

NOVEMBER 1979

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STORM DATA



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NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

ENVIRONMENTAL DATA AND
INFORMATION SERVICE

NATIONAL CLIMATIC CENTER
ASHEVILLE, N.C.

STORM DATA AND UNUSUAL WEATHER PHENOMENA

NOVEMBER 1979

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
ALABAMA Birmingham Metro Area, Jefferson County	9	1:43p	1/2	25	0	0	4	0	Tornado
									Small tornado formed about one mile south of Birmingham Weather Service Forecast Office and was observed by personnel of the forecast office moving rapidly northeastward at tree top level. It touched down briefly in an industrial park, doing structural damage to a warehouse and several other buildings. It had apparently risen to tree-top level again by the time it reached a fire station and shopping area about 2 miles farther to the northeast, where signs were damaged and trees were uprooted. It remained aloft, moving at about 50 mph, but was reported as a funnel cloud on the eastern side of town about 15 miles northeast of the touchdown site. Total damage was estimated at about \$6,000.
Clarke County	25	9:40a-10:15a	25	300	0	2	5	5	Tornado
									Tornado struck Saltpa community in southwest part of county. Two people were injured, 2 houses were destroyed, 4 houses sustained major damage and 6 had minor damage. Four mobile homes were destroyed, one church was heavily damaged and a Masonic Lodge was damaged. The tornado moved north-northeastward, on an intermittent track, mostly through woodlands, for about 25 miles, striking the Bashl community near the northern end of the county where a butane gas tank was blown down a hill and several houses and a barn sustained damage.
Conecuh County	25	11:00a	**100	15	0	0	3	0	Tornado
									Small tornado touched down briefly, picked up a six room wooden frame house and carried it about 15 feet. The tin roof was blown off the house and scattered over a large area.
Conecuh County	25	11:20a	5	30	0	0	4	3	Tornado
									Small tornado touched down at Evergreen Airport destroying small airplane and uprooting trees, then lifted and touched down again briefly along Highway 83 northwest of Evergreen, where a number of trees were uprooted including a large tree that blocked the highway for more than one hour.
Wilcox County	25	11:20a			0	0	0	2	Funnel Cloud
									Funnel cloud reported by public near Millers Ferry. Minor tree damage was reported.
Dallas County	25	11:30a	**100	50	0	0	0	3	Tornado
									Small tornado touched down briefly and damaged and uprooted trees over about one acre near Pleasant Hill in the extreme eastern part of the county.
Butler and Lowndes Counties	25	12:10a-12:40p	20	50	0	12	4	3	Tornado
									Tornado touched down along highway 185 northwest of Greenville, uprooting trees and disrupting electric power in that area for 2-3 hours. It moved northeastward, touching down intermittently near Fort Deposit, Calhoun and Letchatchie in Lowndes County. Twelve people were injured, 6 mobile homes were destroyed, 8 houses had roof damage and one barn was destroyed. Two separate funnels were reported by the public at Letchatchie.
Montgomery and Elmore Counties	25	12:50p-1:05p	12	150	0	20	6	3	Tornado
									Tornado incident, which may have involved more than one funnel, resulted in about one million dollars damage in southern and eastern sections of the Montgomery metropolitan area. Twenty people were injured, one seriously. The Green Acres and Heather-ton Heights areas sustained the greatest damage. In the Green Acres area, 7 homes were destroyed, 15 had major damage, and 30 sustained minor damage. In the Hillcrest subdivision, numerous homes sustained roof and tree damage. The Fieldcrest apartment complex sustained about \$250,000 damage, with 4 units destroyed and 80 damaged. The tornado tracked northeastward for several miles from its touchdown in southeast Montgomery, then move north-northeastward and partially aloft, touching down near the Tallapoosa River and continuing a short distance into Elmore County south of Wetumpka where an old unoccupied house was heavily damaged and trees were uprooted near the Tallapoosa River.
Elmore and Tallapoosa Counties	25	1:50p-2:30p	25	60	0	2	5	4	Tornado
									Tornado touched down at Kowaliga on the shore of Lake Martin in Elmore County, damaging several lake-side homes and uprooting trees. It moved northeastward across the lake, touching down in the lake area at the Piney Woods Marina, Bay Pines, and Rock Springs in Tallapoosa County. Trees were uprooted, one house sustained major damage at Bay Pines and one house and a trailer were damaged at Rock Springs. It continued northeastward across the Tallapoosa River, heavily damaged a house south of New Site, then moved directly through the New Site community where 2 people were injured, 4 mobile homes were destroyed, 2 houses were demolished, several others had minor to major damage, and the high school sustained major damage. The tornado apparently lifted a short distance north of New Site and remained aloft as it moved into southeast Clay and southwest Randolph counties.
ALASKA Southwest Alaska	8-10				0	0	7	0	High winds, rough seas and coastal flooding
									Monthly maximum tides occurred at most points in southwest Alaska on the 5th. On the evening of Nov. 8-9 and again on the evening of Nov. 9-10, small but intense low pressure centers moved rapidly from near Cape Sarahet to near Unalakleet. Coastal flooding from Toigak to Kinak Bay occurred with the first storm; the second storm caused flooding from Hazel Bay to the mouth of the Yukon River. The flooding on the Kuskokwim Bay coast was the worst in the memory of long-time residents. Heavy surf and high water levels did considerable damage to villages right on the coast and eroded the shoreline back as much as 24 feet. The town of Bethel was not flooded, but sustained wind damage. Several vessels ran out of fuel in Kuskokwim Bay on the night of Nov. 18-9 fighting the wind and rough seas. The 324-ft. Japanese fishing ship "Ryngo Maru No. 2" ran aground on the south shore of Saint Paul Island in the storm and was eventually broken up by heavy seas which were as high as 30 feet on Nov. 15. The large spill of diesel fuel from the ship killed some marine life on Saint Paul Island.
Anchorage Area	9-10				0	0	4	0	High winds
									The weather fronts associated with the two lows which caused coastal flooding in southwest Alaska on Nov. 8-10 moved eastward through Anchorage during the morning of Nov. 9 and the morning of Nov. 10. Winds to 30 miles an hour hit east Anchorage and the shore of Turnagain Arm on the morning of the 9th and winds to 40 miles an hour hit the same areas on the morning of the 10th. There were scattered power outages and some wind damage, mainly near the Chugach foothills.
Anchorage Area	12-13				0	?	4	0	Heavy snow
									A nearly stationary front extended NNE-SSW over Cook Inlet, with maritime air to the east and cold, continental air to the west. On the night of Nov. 12-13, the cold air surged into Cook Inlet, setting off significant snowfall. 6 inches of snow fell at Anchorage International Airport and there were heavier amounts in the Chugach foothills. The wet snow caused scattered power outages and automobile accidents, mainly on the morning of the 13th.
Southwest and Southcentral Alaska	15				0	0	5	0	High winds
									An enormous and fast-moving storm moved into the Bering Sea from the west Pacific on the 14th, and reached Unalakleet early on the 15th. Storm force winds prevailed over nearly the entire Bering Sea and the southwest Alaska coast on the 15th. The weather front ahead of the storm center moved through Anchorage on the afternoon of the 15th. There was some wind damage in southwest Alaska, and minor coastal flooding recurred on the coast from Cape Newenham to Scammon Bay. Seas in the Bering Sea were up to 30 feet. In the Anchorage area, winds near the Chugach foothills and near Turnagain Arm increased to 50-100 miles an hour late on the morning of the 15th, and diminished after the front passed through that afternoon. It was an unusually severe windstorm for Anchorage. There was extensive wind damage in Anchorage, especially east Anchorage, where numerous power lines and poles were downed, trees blown down, and roofs were peeled off houses. There were widespread power outages.
Southeast Alaska	19				2	0	5	0	High winds
									A strong occluded front moved northeastward out of the Gulf of Alaska on Nov. 19. Storm force winds struck the Alaska Panhandle on the evening of Nov. 19 as the front approached. The wind diminished in the early morning hours of Nov. 20 after the frontal passage. Winds measured to 74 miles an hour in Wrangell caused numerous power outages. In Ketchikan, strong wind tore off a portion of the roof of the Flight Service Station, caused extensive power outages, sunk two boats, and caused considerable damage to at least four small planes. Minor wind damage occurred in Juneau and Sitka. Two people, each rowing a small boat, were lost out of Happy Harbor, about 45 miles northwest of Ketchikan. The wreckage of the boats was found on Nov. 20.
Yakutat	20	00:00-01:00AM			0	0	4	0	Lightening storm
									Very unstable air swept in from the Gulf of Alaska over Yakutat, on Alaska's North Gulf Coast, on the night of Nov. 19-20. A rare and violent lightening storm hit Yakutat between midnight and 1:00 AM. Approximately 30 people live in Yakutat. Most radio antennas were struck, and equipment attached to the antennas was internally fused. Nearly all the village was without electric power for several days after the storm, which severely damaged the village's electric power system.
Southeast Alaska	20-21				0	0	4	0	High winds
									A large and powerful storm center moved up out of the southern Gulf of Alaska toward Prince William Sound on Nov. 20-21. Storm force winds struck southeast Alaska on the night of Nov. 20 as the occluded front ahead of the low approached. The winds diminished on the evening of Nov. 21 after the frontal passage on the afternoon of Nov. 21. Winds in Sitka reached 66 miles an hour, and caused numerous power outages and some wind damage in the town.

