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ALEXANDER B. TROWBRIDGE, Secretary
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STORM DATA

NOVEMBER 1967

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ASHEVILLE: 1967

STORM DATA AND UNUSUAL WEATHER PHENOMENA

NOVEMBER 1967

PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM	PLACE	DATE	TIME - LOCAL STANDARD	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS		ESTIMATED DAMAGE		CHARACTER OF STORM
					KILLED	INJURED	PROPERTY	CROPS							KILLED	INJURED	PROPERTY	CROPS	
ALABAMA										HAWAII									
Anniston, Calhoun County	22	4:00p	3	?	0	2	5	0	Tornado	Hawaiian Islands	2-11				0	0	3*	C	Wind
Tornado first observed about a mile from southwest edge of city, skipped eastward across city with damage mainly in an 8 block long area. About 50 homes damaged, several of them severely. Lumber yard and fourty had extensive damage.										Unusually strong trade winds resulted in minor crop and structural damage, several power failures. Gusts to 40 miles an hour common, to 50 miles and more in higher exposed locations. Gusts estimated near 100 miles an hour blew down 2 television antennas on 2,800-foot Mt. Kahlili, Kaula on 4th. On 7th, 2 plate glass windows blown out in Honolulu and light plane flipped over by 45-mile gusts at Kamuela Airport, Hawaii. Honolulu Airport had windiest month in at least 5 years.									
Huntsville, Madison County	24	1:05p	5	75	0	7	5	0	Tornado	Knudsen Gap, Kauai	18	Morning			0	0	?	0	Lightning
Tornado struck southeast part of city unroofing 2 houses and garage then moved southeast and dipped down in Big Cove Community about 7 miles away where 1 house and 2 barns were demolished, several houses damaged. Two trailers overturned and damaged injuring occupants.										Lightning shattered pole, interrupting power for 4 hours on west side of island.									
Phenix City, Russell County	25	7:15p			0	0	4	0	Hail, Wind	North Shore, Oahu	19-20				2	0	0	0	High Surf
Hail over 2 inches in diameter fell briefly. High winds blew down power lines, uprooted trees, damaged several buildings. All damage due to wind.										Two servicemen drowned in surf up to 30 feet high on afternoon of 19th, and many others rescued.									
ALASKA										Kauai									
Strong wind storms occurred the 2nd, 3rd and the 12th of the month in Upper Cook Inlet area, velocities exceeded 100 knots in the Anchorage area. Considerable roof and small building damage occurred, as well as glass damage. Two Climatological instrument shelters were blown away and destroyed. One home under construction was blown from its foundation and demolished. Gale force winds were reported along the Aleutian Chain, no damage was reported from that area.										4 0 Wind									
ARIZONA										None reported									
ARKANSAS										No report received by printing deadline									
CALIFORNIA										Naalehu, Hawaii Island									
Northern and central California	18				0	0	4	0	Lightning	26-27					0	0	5*	C	Heavy Rain
Severe lightning storms moved through area damaging homes and power lines. At Yreburg a store was struck and burned to the ground.										Severe flooding occurred as rock-plugged flood control ditch overflowed. Damage of \$46,500 to plantation grounds and roads alone. Flood termed "worst in 40 years".									
Southern California	18-20				2	0	6	0	Heavy rain	IDAHO									
Heavy rain caused flooding and mud slides, especially in areas recently burned over. More than 100 persons were stranded in the mountains when roads were washed out. One boy scout was buried in a mud slide, and another was drowned by a flash flood. Numerous traffic accidents were reported; some were fatal. The total precipitation at some mountain stations approached 14 inches.										None reported									
San Nicholas Island										ILLINOIS									
