# U. S. DEPARTMENT OF COMMERCE LUTHER H. HODGES, Secretary WEATHER BUREAU F. W. REICHELDERFER, Chief

# STORM DATA

JULY 1961 Volume 3 No. 7



	,						_								,				JULY 196
			PATH	Ę		OF SONS		ATED1 IAGE					PATH	長	NO. PER		ESTIM DAM		*
PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF 1 (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
ALABAMA										ARIZONA (Cont'd.)									
Birminghem		fternoon killed wi	ile s	ending	1 unde	r a t	ree st	ruck t	Electrical lightning.	Tucson	55	3:00 p.		ån mi	0	0	5	0	Wind, rain, funnel cloud
Headland, Henry County		fterncon red while	stan	irg un	der a	l tree	struc	k by 1	Electrical ightning.		ara	e structur pyos. Tot	al dar al dar	age es	ever imat	l ca d ab	rs wer	wash 5,000	s had roof and ad away in flooded of which about rm moved in, a
Coffee Springs, Geneva County	13 Woma	n struck	by li	htning	1 on b	ank o	Gene	va Cou	Electrical ty Lake.		fur	nel cloud funnel wa	was si s abou	ghted t	eet a	sou bove	theast groun	of to	m. The tip of was not seen to by heavy rain.
Mobile	Wate				les s	outh-	southw	est of	Waterspout Bates Field.	Lakeside	١.	Afternoon		50202	1	1	0	0	Lightming
Ford City Community	20 1		ST TO	east.		1			Flectrical			9-year-old a lightnin			ed an	d hi	8 80n	knocke	d unconscious
Colbert County	CH T	ftermoon struck t	y ligh	tming	hile	work	ing in	field	Waterspout	Tucson	1	4:15 p.	derste	arm acc	0 mpan	1 ed b	5 v hail	0 heav	Possible tornado, hail, rain y rain and a
Mobile	Wate				20 m	les	east o	Broo	kley Field on		pos	sible torr Lities. E	ado di roperi	d about y damag	\$100 e wa:	),000 hea	damag viest	e to h in the	mes, streets and Flecha Caida ely destroyed.
Birmingham	Furr	:00 p el cloud ort.	obser	ed bri	fly :	about	5 mll	es nor	Funnel aloft th of the Municipal	Sentinel, Aztec, Date-	An	B-year-old	girl	suffere	da!	ead 1	injury 3	from	lying debris.
Mobile	22 3	:05 p	gerve	10 m²	ge e	outhe	ast of	Brook	Waterspout ley Field moving	land	Sta	1 1	demol:	ished Hi om cafe	ghwa	y Dep	artmen	t Engi	neering Camp,
Mobile	nort	h-northwe		10 11.			230 01	100	Funnel Cloud	Parker (7 miles north)	١.	7:45 p.			0	0	4	o	Rain
		el cloud	obser	red ESE	of B	ates	Pield.					vy local z age to box		looded	Para	ii se	Harbor	, caus	ing about \$10,000
ALASKA			None	repor	tea				1	Bisbee	31 Hea	Afterno vy rainfal		oded Bre	0 wery	Oulc	h, can	O sing a	Rain bout \$10,000
ARI ZONA										10/10/10		age, mosti							
Tucson (30-50 miles N		В:40 р.			0	0	3	٥	Hail	ARKAMSAS Jefferson County	14	8:00 as			0	0	0	0	Funnel cloud
Tucson	P11ct	reported	lone−i	inch hai	1sto	oes.	Some .	Bamage 0	to aircraft.		P11	ot reporte	funn	el alou	a 20	mile	norti	east	f Pine Bluff.
	Stron	g winds k					vie sc	reen.		Hope, Hempstead County	14	7:30 p.	1	* 1	0	0	5	0	Wind, rain
Clendale (near)	16	9:00 p.			0	0	5	0	Lightning		Dem	8:15 p.	fined	to the	City	of E	ope.	The st	orm moved from
	A lig	ntning-is can Insti	mited tute	fire de	stroj en Ti	red a			building at the		roof	northwest	to th	south	east. Tees	The Re	re was	exten	sive damage to
Mobile	17	4:00 a.			0	0	0	0	Funnel cloud		G STORE	ged and w	ndows	broken	. Se	veral	stree	ts wer	e roofs were e temporarily
	Pilot	reporte	funn st of	el cloue Phoenix	d, no	ttou	ching	ground	, about 35 miles	Weshington County	15	7:00 p.			0	0	5	4	Mada Nati
Elgin (7 miles E)	18	6:30 p.			0	2	2	0	Wind			to 7:15 p.							Rain, hail
	Stron	g winds, w injurin	accomp ig 2 ch	anying ildren	thun	lerst	orm, b	roke a	large plate glass		prin	cipally in	the t	<b>vicinit</b> i	es of	Spr	ingdal	s, tan	of the County, titown and Goshen.
Tempe	19	7:20 p.			٥	0	o	0	Funnel cloud		8.V01	aging one in diame	half	inch in	diam	ter,	with	n Lea	s hail with stones to three-fourths
Tueson	21	sighted Evening	funne.	. cloud	over	Temp	a. Di	not	touch ground. Wind and rain	CALIFORNIA									
140000	Stron	g winds a	nd rai	n did a	bout	\$10,	000 da	_	p homes, trees	Orange County		forencon htning str	nick at	nd kille	l da	i 4 fishe	man a	0 tiledo	Thunderstorm ndo Beach.
T	and u	tilities. Afternoo		ly all	dama 0	ge by	wind.		n-1-		bur	med out a io off the	numbe:	of por and sta	er t	rans f seve	ormers ral fi	, took res.	the police There was an
Tucson		rain ca		out \$30	-	dama	ge to	0 city s	Rain treets.	,	12:	onfirmed : 41 p.m. P Angeles (	Tby	pilot	funn 15 m	ol cl	oud ha east o	d been f Pear	sighted at blossom, in
Pinal County (central	i	`			0	0	Ų	Į.	Hail, wind, rain	Northern California	12	Migates 6	ouncy		0	2	3	0	Thunderstorms
and north-central)	Appro	mimately	500 ac	res of	cott e La	n in Palm	the M	were agma-Q	neen Creek area damaged. Most		Wid	espread thes, power	under Jines	storm as	tivi	ty re	sulted	in da	mage to forest and
	of the La Pai	e damage lma area	was di where	e to ha	ul. lestr	Heav ctio	lest d n was	amage total.	occurred in the About 100		SX.E	ss fires s	tarte	i. Two	pers	ons i	njured	when	their tent
	about	were als	crop	damare	abou	\$25	.000.	What	damage appeared to be n the Toltec	CULORADO									
ļ	Butte:	area (n	ear El	oy) dur	ing	he s	torm.			Eastern Portion and Southwest Corner		Afternoon			1	4	5		Hail, lightning & wind
Phoenix and Clendale	ĺ	e was he	avies	in the	nor	- 1	S and w		Wind, rain, possible tornado sections of		e.reas	in north	aster	n Colo.	dama	ged p	ropert	y and '	ind over scattered crops. Lightning southwestern Colo-
	Phoen resid	nix and i dences, b	n Gler usines	dale. s estat	Stron lish	ng wi ments	nds and , and (	i heav itilit	y rains damaged les. Several		Hail Count	was most ies. In	he Yu	in Logo na area	n, S	edgwi estim	ck, Wa ated l	shingt osa wa	southwestern Colo. on, Yuma and Weld s around \$1 million
;	auto:	nobiles w stimated	ere wa at ai	shed do	ып f] 0000,00	loode , wi	l arro	yos. idditi	Damage in Phoenix onal \$25,000		and h	eavy loss leath by 1	s in	Weld Co	nty. mn w	The	re wer	e seve	ral injuries and f Ft. Collins,
1	dama; and d	re in Cle lamaged a	ndale. numbe	A pos rofai	sible rerai	tor t at	nado d Deer	stroy Alley	ed two hangars Airport about		when Four	lightning men were	struck	k a tree	und tnin	er wh	ich he	had a	ought shelter. rns in the vicinit
	6:15	p.r. The	e desc format	ription	s gi	en b	seve	ral ai	rport personnel		of La damag	s Animas. e near Yun	Ther a, wh	e was e ch may	viden have	beer beer	funne cause	1 cloud d by a	ds and some wind small tornado.
	that.	a small	tornad	o may h	ave d	auser	the i	lectm	tion	I	1 4 4	Indone and I	and d	d much	deme	e to	telen	hono d	nd power lines.