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					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	
ALASKA (continued)											
Eastern Aleutian Islands	22-23				3	0	6	0			High winds and rough seas
					Winds over the eastern Bering Sea increased to northerly 30-45 knots on Nov. 21. The wind increased to 40-60 knots on Nov. 22, and then rapidly diminished on the afternoon of Nov. 23. Seas in the southeast Bering Sea built up to an estimated 20-25 feet by the morning of Nov. 23. Air temperatures over the water fell from the upper 20's on the 21st to the lower 20's early on the 23rd. The 60-foot fishing vessel "Hellation" sailed from Dutch Harbor, in the eastern Aleutians, on Nov. 22 for Unalga Pass, about 17 miles east of Dutch Harbor. The boat and all 3 hands on board were lost, presumably in Unalga Pass, late on the 22nd or early on the 23rd.						
Southeast Alaska	30				0	0	5	0			High winds
					A moderately strong low pressure center intensified as it moved northward about 200 miles off the southeast Alaska coast on Nov. 30. The low was west of Ketchikan at 4AM and was just south of Yakutat at 4PM PST. The low reached its maximum strength around 10AM PST. Gale to storm force southeast winds swept over southeast Alaska for much of the day. Strong winds in Juneau totally destroyed one mobile home and did extensive damage to 2 others at a trailer park. In addition, several cars were damaged and several power outages due to downed lines occurred in Juneau.						
ARIZONA											NONE REPORTED
ARKANSAS											NONE REPORTED
CALIFORNIA NORTHERN											NO REPORT RECEIVED
CALIFORNIA SOUTHERN											NO REPORT RECEIVED
COLORADO											
Most of state	19-21				2	1	5	?			Blizzard
					A heavy snowstorm buried all of Colorado except the southeastern corner of the state. Most places received at least a foot of snow, with depths of two to four feet in the mountains and along the eastern foothills. 17 inches of snow piled up in Denver, the greatest snow depth there since 1946. The snowfall set records for November in Boulder and Fort Collins.						
					Winds up to 60 mph accompanied the snow in the mountains and the northeastern part of Colorado. The resulting blizzard conditions piled up 5 foot drifts, paralyzing Denver and other areas for a day or two. Small airports closed; Denver's Stapleton Airport remained open, but with long delays that snarled Thanksgiving holiday traffic. Schools and businesses closed; postal deliveries were delayed. Almost all freeways leading out of Denver were closed to traffic for periods of time on the 20th and 21st.						
					Although many travelers were stranded by the storm, the only known casualties attributed to the blizzard occurred on the night of the 19th when a small plane crashed near Castle Rock, killing two people and injuring one. The accident occurred a few hours after snow had begun falling in the area.						
					Property damage was rather light, but the task of removing the snow from the storm cost municipal governments many thousands of dollars.						
CONNECTICUT											NONE REPORTED
DELAWARE											NONE REPORTED
FLORIDA											
Palm Beach County	7	5:00PM EST			0	0	0	0			Funnel cloud
					A funnel cloud was observed briefly over Palm Beach Inlet.						
Jefferson County	11	9:00AM EST	3	30	0	0	4	0			Tornado
					A tornado damaged timber, fences, and two grain storage bins on Norris Plantation northeast of Lake Miccosukee. An estimated 200,000 board feet of timber was downed along the tornado path.						
Martin County	12	1:40PM EST			0	0	0	0			Funnel cloud
					A funnel cloud hovered for 10 minutes over the St. Lucie River near Stuart. It retreated into the clouds without touching down.						
Escambia County	25	10:56AM CST	?	?	0	0	4	0			Tornado
					Civil Defense officials reported several small buildings damaged by a small tornado that hopped through the Walnut Hill area in Northwest Escambia County.						
GEORGIA											
Tift County	10	2:00p	8	50	0	0	5	0			Tornado
					Tornado touched down in Omega damaging 22 houses and 2 nurseries on the north side of town.						
Thomas County	11	8:15a	short	50	0	0	6	0			Tornado
					Tornado touched down at Boston severely damaging 8 homes with lesser damage to several others. One trailer home demolished and widespread loss of utilities.						
Cobb County	25	5:25p	1	50	0	0	5	0			Tornado
					A small tornado damaged several houses, uprooted trees, and downed power lines near Kennesaw.						
HAWAII											NO REPORT RECEIVED
IDAHO											NONE REPORTED
ILLINOIS											NONE REPORTED
INDIANA											
Delaware County Muncie	25	11P			0	0	?	0			High winds
					Tree limbs down and power out at Halteman Village						
Wayne County Richmond	25	7P			0	0	4	0			High winds
					National Development Corporation, Pittsburg, reported: Interfaith Apartments, 34 W Fifth Street, had top section blown off and eight walls blown down Sunday night. Strong southwest winds caused this \$20,000 damage.						
Delaware County Muncie	26	7A			0	0	?	0			High winds
					Muncie Airport reported wind gusts to 50 mph.						
IOWA											NONE REPORTED
KANSAS											NONE REPORTED
KENTUCKY											NONE REPORTED
LOUISIANA											
St. Tammany Parish	28	Morning			1	0	4	0			Windstorm
					A strong and sudden gust of wind blew down a wall of building under construction in Mandeville. The wall fell on and crushed a 31 year old workman.						
MAINE											
Sidney, Kennebec County	20	7-9pm			0	0	1	0			Lightning
					Lightning struck a home causing stored gasoline in the garage to explode. Minor damage to the garage and a closet.						
MARYLAND & D.C.											
Harford County	26	4:30 p			0	0	4	0			Wind
					Locally strong winds associated with a cold frontal system destroyed a two-story barn on a dairy farm in the Upper Crossroads area. In addition, loose siding was picked up from a wagon and strewn about, damaging a pickup truck on the property. Tree damage was also reported in the vicinity during the brief storm. Total damage was estimated at around \$18,000.						
Queen Annes and Talbot Counties	26	Late Afternoon			0	0	4	0			Wind
					In Easton the cinderblock wall of a warehouse extension, under construction, was knocked down by high winds. The 40 mile-an-hour winds also blew trees onto power lines, disrupting electrical service to the Wye Mills-Queenstown area for a time. Total damage was estimated at about \$5,000.						
MASSACHUSETTS											NONE REPORTED