21 2:40 p.m. Pilot reported observing a waterspout northwest of San Nicholas Island.										None reported									
COLORADO										INDIANA									
None reported										None reported									
CONNECTICUT										IOWA									
Southeastern Sections	18	5:00p.-7:00p.			0	0	4	0	Wind	KANSAS									
Strong gusty winds downed trees and some power lines and destroyed a garage in Pawcatuck.										None reported									
DELAWARE										KENTUCKY									
Central portion	30	About 8:00 a.-9:00 p.							Heavy snow	Metcalfe County	22				0	0	?	?	Hail
A record or near record one-day snow gave totals generally 7 to 9.5 inches. Most of the snow fell within a 12-hour period. Elsewhere in Delaware, totals ranged from 5 to 7 inches in the northern portion and from 2.5 to 7 inches in the southern.										Hail 3/8 to 1/2 inch in diameter accumulated 3 to 6 inches in depth on the ground 2 miles north of Summer Shade.									
FLORIDA										LOUISIANA									
None reported										None reported									
GEORGIA										MAINE									
Bremen and Villa Rica	22	6-6:30 p	12	?	0	2	4	0	Tornado	Northwestern	18-19				0	0	4	0	Snow
First damage was reported at Bremen, in southern Haralson County, where one house trailer was destroyed and several others damaged. Barns were blown down and numerous trees were uprooted in and around Bremen. Additional major damage occurred near Villa Rica, about 12 miles east of Bremen. A garage, 2 homes and a house trailer were demolished in this area. Several more homes were damaged and many trees uprooted. Electrical service was interrupted as lines were knocked down by falling trees. Two people were slightly injured. Storm moved eastward.										Local areas of early-season heavy snowfall, with 8-10 inch depths, hampered traffic, broke tree limbs, and caused utility outages.									
Atlanta, 10 miles Southeast	24	4:27 p							Funnel Cloud	State	24				0	0	4	0	Wind
Reported by a pilot.										Scattered and mostly minor damage to trees, limbs, utilities, etc.									
Columbus	24	Evening			0	0	4	0	Wind	MARYLAND									
High winds destroyed one airplane, damaged several trailers and caused other scattered damage in the Columbus Area.										Metropolitan Washington D. C., central Maryland and central Eastern shore									
Haralson County, Near Buchanan	30	7:35 a	?	?	0	0	4	0	Tornado	A record one-day snowfall for many stations in this area gave totals generally 7 to 12 inches. Most of the snow fell within a 12-hour period. As a result, this November was also a record maximum for many stations. Elsewhere in Maryland, totals ranged from 6 to 9 inches in northern areas and from 1 to 6 inches in the southern.									
Several house trailers and garages damaged. Trees uprooted. Roofs of several houses damaged.										MASSACHUSETTS									
Hartwell, Near	30	9:30 a							Funnel Cloud	Central and Eastern	15				2	0	4	0	Snow
Reported near Hartwell Dam by Corps of Engineers.										Though little or none fell in the Connecticut Valley and extreme southwest, and only 1 to 3 inches in the northern Berkshire area, elsewhere snow accumulated to unusual depths for so early in the season. Much of the central and eastern portions received 4 to 8 inches. Locally 10 to 13 inches fell in the northern portions of Worcester, Middlesex, and Essex Counties. The Cape Cod area also received unusual amounts, though mostly less than 4 inches. Many stations set new record totals for so early in the season. Though Boston measured only 4.2 inches, this was the most so early since 1894. Over most of the state, snow fell in the early morning hours, in time to hamper and tie up morning rush hour traffic. At Boston and many other coastal locations, however, the snow was heaviest just in time for the evening rush hour. This area developed one of the worst									