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			PATH	Ħ		OF SONS		ATED <sup>†</sup>	CHARACTER				РАТН	Ħ,		OF	ESTIM. DAM		CHARACTER
PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM	PLACE	DATE	TIME	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
COLORADO (Cont'd.	1									CONNECTICUT Suffield, Hartford	وا	7:30p to			0	0	0	h	Hail
Summit County	4 Amar	1:30PM and his	daught	er were	2 kill	O ad wh	en sti	uck by	Lightning lightning at an	County	,	8:30p (EDT)				0		4	URIT
	eleve	tion over enridge.	14,00	D ft. o	ı Qua	ndary	Peak,	five	miles southwest of		Thre some	e-quarter damage to	inch h shade	ail cau tobacc	sed s	eriou ps.	s dama	ge to	broadleaf and
Arkansas Valley	7	Late Afternoor			0	0	4	4	Thunderstorm	Willimantic, Coventry, Mansfield;	31	5:20p to 7:30p			0	0	i,	0	Thunderstorm
		rain in	scatte						railroad bridge up to 5 inches	Tolland County	Ligh	(EDT)	excess	ive rai	n kana	ckeď	out po	wer or	telephone
	of re	in fell :	in the	vicinit treets	v. A	t Man oads	zanole	, east	of Pueblo, a		serv	ice to 350	homes	, cause	d can	cella	ation o	f shif	ts for 650 e than 700 feet
San Luis Valley		Unknown all tire	hail o	Aused e	0 ktens	0 live d	amara		Hail ps in the vicinity	DELAWARE	or n	ignway, si	newal.k	s and s	torm	sewei	ts.		
	of ti	e Alamosa	Rio G	rande C	bunty	line	•			Dover area, Kent	16	?	?	?	0	0	4	?	Severe thunder-
Weld County		Near Midnight			0	0			Hail and wind	County									storm, windstorm
	farm		C MTIIT	kin. R					age to several beans, corn and			olent rai e trailer							area flipping trees.
Bast-central Colo.	10	Afternoor	1		0	0	<u>,</u>	5	Hail	PLORIDA Orlando	2	5:05 p.			0	0	0	ò	Funnel Cloud
									enne and Lincoln	Orange Co.	2	4:03 p.			o	0	0	0	Funnel Cloud
	east	of Burliz	ngton w	1 8070	re, 1	t den	olish	d wher	ne near Peconic, t, corn and other rop damage was	Recambia Co.									
Pueblo and Huerfano	heav	in the	un zano						Hail	Titusville, 10 SW Brevard Co.	4	1:55 p.			0	0	0	0	Furmel Clouds (2)
Counties	1 -	Evening		vere ha	ľ		up to		amage to ready to	Miami, 30 NNE Palm Beach Co.	5	9:25 a.			0	0	0	0	Funnel Cloud
	harv	est wheat Pano Coun	in an tynear	area in Rye.	sout	hern stime	Puebl	o. Coun:	y and northern to wheat was	West Palm Beach, 20 W	5	l:45 p.			0	0	0	0	Punnel Cloud
	arou	1000. La nd 6:30pm	ter in doing	the day	to w	ther heat	hail and o	ther o	started at Gardner	Palm Beach Co.					1	0	0	0	Ti abtains
Las Animas County	14 A to	4:15PM	sighte	d in ea	0 st-ce	0 ntral	Las .	Animas	Tornado County on the	Clair-Mel City Hillsborough Co.	5	After- noon		Ì	1	U	"	Ů	Lightning
	nort		Fowler						about 8 miles	Orlando Orange Co.	5	After- noon			0	1	0	0	Lightning
Arkansas Valley		Afternoon		*4	0	0	<sup>17</sup> Wo		Hail ugh an area east	West Palm Beach, 10 N Palm Beach Co.	6	10:55 a.			0	0	a	٥	Funnel Cloud
•	of 0	lney Sprin ted at 50;	ngs. I	osses t	o cor	n, al	falfa anied	and r	w crops were es- to 3 inches of	Apalachicola, 20 55	6	10:00 a.			0	0	0	٥	Waterspout
	rain over	which ad large ar	ded to	the los	a. I	ightr	ing c	used	power failures	Franklin Co.	_	3.75			0	٥	0	0	Funnel Cloud
Logan and Phillips Counties	20 Hail	Afternoon accompan		wind an	O hd hea	0	3 in ba		Hail, wind & rain crops in an area	Ft. Fierce, 5 NW St. Lucie Co.	7	1:15 p.							Families Cloud
}	from	Sterling	to Pad Logan (	ironi, a County 1	nd ir 121 s	the	vicin of be	ty of	Holyoke and re heavily damaged	Panama City, 4 NW Bay Co.	9	8:29 a.			0	0	0	0	Funnel Cloud
	by h	411, 50%	by floc	ding.	Damag	e at	Holyo	ke and	loss was caused vicinity was from	West Palm Beach, 10 NE	10	7:04 a.			0	0	0	٥	Waterspout
Paonia area	21	Noon	ng ano	neavy r	0	iner	e wer	4	property losses.	Palm Seach Co.  Jacksonville, 15 SE	12	5:25 p.	Short	Narrow	0	0	0	اه	Tornado
	Hail dama	ged apple	, apric	pt, plu	n and	al cl peac	h cro	some	areas, severely an area cast of	Duval Co.	Pil	ot report	funne	l cloud	ì	hed	ground	brief:	y in uninhabited
	Paon	ia. Some	grower	rs had 1	100% 1	oss	f fru	t and	many had minor	Wan abada		a. No da	1	l	0	0	3	0	Tomado
Estes Park	A bo	12:30PM lt of lig	htning	struck	1 and h	l illed	one	pan sun	Lightning injured another,	Wauchula Hardee Co.	14 Sev	6:00 p.	ļ.	İ		ŀ			
korgan County	whil	Afternoon	re fish	ding at	Lake	Estes	•			Orlando, 15 WWW	16	6:35 p.		ļ	0	0	0	o	Waterspout
anran county	A ha	lstorm s	wept th	rough t	he Hi	llros	e vic	inity,	hail causing damage to Many fields of	Orange Co.	16	6:53 p.			0	0	0	0	Waterspout
	corn	and bean	s were	wiped o	ut.					Leesburg, 5 S Lake Co.	1.00	0.77 p.							Waterapeas
ipper Arkansas Valley	27	4:00FM- 5:00FM	the Sa	ide	Con	0	4		Heavy rain	Pensacola Escambia Co.	18	9:15 a.			0	0	0	o	Funnel Cloud
	811d	is along t	the hir	hway th	at fo	n lows	the .	drivense	sed rock and mud s River. About lide and Canon lity	Panama City Bay Co.	18	1:25 p.			0	0	0	٥	Funnel Cloud
forgan and Denver	1	Evening			0	0	4	1	Electrical and	Naples	18	5:40 p.			0	0	0	٥	<i>ïi</i> sterspout
Counties	ieav;	rain, wi	ind and	lightn	ing s	wept	throug	h More	heavy rain an County, doing thing struck trees	Collier Co.						_		,	Wat and
	and a	ntennas.	in De	hver, h	eavy	rain	and 1	ghtni:	g disrupted power	Tampa, 15 S Hillsborough Co.	19	11:45 a.			0	0	0	0	Waterspout
esa County	31	Afternoor	1		1	1			Lightning	Key West Monroe Co.	19	3:08 p.			٥	٥	0	0	Waterspout
	n bol inju	t of lighted on Isl	and La	struck ke on 3	and k	ulled Liesa.	e. Woz	an and	left her husband	Miami Dade Co.	21	6:00 p.			0	0	0	٥	Funnel Cloud
Corthern Colo. near Continental Divide	)	Afternoon	ļ		0	1	•4	1	Electrical and	Pensacola, 25 NW	24	10:55 a.			0	0	D	0	Funnel Cloud
	the :	fontinente	al Divi	de nort	hward	into	i.yom	loe. 1	general sust of	Escambia Co.									
	norti	in a shor ern Colo. rain hit	had a	3 hour	heav	rati	n. A	rock s	s. Wellington in lide caused by	Ft. Lauderdale Broward Co.	26	7:15 a.			0	0	0	٥	Waterspout
ı	Land	1	1ª car	, mjur	LUE B	81X	ymar (	dre Gir	Jr.•										1

See reference notes at end of table.

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			РАТН	Ē		OF SONS	ESTIM. DAM						PATH	Ŧ		OF SONS		ATED†	
PLACE	DATE	TIME	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
FLORIDA (Cont'd.)										ILLINOIS (Cont'd.	þ		!		]		J	ļ	1
Stuart Martin Co.	26	2:50 p.			0	0	0	٥	Funnel Cloud	Kankakee	17	11:00 p			0	0	3	3	wind, rain electrical
Tampa, 17 W Pinellas Co.		11:30 a.		domagad	0	0	3	0	Funnel Cloud (Possible Tornado) d but not seen to		Hig tre	h winds da es. Light	naged ning d	or dest amaged	royed pump;	sevo rain	ral fa	rm bui	ldings, templed amaged crops
		h ground.		danago	,					5 WSW Quincy-20 NNE Quincy-Macomb-15 S	21	2:15 p - 6:00 p	160	narrow	0	0	5	5	skinping tornado
Miami, 10 NNE Dade Co.	29	8:15 a.			0	0	0	0	Funnel Cloud	Galesburg-Mineral- Deer Grove	Mis	souri, mov	ed nor	theastw	ard a	tan	rexims	tely A	age in Taylor, O mph causing und, Heaviest
GEORGIA Fort Benning	7	p.			4	15	٥		Electrical			age occurr							una, neavieso
toro comang			hing s	oldiers	i				hers injured when	4 NE Jacksonville	21	2:40 p	short	narrow	0	0	0	0	tornado
	ligh	tning strated	uck in In Mon	a grou roe Cou	p on nty o	a rii n the	le rau same	ge. I day wh	wo children were en they came in			nado touch	eg Euc	und bri				1	
		act with	a powe	r line					i	Chatham		3:37 n	-		0	0	0		funnel cloud
Americus, Sumter County	12	4 р∙			0	0	4	0	Wind and rain	Lake Springfield area		4:05 p	2		0	0	0		funnel cloud
	wind	s demolis caused ot	ned a her mi	urive-i nor dam	n the	ater	screen	, upro	oted numerous trees	Grand Ridge		5:15 p    11 tornade		narrow ed erou	0 nd 3	0 times	danar		tornado ops and farmstea
Dublin, Laurens County	13	7 p.					Ħ	3	Wind and rain	3 NW Fairbury		afternoon	Joann	124 674	0	1	0	1	wind
	at t	he County	Work	Camp.	frees	were	uproc	ted ar	d several buildings d electric service		Far	er injure	d when	struck					from combine by
	inte	rrupted i	n some	areas.	Hea	vy ra	ins ca	used n	ostly minor crop		win								
Franklin and Stevens County	16	4:30 р.		Narrow	ł	0	4	3	Tornado	Central Illinois		afternoon			1	0	5		wind, rain, hail, electrical
	Stev	ens Count	' line	, causi	ng he	avy d	amage	over a	he Franklin- small area. Sev-		bu1	dings thr	oughou	t centr	al D	1.ino1	s. Da	mage :	amaged many as particularly
	Crop	s were fl	ittene	d by the	estro e win	yed a ds on	na num sever	erous al far	trees blown down. ms.		and	underpass	es. L	ightmin	g fir	ed a	barn e	ast of	ooding streets Bloomington and was killed near
Savannah	18	2:40 թ.			l				Funnel cloud		Lin	oln in an	auto	acciden	tas	a res	ult of	a dri	ving rainstorm. r by Wind.
	Sava	nnah Airp occasion	ort to	2 mile	s nor	thwas	t befo	re dis	es northeast of sipating. May of consequence	Bismarck-N West Lebanon, Ind.		6:20 p 6:40 p	15	narrow		0	4		tornado
Pearson, Atkinson County	repo 25	rted. 7 P.			0	0	l;	3	Wind, hail and rain		Sma fie		damag	ed farm	stead	s, k1	lling	15 hos	s, leveling corn
· ' '	Wind	s clipped	four	pig pol	es on	a 66	.000 ₹	olt tr		East Ross Lane, near Danville	21	7:25 p	short	narrow	0	0	4	3	tornado
	lead serv	ing into i	Pearso perio	n, leav	ng t	he en	tire t everal	own wi	ansmission line thout electrical and broiler chicks	Danville	smal ani	l tornado mals	damag	ed farm	buil	dings	, mac'	inery	and killed farm
		lost and ged tobac					Acco	mpanyi	ng rain and hail	Augusta, Ursa	Į i	afternoon			0	0	3	4	wind, hail
Valdosta, Lowndes	26	p.			0	0	5	٠3	Wind, hail and		str	ong winds	topple	i trees	. Go	lf ba	11 siz	ed hai	l damaged crops
County	, ,	mma urind	s+o+	at the	Vald		Montoi	no1 44	rain rport badly dam-	Park Forest	22	e:30 p			0	0	0	0	funnel cloud
	aged	two hang	irs an	destr	pyed	or da	maged	five a	ircraft. Trees tomobiles were	10 S Vandalia	22	10:45 p			0	0	0	0	funnel cloud
		ged by on							70,110,0110,0110	Sycamore	22	7:90 p			٥	1	0	0	wind
HAWAII		No repor	t rec	eived	by 1	rin	ing o	leadl:	ne.		Man car.		s sudd	en gust	of v	ind d	aused	him to	loose control of
IDAHO Owyhee, Canyon, Ada		D					i		24 11	Chester	24	10:25 p		į	0	0	n	2	furnel cloud
and Daine Counting	There	Forencon derstorms	broke	out in	SW I	daho	during	foren	Rain, hail	Southern Illinois	28	afternoon		l	0	7	5	5	rain, wind,
İ	Wind	damage to	beani	s, small	l gra	ins a	nd cor	n vici I bria	oon, causing flash hail, rain and nity of Melba and fly at Garden with some up to					h d mha s			17		electrical
	Vall 2 in	ey. Hail ches repo	tones	average	ed 1	inch	in dia	meter,	with some up to		rain	storm, in	juring	6 pers	ona.	Ligh	tning	destro	ng a blinding yed a grain n Mt. Vernon
Hill City Area	5	3 to 4 p.	5				3	4	Tormado, hail			pring one							
	Funn 5 m	el cloud, les SE of	trave Hill	lling Si lity, w	to ecki	NE, t ng ba	ouched rn, ma	groun chine	d about 3:30 p., shed, feeding rack	Shelbyville	28	4:30 p	j		0	0	4	4	tornado, hail
	and diam whea	loading cleater with	nute. some : .ey on	Hail, stones 1 2000 a	res	panyi 1½ i Œ of	ng sto nches. Hill	rm, av 50 t City;	shed, feeding rack eraged 3/4 inch o 60% loss of several thousand		on	l tornado Carmstead. Deans.	toppl Hail	ed 19 t split	rees corns	and d	amaged and c	buil horped	ings and crops tops off
kathdrum, Kootenai	- 1	s less set Early	erely	uamage:			4		Lightning	Northeastern Illinois		morning			0	0	4	4	rain, wind, electrical
County	Fire	norning destroyed	grain	elevat	or w	ith 1	15,000	bushe	l capacity.		ing	towns. Wi	inds 🖫	lew down	nan	y trė	es and	nover	cago and surround lines. Lightning
ILLINOIS											knot	ked Wauker	gan re	lio sta	tion	off a	ir and	hits	chool in Chicago
Northern Illinois	- 1	norning			0	0	5	l	wind, rain, hail	New Milford	- [	morning			0	1	0		electrical
	cau	y thunders ed much de ne Joliet	mage it	o prop	nied orty	by h	igh wib rops w	nds, h	ail and rain aviest damage		knot	n injured ked out by	wnen s y ligh	ring.	y 1th	ghtni	ng.	ower 1	n Rockford area
Robinson	14	evening	1		0	٥	4	0	electrical										
1				ı	- 1	- 1	' 1	- 1	1										