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					KILLED	INJURED	PROPERTY	CROPS	
MICHIGAN SE half of Lower Peninsula.	26	AM & PM			0	1	5	0	Windstorm
	Strong gusty winds in the wake of a storm center that moved across the Lower Peninsula Monday morning, resulted in scattered power outages caused by trees and debris blown onto power lines and insulators. Wind gusts of 56 mph were measured in the Ann Arbor - Ypsilanti area and winds reached 60 mph over Lake St. Clair where three to six foot waves battered the shoreline, causing many boats to break away from their moorings, necessitating the retrieval of the boats by the U.S. Coast Guard. On a road 12 miles west of Marshall strong winds toppled a tree across a roadway which resulted in a vehicle hitting the tree, then sliding down into a ditch, where the hot exhaust system underneath the vehicle ignited the weeds in the ditch causing a blaze that traveled up into the engine compartment of the vehicle, resulting in the total destruction of the vehicle. Wind gusts of 50 mph caused minor injury to a Troy police officer by slamming the door of the police vehicle into the officer's face, resulting in a trip to the hospital. Some property damage was reported in St. Clair county where a window was blown in at J.B. Sperry company in Port Huron, and a barn was lifted from its foundation in Columbus Township and blown into another barn, resulting in injury to some of the 70 helpers in the barn. In Owosso, strong winds blew off a porch from a mobile home at the Northwood Estates, and in Flint's 25,000-pound sculpture in a downtown park was toppled into a dry canal by 53 mph wind gusts, resulting in the welded and bolted panels of the sculpture to come apart. The damage to the 40-foot high sculpture was estimated at \$75,000.								
Lansing, Ingham county.	28	Morning			0	1	4	0	Snow and Ice
	Numerous auto collisions in the city during an early morning traffic. The worst spots in the city were along I-496 and U.S. 127 - particularly on the overpasses where blowing winds turned the roadway into a sheet of ice - and in Waverly road. An auto accident on U.S.-127 near Lansing Rd. resulted in a minor injury to an occupant of one of the vehicles. A total of 74 accidents were blamed on the snow and ice, many of which involved three or four vehicles. The worst pile-up was a five-car wreck at Pennsylvania and Alden at 5:10PM on the 28th.								
Delta Township, Eaton county.	29	8AM			0	5	4	0	Snow and Ice
	Snow and ice on the roads caused 26 accidents, including an accident at about 8AM in which five persons received minor injuries.								
Fayette Township, Hillsdale county.	29	12:40PM			0	1	3	0	Snow and Ice
	Slippery roads caused numerous accidents, including a single-car mishap on Barnard Road west of Bridge Road in which the driver of the vehicle sustained a broken leg. The vehicle slipped on an icy spot on a gravel road, hit a tree head-on before travelling another 43 feet on the slick surface. The passenger of the vehicle was treated and released from Hillsdale Community Health Center.								
Ionis, Ionis county.	29-30	PM			0	1	3	0	Snow and Ice
	Icy street conditions contributed to three traffic accidents, including one personal injury accident. The driver of the vehicle lost control of the car, crossed the roadway and entered a ditch before striking a tree. The driver of the vehicle received minor injuries.								
MINNESOTA	NONE REPORTED								
MISSISSIPPI Marshall and Pinola Counties	9	6:00 a.	0	0	0	1	4	0	Thunderstorm, high winds.
	High winds demolished a house trailer on US Route 311 just north of Holly Springs in Marshall County. A woman in the trailer suffered only minor cuts and bruises. A cotton trailer was overturned at the Yocoma gin a few miles south of Batesville in Pinola County. The trailer sustained minor damage.								
MISSOURI Diamond, Newton County	20	2:30 pm			0	0	0	0	Lightning
	A ten-year-old girl, Debbie McIntire, was struck by lightning but did not require hospitalization. She said she was sitting on the couch watching television when a "ball of fire" came through the window, struck her in the arm, and then ran out through a light socket, burning the socket. She said she was unconscious for a very short time. There were no burn marks on the girl, but her skin was very tender and her face was hot and flushed.								
Thayer, Oregon County	21	5:35 am			0	0	4	0	Lightning
	Virgil Craft, age 69, burned to death in a fire at his home near the stateline. When the fire was spotted and reported by personnel on a passing Frisco Railways train, the roof of the house had already caved in and the house was burning furiously. According to Oregon County Sheriff Chester Joe Hawkins, the cause of the fire was lightning.								
MONTANA	NONE REPORTED								

