California	11				0	0	3	3		Rain and Wind	During a short thunderstorm, hailstones up to 1/2 inch in diameter fell in and near Salina.														
Southern California	17-18				8		4	6		Rain and Lighting	Sublette County	15	8:25 p.-8:30 p.										Hail and wind		
		Drying raisins and ripening dates suffered further damage also cantaloupes and newplanted vegetable crops. Heavy loss to cotton due to expected downgrading. Localized flooding of stores homes and highways with roads and streets washed out, some landsliding. Home damaged by falling rock. Eight auto deaths attributed to rain slick highways. Utilities and communications disrupted.										Crops in the northwest part of county were damaged up to 50% by variously sized hailstones driven by high winds. Some stones were larger than golf balls.													
San Diego County	19				0	0	5	4		Rain and Lighting	Gray County	15											Hail		
		Desert roads were flooded or washed out, traffic interrupted by slides, water entered stores and homes, power lines knocked out. Heavy damage to vegetable crops and melons.										A small area 20 miles north of Cimarron had brief but heavy hail with no damage reported.													
BAKERSFIELD 105E	16									Funnel cloud sighted.	Beno and Rice Counties	15	Night										Hail, electrical, and wind		
COLORADO											A rather severe thunderstorm over northern Beno and southern Rice counties resulted in spotty hail damages, numerous minor fires from lightning strikes and some wind damages.														
Yuma County	20	4:30PM			0	0	0	0		Tornado	Dickinson County	15	9:10 p.										Winds		
		A small tornado was sighted in northern Yuma County, touching ground in the Hages community. It traveled 2 or 3 miles in a southeasterly direction across fields and dissipated into overhanging clouds. No damage was reported.										Tree and power line damage was reported as a result of high winds during a brief thunderstorm.													
CONNECTICUT					None reported						Seward County	16	4:35 p.-6:00 p.										Hail and heavy rains		
DELAWARE					None reported																				
FLORIDA											Beno County	16	8:30 p.-10:00 p.											Hail and heavy rain	
Fort Lauderdale Broward Co.	2	8:40 am			0	0				Funnel Cloud	Crops, gardens and trees were badly riddled by a pounding hail of small stones in and near Buhler. Drifts of hail remained till the next morning. Following a heavy rain of 2 days before, the 4 additional inches with the hail caused much local flooding.														
Miami Dade Co.	11	9:13 am			0	0				Funnel Cloud	North Central Counties	17-18	Afternoon and night											Electrical and hail	
Hillsborough Inlet Broward Co.	11	1:18 pm			0	0				Waterspout	Numerous lightning strikes during the afternoon and well into the night caused the loss by fires of a number of houses and barns over Ottawa and Glouk counties. Small hail was reported at Salina, Miles, Minneapolis and Hucher.														
Fort Lauderdale Broward Co.	11	1:20 pm			0	0				Waterspout	Eastern Jefferson County	17	9:45 p.											Hail	
Melbourne Brevard Co.	14	8:09 am			0	0				Waterspout	Small hailstones 1/2 to 3/4 inch in diameter fell at McLouth. Winds were estimated near 60 mph; some window damage.														
Jacksonville Beach Duval Co.	16	5:25 pm			0	0				Waterspout	Harber County	20	6:22 p.											Tornado	
Key West Monroe Co.	18	5:00 pm			0	0				Funnel Cloud	A tornado was reported on the ground about 68 miles southwest of Hutchinson near Lake City.														
GEORGIA											Rice County	20	6:45 p.											Tornado	
Savannah Beach	24-25				0	0	4	0		Hurricane Ginny	A tornado was observed on the ground near Lyons by police.														
		Rough seas associated with Hurricane Ginny caused considerable beach erosion in the Savannah Beach Area as the storm moved northward off the Georgia coast.										North Central Kansas	27	Early morning											Electrical
HAWAII					None reported						KENTUCKY														
IDARO											Woodford County, Versailles area	11	Night											Lightning	
Glenns Ferry (near)	4	Noon					1			Lightning	Fire set by lightning destroyed a tobacco barn containing tobacco and farm equipment. A witness said that "a ball of lightning about the size of a softball hit the barn. About three minutes later the barn was completely on fire."														