See reference notes at end of table.

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					KILLED	INJURED	PROPERTY	CROPS	
MASSACHUSETTS (Cont'd)									
									<p>traffic jams of local history. Thousands of commuters were stranded in Boston. Many motorists who got to suburban homes did not arrive until well past midnight. Combined with the unusual slippery nature of the snow was the unpreparedness of the motorists, with stalled cars completely blocking traffic even for properly equipped vehicles. Some students were marooned at school overnight. Two deaths from heart failure were attributed to the storm. Snow loading with some wind broke tree limbs and caused utility failures.</p>
Attleboro	18	Evening			0	0	4	0	Lightning
									Radio transmitter tower damaged.
North Middleboro	18	8:15 PM	25	0	0	0	2	1	Tornado
									Damaged a greenhouse and house, uprooted trees, etc., in very small area. Funnel touched surface but briefly, from the southwest. Preceded by hail and lightning.
MICHIGAN									
Gobles area, Van Buren County	5	AM			0	0	3	?	Heavy wet snow
									Heavy snowfall, up to 12 inches, did extensive damage to some orchards near Gobles, where snow accumulations snapped off fruit tree limbs. On October 27 similar, but less extensive damage occurred in this area.
MINNESOTA									
									None reported
MISSISSIPPI									
Coshoma County	1	Before LPM			0	0	0	0	Funnel Clouds Aloft
									As a severe thunderstorm moved towards NE, public reported two funnel clouds aloft 10 SE Clarksdale (lat. 34.1°N, long. 90.5°W) 3:42 PM. Mississippi Highway Patrol in vicinity indicated pointed clouds aloft and some roll type moving NW. A car was said to have been blown off road just north of Lyon (3 N Clarksdale) otherwise no reports of damage received.
MISSOURI									
									None reported
MONTANA									
									None reported
NEBRASKA									
									None reported
NEVADA									
									None reported
NEW HAMPSHIRE									
State	15				3	0	4	0	Snow
									An early-season snowstorm produced totals from 1-6 inches near the Connecticut River to 6-12 inches over most of New Hampshire. Greater local totals included 16 inches in the south-central portion and at Fabian in the north. Cannon Mt. reported 21.3 inches. For many stations this was the heaviest snow of record so early in the season. Many schools closed or were dismissed early. Traffic problems were multiplied when many cars, caught unprepared, were stalled and abandoned, blocking all traffic. Many skidding accidents. Three deaths from heart failure were said to have been triggered by the storm. Some tree limbs broken by snow loads, affecting utility lines.
NEW JERSEY									
									None reported
NEW MEXICO									
									None reported
NEW YORK									
Lake Erie and Southwest	5-8	a. m. to a. m.							Snow
									First severe lake-effect snowstorm of the 1967-68 season. With the major portion falling on the 5th and 6th and moderate amounts on the night of the 7-8th, snowfall yields of 15 to 25 inches were general in Chautauque, southern Erie and western Cattaraugus Counties. Maximum amount reported was 28 inches at Mayville, Chautauque County. Total storm amounts decreased to near 8 inches Buffalo area, 3 to 6 inches Wyoming and eastern Cattaraugus Counties and traces in Niagara and Orleans Counties. New York Thruway through heavy snowbelt closed most of one day as alternate highways became clogged with stalled, crawling traffic. Many schools and industries closed on 6th. Usual rash of traffic accidents.
Tompkins and Tioga Counties	12	11 a. m.					4		Electrical
									Lightning-caused fires destroyed home at Enfield, Tompkins County and large dairy barn at Berkshire, Tioga County. Bolt struck spire of Catholic Church at Ithaca during Mass; plaster fell on parishioners but worship service continued. Spire sustained minor fire and structural damage and metal roofing ripped. Lightning and thunderstorm activity reported widely over the State during
NEW YORK (Cont'd)									
Great Lakes	27-29	p. m. to early a. m.							Snow
									morning and afternoon but damage apparently negligible. Hail up to 7/8-inch diameter observed about noon at Buffalo.