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NEBRASKA Central and North Central Nebraska	5	Early Morning to Noon			0	0	0	?	Heavy Snow
	Heavy snow spread northeast from the sandhills into north central Nebraska accompanied by 35 m.p.h. winds causing some drifting. Snowfall averaged 4 to 7 inches with greatest amounts around Stapleton and Mullen where 7 inches was reported. Around Neligh and Ainsworth 4 to 6 inches fell.								
Western, Central and Northeast Nebraska	19-21	Late Night to Late Evening			0	0	5	6	Heavy Snow - Blizzard
	An intense storm entered western Nebraska and spread heavy snow eastward north of a line from McCook to Kearney to Sioix City. Heaviest snow fell in the panhandle and from Keith, Perkins, Lincoln, McPherson and Logan Counties in southwest Nebraska into Rock, Holt and Knox Counties in northeast Nebraska. Snowfall in those areas measured 10 to 25 inches. Greatest amounts reported were 20 to 25 inches at Stapleton, Brewster and around Sidney. Winds gusting around 50 m.p.h. blew and drifted snow to depths of 5 to 20 feet in the panhandle and the central sandhills and reduced visibility to near zero. Most roads including the interstate were closed stranding Thanksgiving holiday travelers. Some livestock loss and crop damage was reported. A factory roof collapsed at Alliance from the weight of the snow.								
NEVADA	24-26	late eve & early am			0	0	5	0	Windstorm
	Gusts to 63 mph at Reno Airport (1617P). EPA at Carson City recorded 88 mph winds at about 1 am on the 26th. A new building, under construction, collapsed; otherwise damage was to trees and signs.								
NEW HAMPSHIRE	NONE REPORTED								
NEW JERSEY (Northern)	26	p.m.			0	0	?	?	Wind and Rain
	Gusts of wind throughout the day up to 36 mph, with average wind velocity about 20 mph, caused by a cold front that passed through Allentown, Pa. I lifted about 140 feet of roofing off a local motel. Seven guest rooms were exposed to wind gusts and rain.								
SOUTHERN N. J. (Gloucester Township, Upper Deerfield Cumberland County, Paulsboro)	26	p.m.	?	?	0	0	?	?	Tornado - like wind and monsoon rain
	Winds were reported to be 60 mph and rain whipped through South Jersey destroying property and creating a two hour power outage. The twister smashed windows, uprooted trees and shrubbery and ripped shingles off roofs when it touched down about 6:30 near the intersection of Keller and San Jose drives. A 300-pound camper top from a pickup truck parked in the street was blown smashing aluminum siding on a house.								
NEW MEXICO	NONE REPORTED								
NEW YORK COASTAL (Extreme Southeast, Nassau, Suffolk Co., Metropolitan Area)	26	a.m.			0	0	?	?	Wind and Rain
	A powerful storm soaked areas of Eastern Long Island Southeastern New York and the Metropolitan Area with almost two inches of rain. Wind gust measured up to 54 miles per hour knocking down tree branches and power lines. Winds ripped up a bridge on the Playland Parkway in Rye, forcing maintenance workers out into the rain to make repairs.								