Pocatello	5	7 to 7:30 a.						4		Wind	Scott County, Georgetown area	27	9:30 a.											Lightning	
		Gusts up to 45 m.p.h. blew down laminated roof beams in church under construction, broke plate glass window in office building, felled tree limbs, and caused power outages over wide area.										Lightning caused heavy damage to a home. Apparently the lightning struck the television antenna and went down the wiring into the house. Of the 15 windows in the house all but one were shattered. Additional damage to the house and contents was varied and extensive.													
ILLINOIS					None reported																				

See reference notes at end of table.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

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PLACE	DATE	TIME	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INJURED	PROPERTY	CROPS		
LOUISIANA State		Month							Dry spell	
		Locations in each division had no October rain. Dry spell aided maturing and harvesting of field crops but reduced sucrose and purity in sugar cane, and sweet potatoes, due to dry soil, received considerable statewide skinning and bruising; some south-central area farmers stopped digging, also in that area the cucumber beetle population did heavy damage. Soil moisture short over state; ground-water levels low; first time many water wells were becoming dry. Stream pollution increased due to extremely low water flows; more reports of salt water intrusion in coastal portion southeast division. Milk production reduced, and beef cattle marketed earlier than planned due to dry pastures and drying ponds; heavy intestinal parasite infection resulted from close grazing; supplemental feeding used in many cases to maintain cattle. Unable to plant winter grazing crops; fall and winter pastures getting critical, especially in northwest and Florida parishes. Foresters reported woodlands and forests dry with extreme fire hazard. Tangipahoa Parish requested drought disaster area designation.								
MAINE State	3	P.M.			0	0	4	0	Electrical, wind, hail	
		Series of two thunderstorms swept much of state in late afternoon and evening. Accompanying wind squalls caused minor damages in widespread areas. Some buildings struck by lightning. Hail fell in places, with 3/8 inch size stones at Skowhegan.								
State	8	Very early AM			0	0	4	0	Electrical, hail	
		Scattered minor lightning damage, with major loss at Pittsfield where barn and contents were lost by lightning fire.								
State	29-30				0	0	5	0	Hurricane Ginny	
		The hurricane center's nearest approach was about 75 miles from Eastport, as it entered Nova Scotia near Yarmouth at about 4 P.M. on the 29th, on a northerly course. Resulting northerly winds of damaging force were felt most seriously along the coast east of Portland and over eastern Maine. Some of the most violent destruction resulted from a secondary small scale low pressure center which may have spawned a tornado. This was first encountered by vessels about 18 miles east-southeast of Portland Lightship, on about 200 miles from Ginny's center. Winds in excess of 100 m.p.h. were measured by a Coast Guard vessel, which also noted a sudden, sharp drop in air pressure to 29.98 inches. Next a barograph at East Boothbay recorded a short-period drop and recovery of air pressure of nearly one-quarter inch of mercury, with 29.05 inches minimum. Nearby, at Wiscasset a garage was demolished, possibly by a tornado. Other barns and sheds were blown down in southern Maine and the Calais Post Office roof damaged. Many boats all along the coast were torn loose and damaged and fishing gear destroyed. Many trees were toppled and utility lines broken. Heavy, wet snow added to the force of wind in felling trees and utility lines, especially in more northern sections. Though most precipitation from the storm occurred as rain in coastal areas, up to one inch of snow occurred even there. Snowfall increased rapidly northward with generally nearly a foot in Aroostook Co. where hundreds of cars were stranded and up to 18 inches fell at Grassus Dam. Rangers reported up to four feet on Mt. Katahdin, where two persons were lost and one presumed dead. A third death, also only indirectly attributable to the storm, occurred at Bernard, by heart attack while the victim tried to rescue a capsized boat. On the beneficial side, Ginny ended the serious October drought, which had caused extreme fire danger in the forests, and replenished water supplies. Some hail was reported, at Belfast, Ellsworth, Houlton, Jonesboro, Presque Isle, and Waterville.								