									Heavy snowfall from lake-effect squalls began eastern lee of Lake Erie on 27th, shifting to eastern lee of Lake Ontario, Tug Hill and western Adirondacks on 28th. Storm totals of 29 inches recorded at Little Valley in southwest with 3 1/2 inches at Bennetts Bridge and 37 inches at Boonville, east of Lake Ontario. Amount at Boonville ended month with heaviest snowfall total of any month in 19 years of record: 84 inches for November 1967. Elsewhere storm totals 10 to 20 inches generally in Chautauque, Cattaraugus, Oswego, Oneida, and Lewis Counties with 8 to 14 inches western Adirondacks. Winds up to 35-40 mph, accompanied squalls, causing considerable drifting. Schools, highways, etc. closed over much of affected area.
Coastal	30	p. m.							Snow
									Storm moving across mid Atlantic States yielded 3 to 5 inches of snow to New York City and Long Island for the heaviest November snowfall since 1955. With streets and highways glazed, traffic in metropolitan area was greatly hampered, if not temporarily halted, and a rash of accidents occurred. Air traffic delayed or cancelled at major airports.
NORTH CAROLINA									
Southern Coastal Plain	24	8:15 to 10:15 pm			0	4	5	4	Wind, electrical
									Thunderstorms in connection with a passing low pressure storm caused damaging winds over about ten counties. Damage was extensive, but mostly to relatively fragile frame buildings, and mobile homes. One woman injured seriously, three other persons received minor injuries requiring hospital treatment, in two separate cases of mobile homes overturned. Wind gusts to 60 miles per hour reported at Weather Bureau Airport Station, Wilmington. One home destroyed by fire attributed to lightning. Some damage to corn, cotton and soybeans remaining unharvested in fields.
NORTH DAKOTA									
									None reported
OHIO									
Ashtabula, Geauga, and Lake Counties	5-6	3:00a on 5th to 10:00a on 6th						?	Snow
									A severe early season snowstorm blanketed northern portions of Lake Ashtabula, and Geauga Counties. At 8 AM on the 6th, Conneaut, Ohio had 37 inches of snow on the ground. At the same time, snow depths of 1 to 2 feet were reported along Lake Erie and within an area extending to about 20 miles southeast of the lake in the above mentioned counties. The heavy snow resulted in (1) school closings, (2) some 250 Boy Scouts were stranded in a camp near the Ashtabula-Geauga County line, (3) snow emergency being declared in Ashtabula, (4) general slowing of all traffic.
OKLAHOMA									
									None reported
OREGON									
									None reported
PACIFIC									
Ulithi, Yap, Palau Islands	31-2				0	0	0	0	C Typhoon
									Typhoon EYMA, first discovered as a tropical depression 300 miles ESE of Yap Island on October 31, passed south of Palau, Ulithi, early on the morning of November 1. Gusts to 52 miles an hour damaged papaya and banana trees. At 10:00 a.m., EYMA passed 50 miles south Yap, which recorded a fastest mile of 61 miles an hour, and suffered \$635,000 in property damage from wind, rain, salt spray and high seas. Coral causeways were washed out. EYMA, now a typhoon, passed north of Palau on night of 1st, where Koror had gusts to 55 miles an hour with heavy rain but only slight damage.
Kwajalein	2	4:13 p., 4:30 p.			0	0	0	0	Waterspouts
									Waterspout 7 miles west of weather station, and just south of westward moving moderate to heavy rain shower, dissipated at 4:23 p.m. Second spout, near heavy cumulus and small cumulonimbus, formed at 4:22 p.m. and dissipated at 4:30 p.m.
Rota, Saipan Marianas Islands	13	Morning			0	8	5	?	Typhoon
									Typhoon GILDA, first detected as tropical depression near Ponape afternoon of 8th, moved northwestward intensifying rapidly to typhoon strength night of 10th. GILDA passed over Rota Island 43 miles north-northeast of Guam about 10:00 a.m. of 13th, with gusts to 170 miles an hour reported there, and fastest mile 40 miles an hour at Weather Bureau office, Guam. On Rota, 80 percent of buildings estimated severely damaged or destroyed, all crops wiped out, 8 persons injured. Damage to public buildings estimated at \$350,000. All water, power out; serious food shortage expected. On Saipan, gusts to 60 miles an hour unroofed several houses and damaged crops and trees.