See reference notes at end of table

<del></del>	_									<u></u>	_	··			Γ				JULY 1961
			F PATH	PATH S)	NO. PER	OF SONS	ESTIM. DAM		CHARACTER				F PATH	PATH SJ	NO. PER		ESTIM. DAM		CHARACTER
PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM	PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM
INDIANA South Bend	1	5:21 p.			0	0	0	0	Funnel cloud	INDIANA (Cont'd.)	28	7 p.			0	0	0	0	Funnel clouds
Switzerland, Ripley,	1	el cloud a 6:30-8 p.	bserve	d 15 mi	les e	ast d	f Sout		moving eastward.			t 3 funnel heastward.	cloud	s were	seen	in t	ne cou	nty mo	ving east-
]	si de	rable dama	ge to	crops r	esult	ing	nato	tal 1	destroyed. Con-	Elwood, in Madison County	Fans	7 p.	ball p	ark obs	0 erve	0 af	0 nnel	0 cloud	Funnel clouds travelling north-
	in p	laces.	ported	as big	as g	0	alis a		led 6 inches deep	Redkey, in Jay County		ward, and 7:30 p.	short	y after	wardi 0	ano	ther t	ravell 0	ng eastward. Tornado
İ		up to two			1	T ret					othe	r minor de	mage.	Two pe	rson	were	sligh	tly in	fice and caused jured by flying nned birds.
	The :		down		n a t				Hail nning from two miles y shaped hailstones	Randolph County, eastern	28	8:30 p.			0	0	3	0	Tornado, wind
	some	the size	and sh	ape of	ice c	ubes	some	flat	and some as big as	1. 9	Eunr	tered dame el cloud : 10:30 p.	ge oci strike	the gro	o bu	lldin sever	ga. A al tim 3	patro	iman saw a small Tornado
								, cau	Rain sed heavy damage	Jamestown, in Boone County	A sa		do whi	h was s trees.		i			a farmhouse and
	offl							in in	homes. An un- a 3 hour period. Lightning	Peru, 15 miles south- east, Miami County	30	11 a.			0	0	0	0	Funnel cloud
Lawrence County	Li gh	1			e das	aged		ì	th a loss of	Indianapolis, 15 miles aoutheast	30	10:35 p.			0	0	0	0	Funnel cloud
Cloverdale, near, in Putnam County	21	6:45 p.	1	20	0	0	4	o	Tornado	IOWA SW Clinton	1	4:30 a	•						Funnel
Warren County		home and	aned a	as demo	0	0	Amage:		estimated at \$6000. Tornado	4N Lorimor	20%		e to	heavy	rain	, 10	% wi:		Hail
	nort	beastward	BCTOSE	the mi	ddle	secti	on of	the C	as it skipped ounty. It touched al farm buildings	S Madison County  3E Hampton	3	4:00 p						4	Hail Funnel
Frankfort, in		8:30 p.	.		0	0	0	0	Funnel cloud	Buffalo Center	2 ±	6:00 p					3	4	Hail
Clinton County  Monrovia, in  Morgan County	21	evening			0	0	٥	0	Funnel cloud	Thornton	1 1 1 2 4	8:15 p	1.				3	4	Hail Hail
Goshen, Elkhart County		1-1:30 p			0	0	5	0	Wind	Hampton   Lamoni	3 5	8:30 j inch hail 4:55 j	i.				3	4	Windstorm
	Gost		250	tored	boats				les southeast of destroyed. Losses	SE Madison County	5	4:30 j	to 7:				3	5	Hai1
Tippecanoe Lake in Kosciusko County		2 p.	vellin	e north	0 eastw	3 and d	4 amaged	3 or de	Tornado	4S Fairfield	5	5:15 p		square	e mi.	les (	amag 3	4	Windstorm
	trai were	lers and injured.	daused	extens	ive c	top d	amage. rled 1	Thre 20 fee	e trailer occupants	Grundy County		3:30 jiloh, Co. les dama	Ifax 8	Pleas	ant	Val:	ley T	5 wps.,	Hail about 12 square
Logensport, in Cass County	Anz				o ing n	l ear L	0 ogansp	ort wi	Lightning the sitting in the	Rowan	12	5;00 ]		3000				4	Hail
Vincennes, in Knox County	J	oheπ of a	Iarm h	ome.	0	2	4	0	Wind	Richland 6SE Iowa City	13	3:50	]					4	Hail Hail
	were	injured							ldings. Persons	Northwestern Iowa to Marshall and Grundy Counties	14	7:00					5	6	Hail
New Washington, in Clark County	A fı	7:30 p. unnel clou us and dam				0 fore	the st	orm h	Tornado		10	ss in Hav on and Ha	warde: ardin	and G	avie: rund	st 1	sses untie	in n	unty. \$250,000 orthwest divi- ail diameter h. Apparently
Evansví I le	23	7:50 p.			0	0	4	0	Lightning	N of Des Moines	sa	me storm	that	origi	rate	d ne	r Mi	tche1	1, S. D.
0	with	h a valuat	resul on of	ting fi \$25,00	0.				barn and contents	North Liberty	14 3/ 15	10:00   inch h	ail.					4	Hail Hail
Charlestown, in Clark County	A sı	evening mali torns building		elled t	0 to ba		3 severa	0 tre	Tornado	Hopkinton	15	2:45 inch dia	p				3	5	Hai1
Attica, in Fountain County		9 p.			0	0	0	0	Funnel cloud	Worthington Wayne County	15 15	4:00 j	1				4	4 5	Hail Hail
Odeli, in Tippecanoe County	24	9 p.			0	0	0	0	Funnel cloud		Не: 10	viest h	ail vi rom h	cinit:	ies ain.	of H		on, S	ewal & Seymour.
Idaville, in White County		4:30 p.	? eral b	30 - 4		0 maged	4	0	Tornado	2S Mondamin Southern Kossuth County	18	3:05 i						5	Lightning Hail
Wabash, in Wabash County	28				0	0	0	٥	Funnel cloud	Woolstock	18	9:30	12	2000				5	Hail
Lagro, in Wabash County	28	5:23 p.			0	.0	0	0	Funnel cloud	Spencer to Ruthven	20	8:00 m	1	2000 2 in	ch h	ail.		5	Hail