MARYLAND West Side of Chesapeake Bay	3	Morning & Afternoon	?	?	0	0	3	?	Thunderstorms with hail and high winds	
		Thunderstorms, associated with fast moving cold front, passed over State. Belt of hail, ranging in size from pea to marble, extended mainly from Hayre de Grace to just south of Cove Point. Coast Guard Station at Cove Point reported winds up to 30 mph and hail to depth of 1/2 inch with drifts up to 1 foot along sea wall in 20-minute storm. Trees were blown down and some buildings damaged. Unofficial measurements of rainfall at Cove Point give amounts from 1.1 to 1.4 inches for this storm. Elsewhere in state trees were reported down, utility lines broken and a section of the framework of new structure at Hagerstown toppled.								
MASSACHUSETTS State	3	P.M.			0	0	4	0	Electrical, wind, hail	
		Thunderstorms, two at many places, occurred in afternoon and evening. Accompanying lightning damaged homes and utilities in several communities, including Haverhill and Newbury. Winds toppled trees at Adams and caused minor damage elsewhere. Hail, about pea-sized, was reported in Adams, Fitchburg, and Princeton.								
Cheshire	3	About 3:20 P.M.	3	Very narrow	0	0	3	0	Tornado	
		A weak tornado, resembling a severe dust-devil, lifted a garage, damaged homes, and toppled a large tree. Windows blown out.								
MASSACHUSETTS (Cont'd) Coastal, especially Cape Cod and Nantucket	29				0	0	5	0	Hurricane Ginny	
		The hurricane center's nearest approach was about 125 miles south-east of Nantucket, at about 4 A.M. However damaging gales affected Nantucket and eastern Massachusetts, especially Cape Cod. The strongest winds recorded were a fastest mile at 85 m.p.h. with gusts to 76 m.p.h. and at Provincetown gusts to 82 m.p.h. A number of trees were toppled, some falling on utility lines. In one case, at Chatham, power for 1000 homes was disrupted. At Lowell a tree fell into an auto. Many boats were torn from moorings all along the coast. Direct wind damage to structures included loosening of shingles and skylights, broken windows, a 15-foot roof section blown away, and two small buildings dislodged from their foundations. Tides were driven by the wind to abnormal heights, with the greatest effect on the northern shore of Cape Cod. However, the water rose only enough to flood the most susceptible lowlands, without excessive damage from this cause. Welcome rain fell on the entire state but amounts in excess of 1 inch were recorded only from eastern Worcester County eastward. Amounts ranged up to about 2 inches on the coast with a few Cape stations and Nantucket receiving more. A few cellars were flooded in coastal areas. The above totals include rainfall on the 28th as the hurricane approached, and small amounts continuing into the 30th. Advent of colder air as Ginny receded brought traces of snow to nearly the entire state late on the 29th or early on the 30th, with some measurable amounts in eastern portions. Some of Plymouth County received one inch or more. Thunder was heard at Brockton early on the 29th.								
MICHIGAN Entire Lower Peninsula	2	5:00 p.m. 11:00p.					5		Thunderstorms with high winds	
		High winds estimated up to 70 miles per hour spread varied heavy damage throughout the entire area. Numerous house trailers upset and damaged. Hundreds of trees were toppled with resultant damage to homes, buildings and cars. Heavy window breakage reported due to high winds, numerous barns and buildings suffered wind damage. Drive-in Theater near Grand Haven was demolished by high winds. Power service disrupted to hundreds of homes. Car ferry at Ludington torn loose from moorings due to high winds damaged dock seriously.								
Traverse City	2	7:41 p.							Waterspouts	
		Three waterspouts sighted 17 miles northwest Traverse City.								
Reed City	2	7:50 p.							Funnels aloft	
		Five funnels aloft sighted vicinity of Reed City area.								