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NEW YORK (continued)									
CENTRAL AREAWIDE	26	7A-7P			5	0	6	0	HEAVY RAIN AND STRONG WINDS
			ONE TO TWO AND ONE HALF INCHES OF RAIN OVER THE AREA CAUSED FLASH FLOODING. MANY RIVERS AND STREAMS OVERFLOWED THEIR BANKS, CAUSING MINOR FLOODING IN THE SOUTH AND MAJOR PROBLEMS IN THE NORTHEASTERN SECTION OF THE STATE. MANY ROADS WERE REPORTED AWASH AND STRONG WINDS ADDED TO THE PROBLEMS CAUSING DOWNED TREES AND POWERLINES. ESSEX COUNTY APPEARED TO BE HARDEST HIT AS RAINFALL IN THE MOUNTAINOUS TERRAIN FLOVED TO THE LOWER LANDS, RAPIDLY CAUSING FLOODING OF PRIVATE HOMES AND BUSINESSES, AS WELL AS WASHING OUT SEVERAL ROADS. NEAR ELIZABETHTOWN, IN ESSEX COUNTY, A ROAD WASHOUT WAS RESPONSIBLE FOR FIVE DEATHS AS SEVERAL AUTOMOBILES PLUNGED OFF THE ROAD INTO THE FAST FLOWING RIVER.						
NEW YORK WESTERN Erie and Niagara Counties	11/26	Evening to 11/27 Morning					4		Wind
			Strong winds with gusts up to 60 MPH ravaged thru Erie and Niagara Counties, knocked down power lines and rendered 8000 homes without electricity for up to one hour, blew off roof tops and overturned a truck.						
Northern Chautauque, Northern Cattaraugus and Southern Erie Counties	11/28	Evening to 11/29 Evening					4		Heavy snow
			Lake effect snowstorm in narrow bands oscillated over eastern shores of Lake Erie and produced over one foot of snow in some areas. There were dazed-in roofs and minor vehicular accidents.						
Erie County	11/30	Morning to 12/1 Morning					5		Heavy snow
			Lake effect snowstorm shifted from southern portions of western New York to the Buffalo area and produced near record snowfall in 24 hours. Thousands of cars were abandoned in the middle of streets and thousands of roofs caved in; schools and offices closed; cleanup took several days.						
NORTH CAROLINA									NONE REPORTED
NORTH DAKOTA									NONE REPORTED
OHIO									NONE REPORTED
OKLAHOMA									
Bemington, Bryan County	8	1220a							Funnel Cloud
			Funnel reported along with "high winds" and pea size hail.						
North Central Oklahoma	20	5:00a-evening			0	0	6	?	Fresh Flooding
			Heavy rain caused flooding over much of North Central Oklahoma. The most significant flooding occurred in May County, Ponca City received about 12 inches in 14 hours! Nearly 4 inches of rain fell between 6:45 am and 9:45 am with another 5 inches between 11 am and 2 pm! Serious damage occurred to the spillway at Lake Ponca. Dozens of homes and businesses were flooded at Ponca City. Extensive flooding also occurred in and around Bartlesville. Damage to crops was expected to be high as seeding had just been completed for wheat and barley.						
Tulsa, Tulsa Co.	20	morning			1	0	0	0	Lightning Strike
			Lightning killed an aircraft maintenance supervisor as he stood outside an American Airlines Building.						
Comanche County	20	1:48p							Funnel Cloud
			A pilot reported the funnel 8 miles north of Indianola.						
Canadian County	20	afternoon			0	0	4	0	Tornado
			A funnel was first sighted aloft, south of El Reno at about 2:12p and it touched down briefly, south of Banner, damaging some trees. It moved northeast and touched down again near 164th and Morgan Rd. Utility poles, barns, and two vehicles were damaged.						
Harrah, Oklahoma Co.	20	afternoon			0	1	0	0	Lightning Strike
			A police officer was injured when lightning struck his patrol car as he talked on his radio.						
Near Perry, Noble County	20	afternoon			0	0	3	0	Windstorm
			Damage reported to a building and boat trailer 3 1/2 miles east of Perry.						
OKLAHOMA (continued)									
Near Wewoka, Seminole County	20	6:13p			0	0	0	0	High Winds
			"Extremely high winds" were reported 5 miles west of Wewoka. No damage was reported.						
Wilson, Carter Co.	20	late night			0	0	3	0	Windstorm
			Strong winds damaged the roofs of a home and steel grainery. Several cattle feeders and a utility building were also damaged.						
North of Ada Pontotoc County	21	1:53a			0	0	2	0	Windstorm
			A mobile home was blown off its blocks.						
Madill, Marshall Co.	21	early morning			0	0	3	0	Windstorm
			Minor wind damage occurred to mostly tree limbs. A metal fence was blown over and a dugout, and a baseball field was demolished.						
OREGON									NONE REPORTED
PACIFIC									NO REPORT RECEIVED
PENNSYLVANIA EASTERN									
Eastern Pennsylvania	26	10 AM to 7 PM EDT			0	0	5	0	Wind, Heavy Rain
			Rain fell over Eastern Pennsylvania with amounts of 1 to 2 inches in some locations. The rain resulted in some roadway and small stream flooding, but the greatest damage was in Tioga and Bradford Counties. In these counties roads had washouts, a few mud slides occurred, debris was washed on roads and lawns, and at least two bridges were closed due to damage. Strong windflow brought wind-gusts approaching 60 miles per hour to southeast sections in the late morning and early afternoon. During the afternoon a cold front moved from west to east bringing thunderstorms and high wind gusts with it. Some of the highest gusts reported were 70 MPH at Kutztown, 65 MPH at Reading, 62 MPH at Allentown and 59 MPH at Philadelphia. The wind gusts tore the roofs or portions of roofs off houses, house trailers, barns and other buildings. One house under construction was almost completely destroyed. Many trees were uprooted or broken off. Some of the trees fell on buildings, automobiles or roadways. Falling trees or tree limbs and other flying debris brought down many power lines. Many porch roofs and small utility buildings were blown away or destroyed. Rain ruined a large amount of chemicals when the roof of a storage building was blown away.						
West Perm Township, Schuylkill County	26	5:15 PM EST	0.1	30	0	0	3	0	Tornado FPP 1-1
			A tornado touched down briefly taking most of the roof off a large house trailer and shifting it on its foundation.						
North Lebanon Township, Lebanon County	26	4:00 PM EST	0.3	50	0	0	3	0	Tornado FPP 001
			A tornado touched down briefly, uprooted trees, tore off portions of a house roof, took the chimney off a house and destroyed some storage buildings.						
Near Lititz, Lancaster County	26	4 PM EST	0.2	50	0	0	4	0	Tornado FPP 1-1
			A tornado touched down briefly, taking off the roof and portions of the walls of a 200-by-40 foot hog barn. Debris was scattered over a wide area and some was seen being carried off in the air. Three pigs were killed and several injured of the 730 in the building.						
PENNSYLVANIA WESTERN									NONE REPORTED

STORM DATA AND UNUSUAL WEATHER PHENOMENA

NOVEMBER 1979

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	
PUERTO RICO									
Vieques Passage	2	4:30 p.			0	0	0	0	Waterspout
Vieques Passage	3	10:00 a.			0	0	0	0	Waterspout
Vieques Passage	4	1:50 p.			0	0	0	0	Waterspout
Vieques Passage	5	3:15 p.			0	0	0	0	Waterspout
Corozal	7	Afternoon			1	0	5	0	Flash Flood
<p>Heavy afternoon convective thunderstorms over the northern slopes of the Central Cordillera caused a rapid rise of the Corozal River at its junction with Los Negros River in a low lying part of the town of Corozal. A flash flood of about one hour duration brought water into a parking lot adjacent to the river. One man drowned while attempting to move his car out of the parking lot. The vehicle was swept into the main stream by the current along with several other empty cars. A nearby bridge and recreation park were damaged by flood waters also.</p>									
Vieques Passage	20	2:30 p.			0	0	0	0	Waterspout
San Juan Metropolitan Area, Canovanas, Carolina, Trujillo Alto, Toa Baja, Bayamon, Guaynabo	25	Morning			0	0	5	0	Heavy Rain, Flooded
<p>An area of heavy thunderstorms associated with an upper level low pressure system moved over the north central portion of Puerto Rico with rainfall amounts of from 6 to 9 inches over a six to eight-hour period. Extensive urban flooding of low lying areas from heavy ponding and poor drainage occurred over an area about 10 miles east and west of San Juan and about 5 miles inland. Civil Defense evacuated several hundred persons. The chronic flood areas of Carolina, Puerto Nuevo and Toa Baja were the most affected. Many streets in the Ocean Park Urbanization and some downtown sections of Santurce were under water mostly due to failure of drainage pumps. Most of the damage was to household and personal effects as water entered some homes to a depth of two to three feet. Some businesses and storage areas also received water damage.</p>									
RHODE ISLAND NONE REPORTED									
SOUTH CAROLINA									
Greenville, Oconee, and Pickens Counties in S.C.	2	0300					3	3	Flash Flooding
<p>A slow moving cold front entered the state Thursday producing periods of heavy rain and occasional heavy thunderstorms. The prolonged downpour caused flash flooding on small streams and creeks and considerable urban flooding that disrupted some utility services.</p>									
SOUTH DAKOTA									
Southeastern South Dakota	21-22				0	0	0	?	Heavy Snow
<p>Snow began falling the morning of the 21st and continued until the evening of the 22nd. Snowfall totals were in the 6-13 inch range with thirteen inches at Sioux Falls being the largest amount reported. Moderate winds of 20-35 MPH made travel very difficult. Approximately 50% of the corn remained in the fields. The snow did not flatten the corn so most of it can still be harvested.</p>									
TENNESSEE									
Cookeville, Putnam County	9	8:30 a.					4		Lightning
<p>A single, isolated lightning bolt struck the Putnam County Ambulance Service's radio antenna causing radio equipment in the office to explode. Damage to radio equipment was estimated at \$10,000. The lightning also set two fires on the roof of the Ambulance Service building. The lightning strike was unusual because the concussion from the strike was felt throughout the downtown area and up to six miles away. Several windows within a block of the strike were shattered. The lightning came out of overcast skies with light rain falling at the time.</p>									
Lebanon, Wilson County	25	4:00 p.			1		4		Wind, heavy rains
<p>Heavy rains and high winds swept across Wilson County during the afternoon causing slight property damage and slightly injuring one man. The injury came when a billboard was blown on top of a car. The injuries were not serious. The winds were responsible for disrupting electrical service to Lebanon residents for as much as three hours.</p>									