JULY 1961

		[	РАТН	E		. OF SONS	ESTIM. DAM						РАТН	Ę		. OF SONS		ATED†	
PLACE	DATE	TIME	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
IOWA (Cont'd.)		!	\ 							KANSAS (Cont'd.)	i	i		i		]	j	]	
Ayrshire	20	9:00 p						4	Hail	Southern Kansas	13	Afterncon			Ì	1	5		Formado, damagina winds, hail, heav
Northern Poca- hontas County	20	10:00 p						5	Hail '		Dair	evening	ternoo	n and e	venin	. tl	unders		rain and electric resulted in much
5N Algona	21	5:00 p							Funnel		cro	damage i	n Mead	e and H	a ske 1	.1 Con	inties.	Stor	es were about ng corn and maize
Hawkeye	23	3:00 p						5	Hail		nea dia	r the Sewa meter fell	d-Has	kell Co ing sev	inty ere c	line.	. At I	lains, Surf	hail 2 inches in ace flooding
	15%		nage.								res	ulted from Forbes Air	heavy Force	rains Base w	in th	is an	rea. <i>I</i> ly bur	t 1:05	pm, a sergeant n lightning struc
Southern Chicka- saw County	23	3:45 p	36	7000				5	Hai1		the	airplane	on whi	ch he w	AB WO	rkin vera	g. At Lother	3:20pt	i, a TV station rties in and mean
	Dam bur	age grea g. 10%	test vind	at Nas damage	hua,	New	Hamp	ton a	nd Fredericks-		West	t of Hutch	ingon	and in	Karve	y Co	dinty be	ntween	nds struck south- 2:00pm and 3:00pm
Eastern Mont- gomery & western Adams Counties	23	4:00 ]						5	Hai1		eus	i of wind	caused	about	\$100.	000	Западе	to the	f Newton, where W to SE. A stron property of the and electrical
Adams Counties	Ex	ensive o	amage	parti	cu1a	r1y	at Mo	rton	Mills and		dan	age occurr	ed in	Montgon	ery a	nd L	bette	count:	es.
30 NW Dubuque	23	1isca. 5:30 t						4		Cheyenne and Sherman Counties	14	Evening 1, marble	- 100	 	nahes	daas	d ofter	a etc	Hail Tm across
or im basique	Hai			ameter				4	Hail	Sherman countries	Che	yenne and dland. Ma	Sherma	n count	ies.	Pati	Was .	to 5	miles east of
Elkader	23	8:00 g						5	Hai1	Healdnaton County	1	3:00p				]			Hail
Boone	26	5:00 p	1			1	3		Lightning	Washington County	Two	strips of	hail,	one ab	ton	mil	s nor	hwest	of Hanover and th
Keokuk	27	6:35 a				1	3		Lightning		the	Hanover a	rea, e ly stu	ome sto	nes v	ere wer	as lar.	e as	olf balls. In
Missouri Valley	27	10:15 p			İ		4	4	Windstorm		869	i corn. S t leafless	tones	were ja	gged	rath	r tha	roun	. Trees were
Larchwood	27	11:00 p				ĺ	4	4	Windstorm	Gray County	15	3:30p-							Wind and hail
Oskaloosa 7NE Greenfield	28	1:00 a			ĺ	·	4		Lightning		Nea	4:30p r tornadio							rees, and bent
KANSAS	20	1:00 a					5		Lightning			antennas i n a few mi		near C	marro	n.	Damagi	ng hai	fell north of
Cheyenne and Sherman	1	4:30p~ 6:00p	50	*4	i		5		Hail and severe	Clay and Riley		3:00p-	35	*2 <u>}</u>					Hail
		vere stor						ones t	p to la inches in	Counties	Dan	4:00p age began	near I	orthwei	t co	of ner	Clay	to t	e north of Clay
	sou	heast to	near S	. Fran	cis w	nere	one pa	rt wer	t east through ross Sherman		sha	ped ice ch	unkas,	genera.	ly m	rble	81ze	but 80:	l was irregular e larger than ep. Much damage
	Cou	ty 2 to 8	miles	east o	f Goo	aland	. Hai	1 was	of short duration 100%. Vindows		to	crops, roc	fs and	windon	8.	<b>-</b>			ope nach anage
	ext	nsive. H	ail cl	pud app	eared	a8 a	"whit	e roll	Bird City was er." Winds were	Lincoln, Ellsworth, and McPherson Counties	15	5:00p- 5:30p	30	*10					Severe winds, hai
	est:	mated at	70 mph	Stor	mov	ed at	out 20	25 मा 	h. 		Thi eas	s s torm be tern Ellsy	orth (	ounty,	and :	nto	porthe	stern	d south across McPherson County.
	In e	onnection	with	this st	erm,	the h	3 igh <b>v</b> í	nd rai	sed considerable		sou	theast Lin	coln (	lounty.	A to	rnad	C Was	ighte	5 to 80 mph over land heard over
	Fran	cis on U.	S. Hi	ghway 30	sion 6. S	resul sven	erson	miles s rece	west of St. ived cuts and		Lak the	mud expos	ed. H	ter was uilding	suc!	ed a	egy fr	om two	coves, leaving the tormado as
Harvey County	2	her was h	pahres	TISGO.		ÌÌ	J.		Electrical		1t 4 a	passed ove ples long	r Carr and 1	erio. mile wi	Near de we	Marq re p	patte, ractic	the c	rops in an area stroyed by hail.
	Ligi eas	tning str of Burrt	ick a	large fo	arm h d con	tents	miles burne	south	and 1 3/4 miles	Rush County	Tor	6:13p nado touch ut 1 mile,	ed gro		iles	west	of Ot		Tornado welled SSE for
Mortheast Counties Brown, Atchison,	5	8:30p- 10:30p				2			Heavy rain, severe winds, and	Woodson County		5:00p							Hail
Doniphan, Leavenworth, and Wyandotte Counties								n besu	electrical uch lowland evere winds		Hai wes	lstones of t part of	golf the co	ball si unty du	ze fe	11 o a 1o	ver a	amall anders	rea in the north- hower.
	flai	tened cro	ps, br	oke tre	8, c	used	break	age in	transmission cially severe	Ellis County		7:20p							Severe winds
	in 1	savenwort	h and	Yyandot	te co	untie	abou	10:2	Opm-10:30pm. estricted vision		pol	es in a ve	ed at ry loc	30 mph	anapi 8 m	ed o	ffa.s	ories of Hay	of large telephone . Wind was from
	ph 1		an was	injure	l whe	n a 1	arge t	ree li	mb fell on his			10:35a		-					Electrical
Northwest Counties		Evening							Hail	Johnson County	A to	en-year ol Overland F		was kil	l led w	hen e	truck		
	A co							e proc	eased in Greeley,	Northwest to south		1:45p-	150	*25	1	2	4		Severe winds, hai
Brown and Leavenworth	_	1:15a-			ì				Severe winds	central and south-	19	11:00p	150	*25 to 75	-	4	-	l i	heavy rain, and electrical
Countles	Seve								rth of Fairview	3450 07545								Decati	r and Norton outheast to the
ļ	and								ornadic conditions		Wic.	nita area e ned in it	and the	en east ress so	ward. uthea	The stwar	whole	store e rate	gradually of travel was
Pawnee County		1:30p al cloud	ighte	in no	the	t ne	t of		Funnel cloud		app 2:5	roximately pm, Hays	50 mi 3:30pm	les per , Great	hour Bend	5:20	e stor pm, ne	m stru ar Hut	ck Hill City at chinson 5:45pm.
Deborne, Mitchell,	11	4:00p-	J 3	1		-			Hail, heavy rain		Ove:	the area	was t	obnemer	us.	Light	ning d	amage t	and wind damage were most
and Jewell Counties		5:30p	ins o	4 to	ine	208.	e <b>v</b> ore	i	and electrical ps of hail, and		mos	intense k	lamege	were i	n etr	ips o	f 3 to	5 mil	greatest and es wide and 25
	2 11	ghtning s	rikes	resulte	d in	cons	derab	Le dam	age to crops and ll size with		Dec	tur Count	7 acrd	as to s	buthe	ast l	forton	County	rom northeast where the town
Į	SOM	stones of	golf	bell s	ze i	M1tc	he 11	cunty	,	1	win	le estimate	d at	120 mph	. Sc	me of	the a	tones	hail driven by were jagged severely damaged
Couthern Rooks and Saborne Counties	11	7:0 <b>0</b> p							formado, hail and electrical		are	was acro	86 8E	tern El	lis,	sout)	wester	n Russ	ell and north-
								in so	ithwest Rooks ing south of		to	colf balls	and	locally	in H	llis	and Ru	asel1	size from marbles counties, to
	Plai								miles southwest	1	aft	pis and har or the stor	secall	s, and ost of	in ad the a	me pl	ACBS t	ms 4 t	o 6 inches deep ced winds of 80

See reference notes at end of table.