See reference notes at end of table.

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					KILLED	INURED	PROPERTY	CROPS	
PACIFIC (Cont'd)									
Tinian, Saipan Marianas Islands	19	Afternoon			0	0	?	?	Typhoon
The third typhoon to enter the area in 2-1/2 weeks was first located as tropical depression near noon on 17th, about 140 miles SSE of Ehiwetok. It moved west-northwest, becoming Typhoon HARRIET on afternoon of 19th when just ESE of Tinian Island, which reported gusts of 100 miles an hour, as storm passed few miles south, disrupting power, water systems and doing minor structural and crop damage. On Saipan, five houses blown down, some roof tops lifted by 55-mile winds.									
PENNSYLVANIA									
Eastern Counties	12	late afternoon					5		Wind-Thunderstorm
In Montgomery County wind toppled a tree onto three automobiles in Wynote, inflicting extensive damage, and tore away a smoke-stack and exposed a flue to cause a small roof fire at a North Wales asbestos plant. Lightning knocked a large hole into the side of a Norristown home as a Rozen window shattered from the blow. Damage was estimated at \$400. Gusty winds caused considerable damage in the Scranton area, knocking over a house under construction and toppling a cinder-block wall at another construction site. Power failures were extensive. Glass windows were broken at several Scranton business establishments. Three cars and a home were damaged by a wind-uprooted tree.									
Clinton County	18	noon					3		Lightning
Lightning caused considerable electrical damage in three Lockport houses while concussion from the strike broke 73 windows in ten homes.									
PUERTO RICO									
San German - Cabo Rojo - Hornigueres	20	2:30 p.	12		0	0	3	4	Thunderstorm
This storm could also be classified as local tornado, except that nobody saw any funnel cloud. Some areas in the 3-towns mentioned received very strong winds, heavy rains and lightning, causing damages to crops, (especially sugar cane), blowing down some trees, power lines, posts and unroofing some small houses and barns.									
RHODE ISLAND									
Statewide	15	AM			0	0	0	0	Snow
Unusually early snowfall with accumulations up to 5 inches in some places during the height of the morning rush hour caused a rash of skidding accidents and forced most schools to close.									
Statewide	18	4:30p-7:30p			0	0	0	0	Wind
Strong winds, accompanying sharp thunderstorm activity, downed signs and trees. Power and telephone failures for short periods were common. Several plate glass windows were blown in.									
SOUTH CAROLINA									
Richland County	24	7:10 p.	1	40	0	0	5	0	Small tornado
Tornado touched down about 12 miles ESE of Columbia just west of McEntire NG Airbase. Moved from southwest to northeast into the edge of the Airbase. Trees and farm buildings damaged or destroyed. Aircraft and equipment was damaged at the Airbase.									
Florence County Billion County	24	8:00 p.			0	0	4	2	Windstorm
Strong winds along with some hail and heavy rains damaged several tobacco barns in the Effingham-Florence area and did minor crop damage. A loud roar accompanied high winds in Billion but a power outage was the only damage reported.									
Horry County	24	9:30-10:00 p.	3	100	0	1	4	2	Tornado and windstorms
The northwestern half of Horry County experienced general high winds, heavy rain and some hail. A tornado struck 5 miles southeast of Aynor and destroyed 33 rural buildings, mostly packhouses and tobacco barns. One home was destroyed but no one was injured. A man was injured in the Green Sea area, about 12 miles northeast of Aynor, when high winds overturned his trailer. The trailer caught fire and the man was pinned down temporarily and received severe burns before escaping. Some other minor damage occurred in this area.									
SOUTH DAKOTA									
None reported									
TENNESSEE									
Smithville, De Kalb County	22	p.m.			1	0	0	0	Lightning
Boy (6 years) struck by lightning as he ran for shelter during a thunderstorm. Two other persons shaken by the same bolt.									
TENNESSEE (Cont'd)									
Davidson, Coffee, Hamilton, Anderson, and Sullivan Counties	22	p.m.			0	0	5	0	Wind, Rain, Hail
Sudden violent thunderstorm winds and heavy rains caused scattered property damage. Wind damaged roofs, knocked down trees and power lines. Principal wind damage area centered at Tullahoma, Coffee County and Nashville, near Antioch. In Tullahoma, two barns collapsed, windows broken and telephone lines were snapped. Wind damaged porches, roofs and carpets in Antioch area. Pieces of tin, tree limbs, and other debris were lifted aloft during the brief, but severe thunderstorms. Small hail stones accompanied the storms. Largest hail reported was about 1/4 inch in diameter.									
TEXAS									
18ESE McAllen Hidalgo Co.	11	5:34 p							Funnel aloft
A cone shaped twister ripped into the Last Chance Motel about 08:30 a. MST completely destroyed the motel and scattered furniture and bedding for hundreds of yards. No injuries were reported. Over 15,000 dollars damage to structure.									
UTAH Emery, Emery County	2	06:30 a		20	0	0	4	0	Tornado
not known									
U. S. VIRGIN IS.									
None reported									
VERMONT									
None reported									
VIRGINIA									
Virginia Beach, Princess Anne County	23	1020 a.	short narrow		0	0	3	0	Windstorm, funnel aloft
Public reported funnel "looked like an ice cream cone bent at bottom." A shed was destroyed by wind, 2 houses damaged, and a number of trees were down in the area.									
WASHINGTON									
No report received by printing deadline									
WEST VIRGINIA									
None reported									
WISCONSIN									
None reported									
WYOMING									
None reported									

- ° Includes crop damage.
- C Crop damage.
- † 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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