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	
TEXAS									
NORTHERN									
Sherman, Grayson County	8	9:45 p			0	0	0	0	Hailstorm
<p>Amateur Radio storm spotters reported that 0.25 to 0.75 inch diameter hail fell for 10 minutes during a heavy thunderstorm. Apparently, no damage resulted.</p>									
Palestine area, Anderson County	19	5:15 p-6:15	25	?	0	0	5	0	Wind, Hail, and Rainstorm
<p>A severe thunderstorm formed rapidly in the Palestine area, then moved north-northeast across northeastern Anderson County. The storm caused roof, powerline, and sign damage to a number of buildings and homes in Palestine. Hail broke the windshields of an unspecified number of cars in the Palestine area. Further damage resulted when rain water flooded several businesses in Palestine. Several freshly paved asphalt streets were also damaged.</p>									
Teaselsville to Tyler, Smith County	19	6:15 p-7:15 p	20	?	0	0	4	0	Wind and Hailstorm
<p>The Anderson County storm moved into Smith County, with several mobile homes receiving moderate wind damage at Teaselsville, in extreme southwest Smith County. Power lines were downed in the same area. In Tyler, strong winds caused minor damage and golf ball size hail resulted in additional damage to signs and windows. Most of the hail was reported in central and northeast sections of Tyler.</p>									
Irving, Dallas County	19	10:00 p			0	0	?	?	Hailstorm
<p>A brief thunderstorm dropped one inch diameter hail in Irving. Damage was apparently negligible.</p>									
Clawson and Allentown areas, Angelina County	21	7:00 a	5	100	0	0	4	?	Tornado
<p>The tornado touched down near the rural community of Clawson and moved northeastward into the Allentown Community. Barns were destroyed, several mobile homes overturned, and power lines and trees were downed by the tornado. A number of citizens witnessed the tornado, which appeared as a funnel cloud alternately lowering to the ground and lifting again. The damage track was continuous despite the apparent lifting of the condensation funnel.</p>									
SE Nacogdoches, Nacogdoches County	21	8:00 a	2	75	0	0	4	?	Tornado
<p>A tornado blew a mobile home apart and destroyed several chicken houses, 5 miles east of Nacogdoches on the Upper Melrose Road. Fortunately, the occupants of the destroyed mobile home were not present when the tornado struck. Debris was blown over 1/2 of a mile away from the trailer home. The northeastward moving tornado was likely spawned by the same parent storm that produced the Angelina County tornado.</p>									
Linden, Cass County	21	2:00 p			0	0	4	0	Lightning
<p>Lightning apparently struck the home of Mrs. Maggie Morse about 2:00 p.m., causing a smoldering fire which intensified about 5:00 a.m. on the 22nd. Mrs. Morse died of smoke inhalation.</p>									
TEXAS SOUTHERN									
Nueces Co.	21	12:50 pm							Funnel cloud
<p>Moderate showers over Corpus Christi generated a harmless funnel cloud which moved aloft over the south side of the city.</p>									
Matagorda Co.	22	7:15 am			1	1	0	0	Lightning
<p>Four men were out for a Thanksgiving morning hunt about 7 miles east of Sargent in open coastal marshlands when a thunderstorm developed overhead. As they headed toward their vehicle, a lightning bolt struck into the group knocking all four men from their feet. One member of the group, a 46-year old man, apparently received the direct lightning hit and was killed instantly. The man's teenage son beside him was injured, while the other two were not harmed.</p>									
Colorado Co.	28	Noon			0	0	?	?	Wind
<p>Strong dry northerly wind gusts collapsed a partially built brick wall at a construction site east of Columbus. Two injuries were indirectly related to the wind gusts. One construction worker was critically hurt and another received minor injuries when they fell off scaffolding beside the collapsing wall.</p>									
TEXAS WESTERN									
Reese AFB, Lubbock County	8	1:47p	5	16	0	0	1	0	Tornado
<p>A small tornado was spotted by an FWS employee 2 miles south of the Reese AFB weather station. The tornado began as a small dust swirl 10 to 15 yards wide located at the southwest edge of an expansive thunderstorm. A connection between the dust swirl and the base of the storm was visible only briefly. The tornado moved east-northeastward at 30 mph and approached the Carlisle area where it was last reported at 1:57 p.m. No damage was reported.</p>									