JULY 1961

		РАТН	Ę	NO. PER	OF SONS		ATED† IAGE			1		РАТН	ТН		OF SONS	ESTIM/ DAM		
PLACE	DATE	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF P (MILES)	WIDTH OF PATH (YARDS)	מורובם	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
KANSAS (Cont'd.)	İ						Ì		LOUISIANA									
	to 120 mph.							inds of 60 to 100	Burrwood	3	4:30 p.							5 funnel clouds Funnel cloud
	County A f	durth d	amaged	cacti	07 24	o in :	herid	an and northeastern	10 E South Pass (25 E Burrwood)	*	9:35 a.							runner croud
	of damage fr Accompanying	om hail winds	rangin were es	g in timat	size ed at	up to	2 incl ph. H	several strips les in diameter. ouses were unrocfed.	Burrwood, NE	4	10:00 a.							3 funnel clouds
	barns and sh	ads blo	wn over	d. tre	namis	sion	lines	broken, signs and orchards in my trees were	Burrwood, 5E	4	10:00 a.							Waterspout
	horthern Ren broken. Hai	d Count	y lost ed crop	a lot s and	of f	ruit them	into	the ground, estimated at	Near Alexandria	8	1:30 p.			2	1	0	0	Lightning
!	\$6,000), bea	t roofs	and de	nted	81014	gs an	d bark	of trees, cut is and poultry,	Metairie	10	1:30 p.			1	0	0	0	Lightning
	and both cat	tle and	pigs w	ere i	ound	with	their	eyes put out by of the terrific	Near Mansfield	13	7.20 -					3	0	Funnel cloud Hail over 1 inch
	wind. One m	an war	killed	pà s	brok	en el	ctric	wire.	Shreveport, 1 mi. NW 8 NW New Orleans	16	7:30 p. 3:25 p.			1	0	3	0	3 Waterspouts
Seward County	20 Afternoo A heavy 2-ho		in and	near	Lib	ral c	used	Heavy rain considerable	G HW NEW OLIGANS	One	drowned w	hen bo	at caps	_		gh wir		, material poor
	flooding in district.	parts (	f Liber	al az	d esp	ecial	y in	the business	Michoud, E of New Orleans	24	2:00 p.					4	0	Thunder squall
Clay County	20 5:30p		<u> </u>					Tornado	Marsh Island	27	11:10 a.							2 waterspouts
	Clay Center. which was up	The o	nly dan	age 1	as to	a lo	d of	s northeast of hay on a truck	Cameron Parish	27 One	11:20 a. waterspou	. 5 NW	Holly	Beach	ı; two	just	east (	3 waterspouts ameron.
Northwest Lyons	20 7:00p	5	*1					Hail	Near Reserve	27	11:30 a.							2 funnel clouds
County	crop damage.		inches	in c	iame t	er fe	ll nea	Pushong. Some	Terrebonne Bay,	27	4:00 p.		 				!	2 funnel clouds
Northwest Summer County	20 7:30p							Tornado	7 SSE lake Charles	28	1:00 p.							Funnel cloud
Journey						minu	tes be	tween Milton and	Near Fenton	28	2:20 p.							Funnel cloud
Nemaha County	20 7:00p-							Tornado	MAINE									
:	8:00p	ud tou	hed gr	ound s	ever	l tim	es nea	r Sabetha. It	Canton	10 Hail	Night accumulat	ed to	2 to 4	inch	depti	2 s with	atone	Hail a near t inch
	and turbuler			nger a	na wa	8 SUB	bearcea	from very ugly	·	Dama Dama	e to crop	emaine s was	neavy i	n a 1	in p	d area		he following noon.
Summer County	21 11:05a A funnel clo	nud was	reporte	 ed:30	miles	sout	å of ¥	Funnel cloud ichita, near	Aroostook County	10 Dama	ge from wi	dely s	cattere	0	0 ghtni	4 g hiti	0 incl	Lightning ded destruction of
C-14\ 0	Wellington.									a ch	rch steep ing at Ca	le at	Presque	Isle	and	consi	erable	damage to a
Smith County	21 1:10p A funnel clo 10 miles sou	ud dip	ped down	from	the	c loud	and	Funnel cloud immediately lifted	Southern	11	Afternoon		er sev	o erel	1	3	3	Lightning, hail es and fruit in
Saline County	22 1:20p-							Punnel cloud		limi	ed area i	n and	near Ke	nnebe	ec Co	unty.	Light	ing injured a
-	1:22p	nd was	sighte	d nea:	the	Smoky	H111	Air Force Base.			tions.							
Cloud County	23 About							2 funnel clouds	Boulton	12 Hai1	1:32 p. reported	3/4. 1r	ch size	0	0	0	0	Hail
	11:00p Highway pat:	dl rep	orted 2	funn	1 cl	uds r	ear Co	ncordia.	Southern	13	Afternoon	<b>.</b>		0	0	3	2	Hail, wind
Johnson County	24 12:30a Golf ball se	ised ho	11 fell	et W	styn	ıd 1n	xtres	Hail me northeastern		to 1	inch size	hit i	orth Wh	tef	u gar ield, da h	where	garde	haron. Stones up a were badly
	Johnson Cour		1		ן"ין	·u 14			Ft. Fairfield	18	4 p.	0.4	200	0	0	4	2	Tornado
KENTUCKY										anot	ado moved	eastso	utheast	ll four	veh.	icles.	ng a bi	rn and damaging
Fayette County	7 7 PM Heavy rain c	entered	in the	sout	tern	4 secti	on of	Heavy Rain the county caused basements in		anap	ped off. covered th	Accomp	anying and enti	hail ely.	was Pe	elonge es and	potate	out & inch length, es were damaged. looding of fields
	South Lexing	ton. 9	pme are	sas co	vered	by a	s much	as five feet of		and	ome road	washou	CATIO	ou ca	aused	some .	rocar 1	looding of fields
Fayette County	water. Mino:	rcrop	damage	due t	Fla	oding	and e	rosion. Funnel cloud	Southern	21	Afternoon			0	0	4	4	Lightning, wind,
330000	Funrel cloud	observ	ed 35 m	les	south	sout	hvest	of Lexington.		Ligh dama	tning caus ge elsewhe	ed sev	eral fi	res :	in th	Fair	field a	1
South Central Kentucky	20 PM An area of t	hunders	torns n	oving	east	3 ward	l <sub>i</sub> through	Hail; wind h Barren, Hart,		Some	s and power crop-dame	r line ging t	s. Al	ight	plan d fro	e was near	urned Port L	ncluded felled over at Portland. ad, Unity, and crops in North
	and Metcalfe tobacco crop	Counti some	es, wit	uproc	l and	wind	caus	ing damage to		Dak1 Frye	and. More burg area.	exter	sive wi	nd at	ad ha	il dam	age to	crops in North
Grant County	damage to on	wbac	co barn	,					Locally throughout	24	Late			0	0	4	0	Lightning, wind
	Lightning far crops in nor	tality	et Will	emst	own;	inor	2 damage	Hail; lightning to tobacco	State	Ligi	afternoon	kes de	maged o	e de	troy	ed by	fire a	number of building
ohnson, Morgan, and	30 PM-	T 9			60	y.	5	Heavy rain		most dama	ly from so ging wind	uther in Ar	Piscat ostook	Equi:	a Cou	nty so	thres	ward. Some
Elliet Counties	31 AM Worst flash	r oodin	g ever	exper	ence	i on l	Paint (	Greek, Johnson	Houlton	30	Early morning			0	0	4	0	Lightning
	to 10 to 20	mmett feet an	Creek, d in so	Morga me in	n Cou	nty, 1 18 30	rith si feet i	treams swelling			barns and	one h	ne burn	ad.				
	itevals. Sev	eral ho	uses to	rn fr	om th	eir fo	oundati	ions and washed rops damaged in	Swanville	30	Afternoon	J	1	0	2	0	10	Lightning

See reference notes at end of table

				T	1						-						T		1
			РАТН	H.		OF SONS		ATED1					РАТН	H.		OF SONS		ATED†	
PLACE	DATE	TIME	LENGTH OF	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF I	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
MARYLAND						İ				MASSACHUSETTS (Co	dnt'd.	)						!	
Gambrills- Millersville Section Anne Arundel Co.	13	about 5:00PM EDT	1/2	?	0	0	4	С	Severe thunder- storm, windstorm, hail	Hampshire Co.	Major Hadle Trees	damage y. Corn , utilit	o shad and o les, a	ther cr	cco a ops a eenho	lso i use o	ading it in	easted	Tornado in Hatfield and utheastward path. ompanying hail
	acco	t through	the the s were	Gambril torm sl also kı	ls-M	ille: ed s	svill ome co	e are	ter-type storm a. Hail owing in the farms as well	Georgetown	21 6	ged abou :30 p. ning inj			0	2		0 homeb	Lightning y fire.
Winfield, Carroll Co	16	about 11:00PM EDT			0	0	4	0	Lightning	State	failu	res. Lo	cally (	neavy r	ins	flood	ed str	eeta.	Lightning, wind, rain local power Thunderstorms in sed power failures
Frederick, Frederick County	Fire	, caused	by li ?	ghtning ?	, da	mage:	a th	ree-s ?	Severe thunder- storm, windstorm	Michigan	and s	et fire : ing in W	O BEV	eral ho	pes.	A lo	cally	severe	wind damaged one coding from heavy
	and Fair	ng winds did consi Grounds.	derab	le dama	as ige t	ever	stor lding	m rip s at	ped Off roofs the Frederick	Milford 2 NW	At C								Electrical nstantly and urned when
Leitersburg-Ringgold Section, Washington County		6:00PM EDT	?	?	0	O	4 dinas	?	Tornado		stru	ck by t ing ref	he sa	me bol	t o	119	htnir	g whi	le both were
MASSACHUSETTS	scor	ee of tre	ев, а	nd wrec	ked	tele	phone	and p	wer lines. An panied the storm.	Kent County	Spar							in di	Hail ameter with cherries and
_	Thund	ording st	vinds ructur	with gu	0 stes lof	0 timat k in.	4 ed at diame	0 50 aaph terca	Wind, hail felled large used no reported	Northern Lower	appl	es. fternoc	n.				4		Thunderstorms with high winds
	Tobac Descr	co shade	"twis	ting wit	nd st	em"	with f	unnel	Tornado ts along path. reported reaching		with		ant s	erious	re	air	damaq	ads a	and heavy rains and basements the area. High
Marblehead		5:30 p. unnel clo	ıda ob	served	O y Sa	0 len C	O Dast G	0 uard A	Punnel clouds ir Station.	Grayling		fternoo		age C	, De1	4			Electrical
Norwood Northeastern		6:30 p. Afternoon			0	0	0 5	3	Funnel cloud Lightning, wind,	·	COMPA	and pos	t swi	tchbos	rd e	tru	k by	a liq	perating a fiel htming bolt itary hospital.
	rees to se falli	and limbs veral thou ng trees. ws out. an	orth in m sand i Wind	thelmsfe thy area nomes as blew re	ord, is, r id bu	one lesult Lldin from	arge fing ings and several	loss vehic buil	rain, hail maightning, Wind felled of utility service les damaged by dings, some icial report of	Southeastern and the Thumb area		fternoo	i				°4	с	Severe thunder- storms with hail, high winds, lightnin
	amag lamag ladar adar orna lood	h gusts ca e through indicated achoes re do funnel, ing rains ts. and fl	Ipswide seven aching hower demage coded	om North  th at al  re conve  yer, con  d stree	And out octive iO,000 ild no	p m s act fee ot be	One Suggivity salti confi	narrow ested there tude. rmed. aused	zig-zag path of a possible tornado. at that time with Occurrence of a Washing and some cave-ins of		caus rang	ments. ed powe ing fro	High r dis m mar	winds ruption ble si	dan ns. ze t	Car Car	buil o are 4° di	treet dings a rep amete	and heavy rains s, roads and , barns and orted hail r with
	xces louc	ted rainfa sive rate	ll of Seve	0.91 in ral are ail as	ch it	20 p	inute	s, as	an example of an ch size and Some damaged tree	Ogenmaw County	20 B	vening	-	-			4		d numerous tree
Petersham I Stoneham	erge	Afternoon barn comp						ı ligh			build with:		ith c	ontent	s pi init	us s y.	n oi	sto	arns and age tank all bolts killed
	unne ndic anage	sted rotar e. Hail f	while y moti rom k	on also to k in	alof at s ch s	but round ze fe	1. On	n of ly min	Tornado, lightning damage to trees or structural in some nearby and falling trees.	Southern and Central Lower Michigan	23 1	:00 p.,	e in	che II	erds	•	5		Thunderstorms with high winds lightning and
forth Attleboro	6 1	7:55 p. l:30 p. destroyed and flood	by fi	re from	0 1igh	0 tning	0 4 3. He	0 0 IVy ra	Funnel cloud Lightning, rain lns washed out		phone exces	servi se of 2	ce to thou	homes	and n th	cor e a.	merci	s of al bu	heavy rains.  power and  ildings in  estimated at
	Light was l	seavy in B	ged ut	ility	0 ervic	o es.	3 Hail d	3 amage road	Lightning, hail, rain to tree fruits blockage and some		resultand to	60 MPH Ltant di trees w to fall:	blew amage ere bl ing to	down to con lown do rees as	farn nten own nd f	bar ts. with lyin	ns an Nume dama g deb	d bui rous ge al ris o	ldings with utility poles so reported n cars and
Kastern .	10 i Sever	Svening	by lig	htning	0 at Mi	7 ddlet	on. L	3 Aightm	Lightning, hail, rain ng set fires			iings. eporte		je duė	to	#10 <b>0</b>	aed b	asemė	nts and streets

See reference notes at end of table.