Hersey	2	8:05 p. (?)	(?)	(?)	0	0	4		Tornado	
		Tornado destroyed large farm barn and house trailer on E. Young farm. Several trees were toppled and 2 cars were damaged also. Neighbor reported hearing loud roaring noise. Hersey is located few miles southeast of Reed City.								
Calumet	28	9:00 a.							Waterspout	
		Waterspout sighted 30 miles northwest of Calumet.								
Elk Rapids	28	10:43 a.							Waterspout	
		Waterspout sighted over east arm Grand Traverse Bay.								
Traverse City	28	11:19 a.							Hail	
		Golf ball size hail reported 20 miles east Traverse City.								
Traverse City	28	11:30 a.							Waterspout	
		Ship on Lake Michigan sighted waterspout 25 miles north of Traverse City.								
Atwood	28	1b50 a.							Funnels aloft	
		Funnels aloft reported vicinity of Atwood and Ellsworth.								
Cadillac	28	12:27 a.							Funnel aloft	
		Funnel aloft sighted 10 miles northeast of Cadillac moving eastward.								
Oscoda	28	5:05 p.							Funnel aloft	
		Air Force reported funnel aloft 20 miles north Oscoda.								
Alpena	28	5:20 p.							Waterspout	
		Waterspout reported 20 miles east southeast of Alpena over the water.								
MINNESOTA Bird Island 66E, Renville County	21	4:30 p.	Short	Narrow	0	0	3	0	Tornado	
		Tornado, moving northeast, touched down briefly demolishing a farmer's machine shed without damaging the machinery. Funnel cloud observed by a neighbor.								
Litchfield, Neeker County	21	5:45 p.	**300	50	0	0	4	0	Tornado	
		Tornado, moving northeast, touched down briefly one half mile								

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					KILLED	INJURED	PROPERTY	CROPS	
MINNESOTA (Cont'd) Litchfield, Meeker County (Cont'd)									east of Litchfield damaging a 100-by-80 foot fabricated steel building housing a machine works. Funnel cloud observed by several individuals. The tornado occurrences on October 21 were the fourth latest date of record a tornado has been observed and reported in Minnesota. The latest date of record was November 16, 1938 at Maple Plain 1 SE.
MISSISSIPPI State		Month							Dry spell Locations in each division had no measurable October rain. Dry spell aided harvesting of crops but damaged winter pastures and crops considerably. Soil moisture very short over state and ground water levels have declined. Minimum flows of record reported for Southern Mississippi streams. Drying ponds caused movement of cattle to other pastures or market. In many places soil too hard and dry to plow; in others too dry for fall grazing crops to germinate; early planted rye grass died. In each of the last three months (or longer), many stations had below normal rainfall. Foresters reported worst dry weather in years, with hazardous fire danger and Ips beetle (attacks Southern Pine), population buildup.
MISSOURI Western part of Atchison County	17	Evening					4		Thunderstorm Crab full of corn set on fire by lightning.
MONTANA			None reported						
NEBRASKA			None reported						
NEVADA Lander, Eureka and Elko Counties	11th 12th						4		Heavy snow A heavy, wet snow fell along a narrow band from Austin to the extreme northeast portion of Elko County and from Carlin to 20 miles west of Elko, causing serious damage to roofs, fences, power and telephone lines and other light structures. Essentially every tree in the city of Elko was damaged. Snow depths from 5 inches to as much as 24 inches at higher elevations north of Eureka were reported. The unusual damage was caused by the fact that no major frost had occurred up to this date, and trees and shrubs were in full foliage.
NEW HAMPSHIRE State	3	P.M.			0	0	4	0	Electrical, wind, hail Thunderstorms, two at many stations during afternoon, caused lightning damage, with major loss at Littleton, and scattered wind damage. Hail, about 3/8 inch size, was reported at Campton, Keene, Nashua, and West Sweney.