STORM DATA AND UNUSUAL WEATHER PHENOMENA

NOVEMBER 1979

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE	CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS		
UTAH			NONE	REPORTED						
VERMONT CHITTENDEN, FRANKLIN, LAMOLLE AND GRAND ISLE COUNTIES	26	12P-9P			0	0	4	0		STRONG WINDS AND HEAVY RAIN
			HEAVY RAIN AND WINDS UP TO 50MPH CAUSED NUMEROUS POWER OUTAGES AND SEVERAL ROAD WASHOUTS IN THE NORTHWESTERN PART OF THE STATE. ONE INCH OF RAIN FELL IN ONE HOUR IN THE BURLINGTON AREA. IN LAYVILLE COUNTY A TRAIN DERAILED AFTER HEAVY RAIN WASHED OUT A SECTION OF THE TRACK BUT NO ONE WAS INJURED.							
VIRGINIA East Central	26	Early Afternoon			0	0	4	0		Wind
			Winds associated with a cold frontal system gusted to around 40 mph. Some 5,000 residences were without electrical service due to heavy line damage, in Chesterfield and Henrico Counties. In the Rainbrook subdivision of Henrico County a large tree fell through the roof of a home, causing between \$15,000 and \$18,000 damage. In addition, a three-hour power failure that was wind-related disrupted activities at Byrd International Airport.							
VIRGIN ISLANDS North of St. Croix	7	10:30 a.			0	0	0	0		Waterspout
WASHINGTON Pierce, King, and Snohomish Counties	28							5		Windstorm
			Trees and utility lines were blown down in the eastern sections of a three county area. Winds were reported at 40 mph with gusts over 50 near Kent and Maple Valley. Unconfirmed gusts above 60 mph were reported in all three counties. Winds gusted above 35 mph at Stampede Pass. About two dozen homes were struck by fallen trees in the three county area. A barn roof was blown off near Kent while in North Bend a home was totally destroyed by fire as the result of a tree downing a power line.							
WEST VIRGINIA			NONE	REPORTED						
WISCONSIN			NO REPORT RECEIVED							
WYOMING Southeastern Wyoming; Albany, Goshen, Laramie and Platte Counties	19-21	4:00 p. Midnight			0	0		5	0	Blizzard
			Snow began falling at 4:00 p.m. on the 19th, changing to blizzard conditions by mid-morning on the 20th. Roads were blocked, travelers stranded, schools closed, and business disrupted. A 26-inch snowfall at Cheyenne broke records for November. Some county roads were still not open by the end of the month. While there were no reported losses of livestock, hay was airlifted to some cattle that were without feed for about a week.							

STORM DATA AND UNUSUAL WEATHER PHENOMENA

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS				ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS	PROPERTY	CROPS	

THE FOLLOWING ARE LATE REPORTS, CORRECTIONS, AND DELETIONS:

LATE REPORTS											
COLORADO											
Northwest Denver											
	17	Aftn			2	0	0	0			Lightning
A man and a girl were struck and killed by lightning while walking in a park. The girl, 17, died at the scene; the man, 19, died the following day.											
MISSOURI											
Moniteau County											
	2	12 am			0	0	3	4			Severe Thunderstorm
Area residents were without power for a short period of time, and farmers suffered hail and wind damage to crops. There was some damage to primary lines, transformers, and 34kv lines by fallen trees, wind, and lightning. Mrs. Roscoe Gibson northeast of Tipton said they had approximately 200 acres of corn severely damaged that probably would not recover. A barn at the James Williams' farm was badly damaged as high winds carried the roof several hundred yards, scattering beams and tin along a fence in a nearby cornfield.											
Madison, Monroe County											
	11	3 pm			0	0	4	0			Lightning
Lightning caused two fires in Madison during a thunderstorm. On the Steve Price farm, a barn and its contents of 600-700 bales of hay and 225 bales of straw were destroyed. At the Bob Hendren home, lightning struck a maple tree then jumped to the side of the house. There was extensive damage to the corner of the house and to the roof at that corner.											
COLORADO											
Rocky Mtn. Natl. Park											
	24	Aftn			1	1	0	0			Lightning
A teen age boy was struck and killed by lightning while hiking in the mountains. His mother suffered minor injuries.											
MISSOURI											
Atchison, Harrison, Holt, and Worth Counties											
	28	7:30-8:30 pm			0	0	4	4			Severe Thunderstorm
Four employees of KFRX radio station in Tarkio, Atchison County, fearing for their lives, escaped injury while they hid under desks and tables as strong winds heavily damaged the building. Jerry Ball, station manager, said that he and station employees were watching a "huge black cloud" to the north when winds began to gust up to 70 mph. The wind ripped the roof off the building, the ceiling collapsed, the windows were blown put, and the building sustained water damage, but much of the broadcasting equipment was not harmed. The antenna next to the building was unharmed. All that was left of the 200-foot Warner Cable TV tower after the storm, however, was 60 feet. The rest was found twisted and crumbled over in a cornfield as was the shed that enclosed the wiring. In Tarkio, a mobile home at the Martin Trailer Court was knocked off its foundation. At the Harold Petznick residence, the house was damaged and the barn destroyed. At Tarkio College, a number of large trees limos were blown off the historic trees, some windows were broken in the dormitories, a number of car windows were broken, and the brick facing of one dormitory was blown down. The storm also downed a number of trees in Tarkio, tore out telephone, light and cable TV lines for several miles between Tarkio and Rock Port, Atchison County, and did considerable hail and wind damage to crops in the area. In Rock Port, trees and branches blown down caused most of the damage. In northern Mound City, Holt County, tree limbs and TV antennas were scattered throughout the city, and a large portion of the roof of the South-Guthrie residence was lifted and dropped across the street. The Nodaway County sheriff's office reported a house in Atchison County near the Nodaway County line was destroyed. The community building in Grant City, Worth County, was reported moved off its foundation, and the Kenneth Fountain home about five miles north of Martinsville, Harrison County, was shifted on its foundation. The brood house about 200 feet from the house was extensively damaged and a number of brooders killed.											
Linn County											
	22	eve.			0	0	3	0			Wind
Two rural residences about a quarter mile to a mile northwest of Marceline received the brunt of the storm. At the Eugene Elkins farm, outbuildings on each side of the house were demolished, while a CB antenna was blown off the roof of the house and a window blown out of the back porch. An empty corn bin was blown from its moorings, a bull shed was blown to pieces into a neighbor's bean field, and part of the roof of a barn was torn off. At the Ralph Cavanah farm, a machine shed and lawn furniture were destroyed, and fencing and gates and a skylight in the barn were lost. Numerous other minor property damage was reported at surrounding farms.											
Hannibal, Marion County											
	31	10:55 am			0	1	0	0			Lightning
Steve Yokers, 19, a painter for J. L. Manta Painting of Chicago was struck by lightning as he was working at the American Cyanamid Prol Plant. He was taken to St. Elizabeth's Hospital in critical condition and was treated for electrical shock.											
LATE REPORTS CALIFORNIA											
NORTHERN											
OCTOBER 1979											
NONE REPORTED											
HAWAII											
Oahu											
	2	1 AM			0	0	0	0			Lightning
NOAA Weather Radio KBA-99, on Mount Kaala, put out of action until 8:55 AM and intermittently thereafter until afternoon.											
Hawaii Island											
	8	Mid-morn.			0	0	0	0			Waterspouts
Several small waterspouts reported in Hawaiian waters. No further details available.											
	9	7:45 PM - 9 PM			0	0	4	*			Flash Flood
Thunderstorm caused local flash flooding in Kau District. Water overflowing clogged drainage ditch damaged small motel and yards of 5 homes and coffee and anthurium plantings in Waiohinu. Power outages from lightning strikes darkened a few localities, including parts of lower Hilo.											
Oahu											
	27	3:40 PM			0	0	0	0			Funnel Cloud
Observed near Waipahu.											
IOWA											
1 Mile South DeWitt (Clinton County)											
	19	12:15A			0	0	4	0			Severe Thunderstorm
Strong winds blew off a portion of a roof, which landed on and destroyed a car. A camper trailer was picked up and tossed into the side of a house.											
3 1/2 Mile NW Fort Madison (Lee County)											
	22	3:30A	.5	60	0	0	5	0			Tornado
Tornado touched down destroying a barn and moved NE. Tornado skipped along a path and struck a housing development and tore the roof off a house and damaged 4 others. Tornado then dissipated back into the clouds.											
West Central Iowa											
	22	7A-2P	--	--	0	0	4	0			Heavy Snow
Wet snow of 3-6 inches caused many trees with leaves still on them to fall onto houses, cars, and power lines. The heavy snow itself broke power lines and cracked poles.											
The same storm system which caused the tornado (reported separately) in Southeast Iowa produced heavy snow in West Central Iowa.											
PACIFIC											
Guam											
	9-10	Night and Morning			0	0	6	5			Tropical Storm
Tropical Storm TIP (later Super typhoon TIP) passed westward 30 miles south of Guam at 7:10 PM on the 9th. Wind, rain and high wave damage heaviest in southern villages. Talofo Bridge, sections of road, water lines washed out. Rock slides numerous. Roads and homes around island flooded. Island-wide outages when power lines downed by flying debris. Peak winds about 45 mph sustained, over 70 mph in gusts; probably higher in south. Total damage estimated at \$1.5 million, including (in thousands): debris clearing, 25; road repairs, 155; public buildings and utilities, 165; water control facilities, 60; facilities under construction, 20; crops and livestock, 490.											
American Samoa											
	28	5:30 AM-6:30 AM			4	4	6	4			Flash Floods and Landslides
Intense thunderstorms after a night of saturating rains triggered disastrous mudslides and flash floods in villages in the western end of Tutuila island, heavily damaging 10 permanent homes, 9 open houses (fales), destroying roads and bridges and covering others with mud, rocks and debris. In Setetaga village 4 persons, including 3 sisters, died when a wall of mud and water swept over their home. Elsewhere, 4 persons were injured, 2 of them seriously. Hundreds of uprooted trees littered the beaches or were carried out to the sea, which for miles offshore was stained with soil eroded from the land. Western Tutuila was scarred by dozens of landslides, large and small. In places entire mountainsides had slid away, carrying roadbeds with them. Reports that giant waves had crashed ashore throughout the night and Apia Observatory in Western Samoa registered a sharp earthquake at the time of the flash flooding would help account for the widespread landslides, but have not been confirmed. Damage totalled about \$916 thousand, as follows (in thousands): clearing and repair of roads, 277; clean-up of villages and emergency services, 207; utilities, 150; private housing, 244; agriculture, 138.											