																			JULY 196
			F PATH	PATH S)		OF SONS	ESTIM. DAM		CHARACTER				F РАТН	РАТН S)	NO. PER		ESTIM/ DAM		CHARACTER
PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM	PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	OF STORM
MICHIGAN (Cont'd.) Southeastern and the Thumb area Lower Michigan		Afterno	on			1	•4	с	Thunderstorms with hail, high winds, lightning and heavy rains	MINNESOTA (Cont'd. Buffalo, Wright County	20 Funn suck dama	ed up colu ge done t	mm of	water e	stim e and	ated l boa	at 40 tolock	reet i	Tornado ake Pulaski and n height. Minor tinct roar noted
	kno por th	ocked do wer line roughout	fall:	slig ng on rea w	the as d	injı car isruj	red o	ue t er s lue t	car was severed live ervice elsewhere lightning and	Granite Falls (near), Yellow Medicine County	grou 20 Publ	nd, 12 mi 8:30 pe	es SSI	of Bui	falo mnel	et 5	31P. ds not	touch	not touching Funnel cloud ing ground 10 mile
	Nu Nu we	wn with I merous t re blown	igh orees a	amage nd a with	to few l	the i build ge a	tore	thro te to	sh was blown implements. ughout the area flying debris. asements and	Bird Island 10N, Renville County Cosmos, Meeker County	21	p. e funnel e li:30 p.							Funnel cloud
St. Ignace 15 WSW	st 24	2:35 p.							Waterspout	Owatonna (near), Steele County	and 21	not touch 5:15 p. el cloud	ng gr	առաժ, կ	mile	Wes'	t of C	osmos.	moving southeast Funnel cloud
	De Mi		Off1	er ob	serv rthe	ed a	wate	rspou t est	vation t over Lake imated 60 MPH	Rochester 30 SW, Olmsted County	2). Funn	6:00 p. el cloud 6:55 p.							Funnel cloud ic. Funnel cloud
Iron Mountain and Kingsford, Michigan	29	5:15 p. 6:30 P.					°5	c	Thunderstorms with hail, high winds, heavy rains and	County  Rochester 8W, Olmsted County	Sher 23	iff's off				)	unnel	cloud.	Funnel cloud
	Nu	merous t	rees ·	ere s	papp	ed o	ff an	d upr	lightning. ctional havoc. coted, branches	Rochester 15 SW, Olmsted County West Central Minnesota	Hail 29	1:45 p. 1 3/4 in 5:00 p.				ed w	5 Lith ha	4 6 il and	Hail, wind gusty winds, mov-
Southwestern and Central Lower Michigan	si Ha re de ad	gns blow il damag ported t	n down ed ga o hav ome s reas	dens cove	fs I and red s of	fter farm the the	crop croun twin	vari 8. H d fro citi	m 6 to 10 inches	Southeastern Minnesots	ing Big dama and dept Fer over the	southeast Stone, Tr ge report along Ott as of 3 i gus Falls several Alexandri 2:00 a. rous heav	dama everse ed on er Tail nches. area, farms. FAA	ed cro Grant line and G Consi Otter Wind meather	and ifrom trant derab fail suste stat	d buillough	Idings as courton to line mage a your 50 Dougla	in Wi nties. o Foxh Hai lso re op los mph w s coun	lkin, Otter Tail Greatest hail Greatest hail Greatest hail covered ground t ported from Carlis was 100 per cent are recorded at
	sl fo da up bu	s injure eeping i of arm an maged bu prooted w ildings srupted	d when the dham ildin ith drepor tempo	house house burn gs alo amage ted. rarily	ck b s an ing w by f Powe	he wad conthinated in the control of	bolt as tr nvuls high ng tr d pho sands	of li eated ions. winds ees o ne se of h	nto cars and rvice was omes within the	MISSISSIPPI Columbus	sud St. Wind Sta	rous buil flattened Charles. gusts we	dings, crops One b re obs	trees Area ern bur erved b unty, n	and u affe ned a the p to	tilit cted fter Rock	y line sectors being seter	e, dan led fro struck Weathe	aged 2 airplanes a Lyle to by lightning, r Bureau Airport ranging from 1 t
MINNESOTA Fountain, Fillmore	al l	l:00 a.	d dam	ge.	1		3		and basements Heavy rain	Jackson Biloxi, S	1	5:45 p. 1:03 a.	1	10	0	0	3	0	Tornado Waterspout
County  Southwestern Minnesote	ph ph	9:00 p.	4.					5	Hail Isoybeans in	State College Jackson		3:15 p. 4-5 p. ndersqual plate gla				son f	°4 4 looded	C 0 stree	Thundersquall Thundersquall ts, stores; blew
Fest Central Linnesota	los	s greatest	in Co	tonwoo	d cou	uty.	and N	lertin L	Hail , Otter Tail, Pope	Cleveland MISSOURI Northwest Prairie	31	4:56 p.					5	5	Funnel cloud
torris (near),	and 13 Fun	6:30 p.	ountie	4.					Funnel cloud blic southwest of	Division	A I	8:00PM large area t, and Bo ere thund	envill erster	and U	nionv ry he	ille avy r	nsas ( on the	ity ar east, and hai	d Savannah on the had mumerous l and locally Chillicothe had
Southwestern (innesota	Hai cau Mur Ear rep	sed scatte ray, Rock, th, Jackso	red da Noble n, Mar	mage to s, Redw	crop cod, Fari	s in Brown bault	Lincol Cott	in, Lyc conwood les.	Hail 2 to 6 inches, m, Pipestone, 1, Watonwan, Blue Greatest damage s. Storm moved	Southwest Missouri	2.0 3.0 13 An	8:00 - 9:30 Ph area bour	of rai in one ded by der on	Joplin	ss th Flas	an an h flo Sprin	hour, oding 5 efield herous	and E occurr 4 on the	onvills got ad on many stream Thunderstorms a north and the thunderstorms,
Southwestern Linnesota	18 Hai and	6:00 p. damaged Faribault	crops Count	in Lac	Qui P	arle,	Yello	W Med:	Hail icine, Watonwan	North Central Missouri	15 Far	Evening rms and to ringston o	ens in	Harris had h	on, D	avies rains	i, s, Mer	5 cer, 0	Thunderstorms rundy and ad hail, with avy damage to
Southwestern Minnesota	lin los Pal	golf ball e from Tra s to crops ls, Yellow	thum size d verse Gre	emaged to Wase atest r ine Cou	crops ca co eport	and nuntie ed da near	build: s. So mage o	ngs so me far ccurre	Hail, wind and rain mg winds and hail with and west of a mears reported total d near Granite wift County and near	Pelgique, Perry Co.	17 Hea	Late eve. wy hail d	•				Many	5	Thunderstorm
Crookston (near),	sou 20 Pub	thwest of	St. Cl	cud, St	earns	Com	dama g	als:	reported west and Funnel Cloud es northest of	Central Missouri	the	noved t	erstor hrough m and	Jeffer Arcadia	son C	ity t	o Vier	mua, Ro	Thunderstorms out 1:00 PM, lls, Vichy and versl homes.