Coastal	29				0	0	4	0	Hurricane Ginny Damage from strong winds was mostly confined to the southeast, or coastal, portion of the state. A large building wall under construction in Portsmouth was blown down. A number of trees and limbs toppled and some utility outages resulted. Only minor damage to coastal installations. Welcome precipitation, some of which fell on the 28th, ranged from near 2 inches near the coast to less than one-half inch in much of the Connecticut River valley, with most of the state getting one inch or more.
NEW JERSEY			None reported						
NEW MEXICO			None reported						
NEW YORK			None reported						
NORTH CAROLINA Coast	19- 27				0	0	5	5	Hurricane Hurricane Ginny remained close enough to North Carolina coast to cause windy weather, rough water and above normal tides entire period. One beach home, probably already weakened by previous storms, fell in the surf. No other structural damage known, but extensive minor beach erosion and some damage to unharvested corn, cotton and soybeans.
Montgomery, Onslow, Pender, Robeson Counties	29	early am			0	0	3	4	Hail Heavy hail, unusual at this time of year, fell at a number of places. Ground reported well covered at Willard, in Pender County, with some remaining in drifts for 18 hours. Little damage because no crops growing; most of crop damage to soybeans awaiting harvest.
NORTH DAKOTA			No report received by printing deadline						
OHIO			None reported						
OKLAHOMA Statewide	Most of Month				0	0	?	?	Dry spell Dry, warm weather of the lingering Indian Summer continued on through October in most areas of the State. Varying periods of light showers occurring between the 16th and the close of the month ended the last of the dry spell which had lasted for 21 days in the north to 35 days in the south and Panhandle, with up to 42 days in
OKLAHOMA (Cont'd) Statewide (Cont'd)									the southeast and 42 days in Johnston County. Subnormal rainfall during October totaled generally up to 0.3 inch in the southeast half of the State, and 1.0 to 2.5 inches in the northwest half, except for 4.45 inches at Muskogee. October rainfall had little effect in relieving dry conditions in the State with cumulative deficiencies for January through October 1963 now ranging from an average of 1.73 inches in the north-central to 3.40 inches in the Panhandle, and five to nine inches in the west-central, southwest and central divisions. Greatest shortages are indicated in the eastern and south-central divisions where cumulative deficiencies range from 16 to near 18 inches. Dry conditions were further aggravated by above normal percentage of possible sunshine and warm days which averaged mean October temperatures from six to nine degrees above normal. Temperatures of 100 degrees or more occurred at six stations in the southeast quarter, ending by the 9th, with up to three such days at Blanchard, McClain County. Temperatures of 90 degrees or more occurred Statewide and ranged from 11 such days in the north to 18 days in the south. The continued effects of the dry spell are evident over most of the State by the decrease of surface and subsoil moisture, the poor condition of fall-planted small grains, the declining condition of ranges and pastures, the drying-up of farm ponds, the increase of supplemental feeding, and hauling of water for livestock. On October 23 there were 23 Oklahoma Counties approved for Federal Drought Relief, with 19 additional counties under consideration at the close of the month.
Elaine and Major Counties	20	3:00p.- 4:00p.			0	0	?	?	Rains Scattered thunderstorms moved northeast across the area with heaviest rains reported between Homestead and Fairview where unofficial totals of five to six inches washed out many fields of freshly planted wheat. A flash flood, resulting from an unofficial three inch burst of rainfall in 15 minutes, at Roman Nose State Park swept an Okarthe man's new car down stream several blocks. Three occupants escaped without injury.
Kingfisher and Garfield Counties	20	4:40p.- 5:00p.	5	1/2	0	0	4	3	Tornado, hail, and rain Heavy thunderstorms moved northeast across the counties with intense rain and some hail accompanying a tornado that skipped across eight farms along a five-mile path from the extreme northeast corner of Kingfisher County into the south-central part of Garfield County. Tornado first hit a farm seven miles west-southwest of Marshall where a large barn was exploded. The continuing path of damage included nine other farm buildings destroyed, 11 buildings heavily damaged, 12 cattle injured, fences damaged, many windows broken, and roofs damaged. An oil field truck was overturned at one farm where hail up to one-inch size was piled and washed hip-deep. A half-mile of dual power transmission lines were bowed when the poles were broken and twisted off just above the ground. One farmer reported an unofficial measurement of 2.7 inches of rain which fell in 15 minutes. Some winter wheat in area ready for grazing was damaged by hail. Tornado damage about 90 percent of total, and 10 percent from hail.