STORM DATA AND UNUSUAL WEATHER PHENOMENA

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	
					KILLED	INURED	PROPERTY	CROPS							KILLED	INURED	PROPERTY	CROPS		
LATE REPORTS										CORRECTIONS										
OCTOBER 1979										MAY 1979										
VIRGINIA										MISSOURI										
Staunton, Augusta County	1	Morning			0	0	2	0	Rain	West Plains, Howell County	May 10	should be May 3								
Alleghany County	1	Night			0	0	3	0	Rain											
JULY 1979																				
Sheppards (nr), Buckingham County	2	6:30 p	0.5	20	0	0	3	0	Tornado	Windsor, Henry County	July 18	should be July 11								
Dayton (nr), Rockingham County	2	Nr 6:30p	1.1	35	0	0	4	0	Tornado	TEXAS SOUTHERN										
South Central	2	4:30 p-9:00 p			0	0	5	4	Hail, Wind, Rain	Deer Park, Harris Co.	12	9:30 am	1/2	20	0	0	0	0	0	Waterspout-Tornado
Northern and Western	10				0	0	6	0	Snow	A long waterspout formed over Houston Ship Channel waters in southeast Harris County near developing morning showers. This particular spout continued to grow into a rather large one as it moved northwestward through the channel. It went ashore between Deer Park and Lomax, traveled about 100 yards before dissipating, and apparently caused no damage as it missed structures at the Dupont Company plant. It lasted several minutes and was well photographed from Deer Park.										
<p>Cold front generated severe thunderstorm activity as it swept across the state. Golfball-size hail, heavy rain and winds gusting up to 51 mph hit in the Lynchburg area around 4:30PM, with many basements reported to be flooded. At about the same time hail the size of golfballs caused considerable damage to roofs, windows and tobacco crops in the area between Danville and Chatham in Pittsylvania County. At around 9PM power outages occurred in Halifax and Charlotte Counties, while in the Richmond area high water forced the closing of several streets. Damage estimate: Hail...\$15,000; Rain...\$4,000; Wind...\$10,000.</p>										<p>0 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</p>										
<p>Unusual early-season storm brought either the earliest measurable snow or the worst early-season snowfall to many sections. Trees suffered considerable damage due to the fact that many were still fully leafed-out, the weight of snow pulling them to the ground or causing substantial limb breakage. Power lines were staggering, with over 200,000 homes without electricity for up to days in some sections. In the Skyline Drive area as many as one out of four trees was damaged, necessitating the closing of the park due to blocked roads and the stranding of 200 to 300 people. Snow depths were the greatest in the highlands of the northern portion of the state, with depths of 6 to 10 inches common. In Shenandoah Park a foot or more was measured, with Big Meadows on Skyline Drive reporting 17 inches. Amounts of 1 to 2 inches were prevalent over the higher elevations to the southwest, while east of the mountains in the northern portion amounts ranged from 3 to 6 inches of wet snow. A mixture of snow, sleet and rain fell in the Richmond vicinity, while precipitation was in the form of rain over the south central and southeast sections. Total damage was estimated at over \$1,000,000.</p>										<p>Note: This publication contains our best information on storms but, due to the difficulties inherent in collection of the type of data, it is not all inclusive. Late Reports and Corrections will be carried in the month following receipt of these data.</p> <p>SUBSCRIPTION PRICE: \$4.80 per year; \$12.00 foreign; 40c single copy; \$1.00 foreign. There is a minimum charge of \$3.00 for each order of shelf-stocked issues of publications. Make checks payable to Department of Commerce, NOAA; send payments and orders to: National Climatic Center, Federal Building, Asheville, NC 28801. Attn: Publications.</p> <p style="text-align: right;">USCOMM-NOAA-ASHEVILLE, N.C. 1980-1700</p>										

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