			PATH	Ħ.		OF SONS		ATED†	GUAD: ====		1	1	PATH	АŢН		OF SONS		ATED! IAGE	5,445
PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
MISSOURI (Cont'd	)		j					1		MONTANA (Cont'd.)									
Columbia, Boome Co.	21 Thi	10:15 - 10:45AM s atorm h	1 .	charac	teris	tics	of a t	tornad	Thunderstorm  , but no funnel se Weather Eureau t during most of	Southern Toole, Liberty, Hill,	1	Aftermoon	190	*5-10	0	0	6	6	Thunderstorm, Rain, High Wind,
ı	its a l	existence ine of the	e. It underst	formed torms an	as pa	ert of	the :	southe: bia fr	nmost cell in	Blaine, and Phillips Counties	Gen	eral exten	t of s	torm frourth of	om Du	nkirk erop	to Ma	Ita ar e and	and Hail d south of Hilk over one-half
	The and It	st reports storm's p them out did damage	ed dama path to into a to ma	ge occu cok it i rural any home	nred hrow area s, bu	about h the about sine:	nort 10 m	les WS bern p lles E ldings	of Columbia. ortion of Columbia E of Columbia. and farms.		pro	perty dama	ge was hail	from w was dri	ind. ven i	The nah	wind w	as so	strong in some rection. Crop
,	Deb one the	ris was o -fourth m storm mo	bserve lle son ved on	d in th oth of east o	e air the C f the	abou olumb airp	t 300 ia Mun orta	feet a icipal few mi	bove the ground Airport. When les, Weather he southwest	Froid (12 miles west Roosevelt County	1	7:00 p.m.	l	*1½ ied fro	0 n 50%	0 to 1	0	4	Hail
Sweet Springs, Saline	cor	ner of th 12:15						4	Tornado	Southern Praire and Northern Custer Counties	29- 30	Night:	80	#2-4	c	0	4	5	Thunderstorm, Heavy Rain, Wind and Hail
County	Two the	PM funnels ground.	ere of	served	On:	y th	smal	ler of	the two touched		J			L 1 a'	1	m		L	s were heavily damage from d and Ismay.
Sweet Springs (near) Saline County	22 Far	6:15 PM m buildin roaching.	gs and	crops o	dama gr	d. 1	itnes	14 888 S&D	Tornado the funnel tree trunk to		The and and	the secon	o "wav dafte o to d	es" of r Midni epths of	the s	torm, Hail eet.	one a accum	round ulated was 2	dand Ismay.  9 to 10 p.m.  i in borrow pits feet deep on d off with a er lines. Rain ater supplies.
Lone Jack, Jackson Co	kes 22	p from be: Evening	ing blo	own away 300	•		L L	5	Tornado farms. Evidence	Washing stade or	i .				. 1	1 !			
Ewing, Lewis County	22	rotating :	otion	in pat	tern o	of del	ris.	Much	amage to crops.	Northern Valley County	Hai			ାର୍ଥ ପ୍ରଥି incl	0 nin	0 diame	o ter.	L; Danage	Thunderstorm, and Hail mostly to grain
Sikeston, Scott Co.	23	3:00PM	of rain	fell	ear t	he p	ith of	the st	Thunderstorm	Podson (11 miles north), Phillips	30	Afternoon	?	?	0	0	0	և	Thunderstorm, Heavy Rain and
Savannah, Andrew Co.	Wind Wind	y wind da destimate 8:30 -	mage to	o homes Omphi	and in gus	build ts.	lings :	in Sike	ston. Thunderstorm	County	Hai	Istones we	re the	size o	mr	bles to e	and ac	cumula stati	Hail ted in 5-inch on. About
Bureka, St. Louis Go.	Two 23	9:00 PM inches of 8:00 PM	rain,	and so	me ha	17, 1	ell i	a 30	minute period.	Nebraska	11/2	nches of	ain f	ell in	ı lit	tle c	ver ½	hour.	on. About
Pleasant Hill, Jack- son County	23	5:00 PM							Funnel Aloft	Vicinity of Clinton Vicinity of Clinton	Des	9:15 a. royed gra				O anks,	etc.	0	Tornado
St. Louis County	2lı Powe wind	9:30PM or interup gusts to	pted 1 55 mp	n 1200 n accom	homes penie	. 2. d sto	3 50 inc rm.	hes of	Thunderstorm rain and		Sto	9:25 a. es 1/2 to						, comp	Hail and excessi rain lete crop des-
MONTANA Vaughn, Cascade County	6	6:30 p.m.	30	?	0	0	0	L <sub>L</sub>	Thunderstorm, Heavy Rain, Hail	Garden & Dundy Countie	<b>s</b> 1	F. ?	12	* 1-2	0	0	4	5 ounty	Hail and skipped to
	117	igation c	anal r	tesultin	ık 1n∣	morel	damage	than	broke an		Dun	y County ond 2" deep	nhere p befo	tones :	rangi.	ng fr ed on	om 3/4 into	n to 1 Kansas	-3/4" covered . Fxtensive k cut and bruised
Forsyth (14 miles	west	age some it into bo	ггон р	. Hail it duri	stone ng st	s up orm d	to 1 i	nch di gasn	n, up to 100% ameter. A car all child.	Scattered areas in Adams, Hamilton and York Counties			up to	up to	0	0	4 ered g	4 round	Hail and high win to inch depth in
west), Rosebud County South of Sunburst,	A	ightning	strike	killed	a be	et fi	eld wo	rker.		Mortheastern Sheridan	spo	ts. Cons	derab	e vind	damag	ge to	trees	, barn	s, sheds, etc.
Toole County	Hail	Evening stones we l grains.	re nea	*li mly two	inch	O es in	2 dlame	ter.	Hail Damage mostly to	Cherry Counties	5 Bail		le brasi						Hail and strong winds inued southeast-
Great Falls, Cascade County		9:47 - 10:05 a.m	1 1						Funnel Cloud	Carleton to Belvidere	dama 5	ge from he night	il but 10	mostly * 1	from	o win	i. 0	4	Some property
Eastern Glacier,	Stat	el cloud ion - did Afternoon	not t	ted 10 : ouch gr *3-10	uiles pund. O	west	of We	ather	Eureau Airport Thunderstorm,	Near Wilber		damage si 12:15 a. -12:45 a		along p	ath o	o lith	local 0	areas 5	of severe damage. Hail
Southern Toole, and Liberty Counties	This	storm wa	150 8 one	of the	nost	destr	uctive	exper	High Wind, Hail ienced in the	Southern Fanhandle	Stor scat		3/4 iz s else	ch dams Where	ged 🛊	heat	com	will	recover. Some
	ward and ings	sed the b to south did consi . Swathe	order of Ch derabl d grai	north o ester. e damag n was c	f Bro Wind s to omple	wning s wer grans tely	, and e esti ries a destro	continuated nd oth yed.	ly afternoon, ued southeast- 80 to 100 MPH er farm build- Hailstones		Scat	7:00 p. tered area	10 s in E	* 1 brrill	Cher inch reas	C enne, diam	Gard	n. Det	Hail and wind ael and Keith ground to a
	not	rity of s pass over	tomaw emyt	as not nickly	deter popul	mined ated	for s	everal	ter. The days as it did	W. Chase County	Sta	4:00 p. nes 1/2" t	_	- }	-1	0	0		Ha11
Fairview, Richland County Culbertson.		Evening Afternoon	30	*2	0	0	3	4	Thunderstorm and Hail Thunderstorm.	Near Smithfield Northeastern Nebraska	Hai	4:30 p. 1 fell bri 6:00 p	ny.	# 2 Ground 7	0 cov.		minor y 1/2 4	to 1	Hail stones. Hail
Roosevelt County		stones we			j	İ		,	Hail, Wind		Sca	to abt. midnight ttered are	as in	Holt, s	outher	rn Kn	OX. 50	uthern	Cedar, intelope,
See reference no	tes	at end o	of tab	ole.			-				but	ranged up th of 2 in	to 2-	1/2" and	in	Bome	places	cove	ed ground to a

	7		РАТН	ž		OF SONS	ESTIM. DAM						РАТН	E	NO. PER		ESTIM/		
PLACE	DATE	TIME	ENGTH OF PA	WIDTH OF PAT (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF PA	WIDTH OF PAT (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
NEBRASKA (Cont'd	_							L !					لــــــــــــــــــــــــــــــــــــــ						
Southwestern Cheyenne		2:00 p	20	* 1	0	0	0	4	Rail	NEW JERSEY									
County		3:00 p. to 1/2 in							4411	Gloucester County	On	7:10a a county :	oad in	West I	l eptf	rd T	ownshi	p, Glo	Pog cester County,
astern Nebraska		2:30 p			0	0	4		Rail			river was vy fog.	Killed	i in a ?	iead-	n ac	cident	durin	a period of
	Man	9:30 p. y scattere	d ares	s in Ha	milto	n, Pe	1k, Y	rk, T	ayer, Seward,	Monmouth County	29 The	Daytime	oh ste	tion N	nort	d a	5	e 5.5	Heavy rain inches of
	Sto	nes mostly	1/2 1	nch to	3/4 1	nch d	nite : liamet	atter r gav	in time or space.		rai	n in 9‡ ho	urs, w	ith 3.3	<b>50 in</b> c	hes	fallin	ine	1-hour period.
	gen	erelly but	was ]	ocally	Sever	e-					Bre	nch, Sprin	g Lake	, and I	ort I	Iommo	uth.		y v. 2026
15 North Lincoln 10 NNW Omaha		11:45 a.							Funnel cloud aloft	NEW MEXICO									
fortheastern Nebreska	14	12:45 p. 1:30 p			0	0	0		Funnel cloud aloft Hail	Eddy County, northern	2 Sm21	3:00 p.m.		?-	0	0	0	0	Tornado
OT OF GOVERN WEST OF ALL		3:40 p.	ļ.	as in	1	+		1	, Washington and				coucn	ea grou			İ		ountry, no damage.
	Dou	glas Count	PS.	Hail mo	stly	1/4 1	0 1/2	inch	iameter.	Albuquerque	8   12001	p.m.	anned .	L	0	0	5	0	Heavy rain
Southeastern Nebraska		İ	1		]	0	4	5	Hail .		Heav	iest rain ral famil	all o	recor	d in	80 md	mute a	nd one	lands areas. hour periods.
	Man	1:00 p 5:00 p. areas in	jJeffe	rson, G	age,	Otoe,	Nema.h	a and	Richardson		dros	med in ra	in fil	led exc	avati.	on.			
	Cou	nties. Al meter. Gr	l eize	stones	rang	fing f	ron pe	a size	to 3 inches in	Socorro and vicinity	9	p.m.			0	0	5	, la	Heavy rain, wind and hail
lO miles NF Atkinson	18	6:00 p.	short	DATTON	0	0	7	?	Tornado		Floo	d damage	o hom	es and	busin	ess t	mildir	gs. St	reets badly eroded
	con	thed groun ection wi	d brie	rly and eries o	reer f lar	ge se	vere h	8. O	curred in orms.	}	High	winds de s. Hail d	stroye	d a lig	ht pl	ane a	t the	ai rpor	t and damaged
Numerous areas from	18	5:30 p	250	?	0	0	6	. 6	Hail and high wind	Los Alamos	10	3:00 p.m			0	0	<u>l</u>	0	Hail
north-central to southeastern Nebraska				hafl S	1000	hrok	- ent	in Hol	t County at				easter	n secti	on of	town	. Stor	es 1½	to 2 inches in
	5:2	O p.m. an	10:30	south	east	at 40	miles n into	per h	our reaching Gage	Raton	11	ter.			0	0	14		Hail
	acc	hail var ompanied	ied fr by dam	on place eging w	to inds.	place Hai	and w	as occ	asionally most places	nacon		p.m. derable d	awa.ge	to neon	[		-		ows. Hail stones
:	net ret	Sured from	n one	to two:	inche at a	numb	diamet er of	er, bu	t many times Were described		up t	la inche	s in d	Lameter	repo	rted	-		
	as fla	"soft-bal t and jag	size ged, a	or ne	erly al ro	four und s	inches tones	in di fell.	ameter. Both Buildings and ing from chickens	Ribers	12	6:20 p.m	•		0	0	13	0	Hail
	and	pigs to	ere a	verely	dama	ged,	animal at ma	ny pla	ing from chickens ses crops were a		Hail wind		to 2	inches	in d	ame.	ter dai	aged o	ars, roofs and
	Gas	plete los field, Bo	ne, N	ence, M	repor	ting k, Yo	the la	rgest ward s	losses were Holt, ad Saline. Other arce, Valley,	Lea County, northern	12-				0	0	0	h	Hail
	O.T.	eley, Whe	ler,	Custer,	Howa	rd, H	all, A	dems,	Folk, Lancaster								od dams	ged h	ndreds of acres
Panhandle and south-		7:00 a	2 <b>7</b> 0	* 5-40	0	0	5	6	Hail and	Tamburton.	14	tton, veg	B.csp.Te	and Ie	0	ope.		0	Lightning
western Nebraska	As	1:00 p. eries of	mail a	torms in	n Daw	es, B	ox But	te, Sh	damaging winds eridan, Keith	Levington		njured wh	an lio	htning	-	ļ.		İ	menamme
	Pez	mins, sou nties. A	fer i	Lincol:	stor	es, as ea	Hitche rly in	the E	d Red Willow prning. Just	NEW YORK						[ <del>-</del>	]		
	7007	ed rapidly	sout	deastwa:	rd vi	th lo	sal se	vere d	th County and mage from there	Scattered sections,	2	late			1		•4	C	Severs thunder-
	007	ered loca	lly by	stones	3/4	100 1/2	ounty inch	Ine s in	ground was diameter and in from 50% to 100%,	including Glens Falls and Klmira areas		afternoon	_						storms, wind, heavy rain, hail
	wit	h conside	rable	Amage	to bu	ldin	s and	autor	obiles. Between		brie	f rains a	d hai	l. Nos	\$ sev	re i	h the	(Hens	ing winds, heavy Falls and Kimira
	Box	Butte an	d Sher	idan Cor	untie	# ran	king f	rom l"	to 3" dismeter		and	hail in ti ra area w	e Gle	ns Pall:	s are	à. I	over 1	ines k	mage due to wind nocked down in
Lebanon	[	Parly		1	]	ipon )	-	٣٠.	Funnel cloud aloft	Miagara Frontier area	7	4-5 p.m.	8	perso	l .	O E	2 eTec	FLICHT	Tornado
	,	aftermo	4	,						north of Buffalo	İ	ow track	l					es etwa	of through the
South-central Nebraska	22	3:00 p 7:30 p.		* 1-6		0	4	6	Hail and wind		Town	of Tonson			alo	g a	path o	abou	8 miles.
	Hai and	moved sou	egan i	theastu	ard a	cross	Ster (	ounty	in mid afternoon	Scattered areas across the State		early morning					5		Thunderstoms, severe lightning,
	3/4	inch, wit	s Cour hafe	ties by one i	ever	ing. p dia	Stone meter.	Gro	ed from 1/2 to and was covered to lete loss of all		Scat	tered are	s acr	oss the	Stat	, iz	parti	cular :	heavy rain, wind yracuse, Utica,
	Cou	ho tehotre	to 4 1 d in E	nches i	as,	Storm	nters.	Comp post s	lete loss of all vere in Gosper		thur	derstorms	accom	danied 1	pa m	isosi	1v asv	ere 11	received severe
Northeastern Custer	í	1:30 p									to f	ire caused	by 1	ightnin	g; vi	oon. Coppi	ead lo	es of	arns were lost ower in many com-
and Sherman Counties		3:00 n.	10	to cro	o be by	0	0	4 hail	Hail that covered the		in S	yracuse,	Numero 3 inc	ous dear	the i	dire	otly o	aused for hor	It line knocked ou by the storm con- ers in some of the
	gro	nd in spo	18.			74	7-		saao coverea die		stor	areas.	]					- I	ars in some of con
Berea Vicinity		4:00 p. le size s	4 tones	* 2 covered	O grou	o to	0 4–5 1	4 nch de	Ha11 oth.	Little Falls area	17	12:30 p.r	1	ŀ	0	0	4		Severe thunder- storm, high winds
7 NP of Hebron		3:15 p.							Funnel cloud sloft		Seve tree	re thunder svith re	storm ultin	with a	ty di	orna mage	dic ty throu	e vin	s; numerous large the city; wide-
NEVADA		1	None	repor	ted					Magaza Palla	spre	ad damage	to por	ches, 1	ouees,	eto	†		
NEW HAMPSHIRE	_			-						Miagara Falls area	Seve	2 p.m.	cal s	ora - :	2 gol:	O	1110d	by 114	Thunderstorm htning while stan
iesre		About 4 p		20 but pa	0 th wa	0 B for	3 tunate	-2- 11 y mos	Tornado tly through woods.		ing	under a ti	ре пес	era god	lif coa	rze	during	heavy	rain,
Salem		5 p.	5 f1:	400	0	1	5	0	Tornado	Long Island, western and central sections	Ī	during day	l			1	5		Thunderstorms, heavy rains
	town	rd southe	asterl	y direc	ion.	шкес	rrees	and I	wildings in path,		12 1n	ches in o	ia bour	d. Khome	erous.	ll 1oh	tning	atri ka	nches and around with at least
New Boston		3:30 p.		narrow ines in	0 path	dame	3 ged.	0 Some v	Tornado Indows broken in		Exte	private di naive flor	ding	s and a	lar 3 fe	e cl	depth	rec Tra	iving strikes. fic tie ups and thing that
		4	L	h	1	1 5017	۳	. و حال	inch in size.	I	فللتسا	cheted of	- newst	Rear O	de 201	<b>ֈ</b> ՆՈ 8	urnek	wy Lig	runing that