Buffalo 2.5 NE, Harper County	23	6:00p.			0	0	4	0	Electrical Lightning struck a farm home with the resulting fire destroying the house and its contents while the family was away.
Kiowa County	23	9:00p.- 10:00p.			0	0	0	0	Rain and hail Heavy, spotty rains fell over the northwest quarter of Kiowa County which ended a 25-day dry spell. Unofficial measurements of 3.5 to 5.0 inches were reported over the area one to three miles north of Lone Wolf. Some flash flooding was reported in the Lone Wolf area where high water closed SR 9 in two places east of the City and badly washed some fields. Some two-inch egg size hail fell at Lone Wolf with greatest hail damage occurring along a seven-by 1/2-mile path moving south-southeast across Coperton where considerable property was damaged by 1 1/2-inch stones along with some cotton still in the fields.
OREGON			None reported						
PACIFIC AREA			None reported						
PENNSYLVANIA			None reported						
PUERTO RICO			None reported						
RHODE ISLAND			None reported						
SOUTH CAROLINA Clarendon, Oconee County	12	2:55 pm -2:58 pm			0	0	3	0	Hail Hail was mostly pea-size, but some stones were observed with about 3/4" diameter.
South Carolina Coast	25	All day			0	0			Hurricane Hurricane Ginny moved northward from 50 to 100 miles off the coast. Wind and erosion damage was slight, while rainfall was locally beneficial to crops.
SOUTH DAKOTA Near Iroquois	15	PM			1	0	0	0	Lightning Farm youth struck by lightning while operating tractor.
10 S Watertown	15	3:00 PM							Funnel cloud aloft.

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	
TENNESSEE			None	reported					
TEXAS									
10 N Lamesa Dawson County	22	7:05 p	short	narrow	0	0	0	0	Tornado
	Tornado touched ground briefly in open country 10 miles north of Lamesa.								
16 NW Fort Stockton Pecos County	23	12:55 p	short	narrow	0	0	0	0	Tornado
	Small tornado touched ground briefly in open country northwest of Fort Stockton.								
Reeves County	23	12:57 p	short	narrow	0	0	0	0	Tornado
	Small tornado touched ground briefly in open ranch land between Pecos and Balmorhea.								
4 E Mineola Wood County	31	4:00 p	1	3/4	0	0	4	0	Tornado
	A tornado struck the New Hope Community near Mineola causing minor damage. The roof was blown off a barn, and several utility poles were snapped off.								
UTAH			None	reported					
VERMONT									
State	3	P.M.			0	0	3	0	Electrical, wind, hail
	Thunderstorms, two at many stations in afternoon caused scattered lightning and wind damage. Heavy hail just south of Bennington at 12:45 P.M. was reported.								
State	8-9				0	0	3	0	Electrical, wind
	Thunderstorm activity late on the 8th and early on the 9th with mostly minor lightning and scattered wind damage. A number of trees were felled at Wardsboro.								
U. S. VIRGIN IS.			None	reported					
VIRGINIA			None	reported					
WASHINGTON									
Entire State	21 & 24				0	0	5	5	Wind.
	High wind in all areas of the State as intense weather systems moved inland on the 21st and 24th. Plate glass windows were broken in a few localities and power outages were numerous. In the Okanogan area, some loss of unharvested apples occurred and a forest and range fire was difficult to control. In western Washington, a marina was damaged extensively and pontoons on the Hood Canal Floating Bridge were damaged.								
WEST VIRGINIA			None	reported					
WISCONSIN			None	reported					
WYOMING			None	reported					

- ° 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 \$5,000,000
 - 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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