		,																JULY 1961
		PATH	를	NO. PER		ESTIM DAM						PATH	Ē		OF SONS	ESTIM DAM		
PLACE	DATE	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
NEW YORK (Cont'd.)		1							NORTH CAROLINA (Co.	ht'd	)  )							
Scattered areas across the State	24 afternoo	n		1	1	5		Thunderstorms, heavy rain, high	Halifax County	26	5:30 pm				1 -	4	a	Small Tornado
Beloss die State	1 1	-	surith i	heavy	rain	. dem	ging	winds winds and severe		Mason	ry store	buildi	ng demo	lishe	d. I	unne1	seen.	
	lightning de	mage. In S	At Buff gracuse	12.00	e men O hon	was .	dlled re wit	and one injured bout current: winds	Granville, Person Counties	26	Aftn					4	5	Hail
	up to 54 mph burned in On	; over eida Co	one inclunty; a	of r	ain i Rock	n a b ester	ief t	me. A barn was formis and Sheldrake			damaged t				горв	over 1	0 sq.	mi. area; also
	Plattsburgh in Orange Co nine homes w	unty an	d a hom	e burn	ed at	t Nyaci	ing. k. In	barn was burned Staten Island	Wayne County, Seymour Johnson Field		5:45 pm			1	0	0	0	Electrical
Long Island	26			1				Extensive heat and high humidity	`	l	orce Colo		lled by	ligh	tning			711
}	A woman died and high hun	of head	t prost	ration	duri or si	ng a y	eriod	of extensive heat	Iredell County, Statesville	27 Home	Late aftn		fohtní	no.		3	0	Electrical
Chateaugay, Franklin	29 afternoo	es .				4	·	Thunderstorms	Cumberland County	31	6 pm	,	- Zgiicii z	, .		0	4	Hail
County	Severe thude burned.	ratorna	with 1	ightni	ng de	mage :	and ba	ns and homes	,		co, corn	and co	cton cr	ops d	RMAGE			ed area.
South-central counties						6		Severe thunder-	Beaufort, Craven,							5	6	Rain
	Specifically	the Ur	adilla-	Sidney	ares	duri	ng the	storm, heavy rain early morning hours		Rain								ounts during
	severe thund	erstorn Sidney	Damin	7 in	ches	of ra	nfall	r of rain from on U.S. Engineers'		nutr:	June and Iment from Ining coun	Lands	over m	ea ar	E the	se and	perha	nd leaching of ps portions of
	Severe local	1201 fl	coding :	in the	STAR	ll atr	ama a	measured 5 to 6 ss of 7 inches, ad brooks turning	NORTH DAKOTA	[								
	the streams to reads, st million doll	into re reets,	ging to buildin	rrents gs, ra	. Fl	ds an	mage farm	as quite extensive lands; one or two	Fargo, Cass County	13	4 PM							2 funnel clouds
Syracuse and Rochester				1	0	05	C	Thunderstorms,	Emmons County	17	4:50 PM							aloft Funnel cloud aloft
areas	afterno & eveni							damaging winds, lightning and	70 miles se of Bisman								ļ	
	Severe thund	erstorn	with	denegi	ng vi	nds a	nd lig	heavy showers thing and heavy	Divide County, Crosby- Ambrose-Fortuna area	ı	and eve.		*5			3	4	Hail and wind
	low level fi	ash flo	oding,	COMMUNI	icati	on an	d powe	Considerable lines out, trail- If their foundations		dem	age would	everag	ge with e 75 pe	rcent	in I	ortun	-Colg	amage. Hail n area.
	hundreds of	acres o	d corn	and with	eat d	anage	torr	ined. Crop losses a near Syracuse	Northern Renville and Northern Bottimeau	ļ	evening	75		0	1	5	4	Hail and wind
		larly s						r area due to	counties	A s hai	eries of t in a bar	hunder I alor	storms g the C	some	accor	penied ne. 1	by di	maging winds and il damage in the
Western Long Island-	31 4-7 p.n	i		0	0	5		Thunderstorms,		Lo	er area. raine-Moha	Prope	rty dam	age s	ppea.	ded mos	t seve	re in the Antler-
Staten Island area								damaging winds, heavy rain		Met	goshe. 2	fumne	l cloud	s rep	orte	at A	a car	per at lake Winds described
	widespread f	ldoding	of str	eets,	home	and	1ghva	resulted in vs. Some areas re trees and power	Benson county	17	10 PH	25	*2-3	most	DI W	L Came	ge. 4	Hail and wind
	and communic	atton 1	ines do	n, su	buaya	stop	ed an	highways were	Minnewaukon-Tokio area					the w	prst	1	1.	the county. Many
NORTH CAROLINA		1								oro	s total 1 erely.	oss.	Numbrou	s bud	lđing	s blow	n down	or damaged
Anson, Caswell, Gran- ville, Rockinghem	3 4 pm					0	5	Hail	60 miles SW Fargo	19	1:45 PM							Funnel cloud
Counties  Bertie, Cleveland,		1	d about	75 pe	rcent			erable areas.		Pub Eng	lic report Leville, N	ed fun Dak.	nel clo No dam	nd to	uchir ppare	g grou	and bar	efly near
Comberland, Granville Halifax, Martin, Nash	6 2 - 5	pu				4	6	Hail	Cass county west of	20	11 AM					-		Funnel cloud 4
Rockingham, Sampson Counties	Extensive da Most damage							ut 60 square miles.	Pargo									miles north of Mapleton
Columbus, Robeson	7 5 pm.		•		]	4	5	Hail, Electrical	60 miles West Fargo	20	2:27 PM							Punnel clouds
Counties	Tobacco dama			mt.	area	Hous	e and	bern burned when		3 ft Val	nnel clou	s rep d Jam	orted by	hig povin	may g sou	patrol theast	in Ba	rnes county between
Durham, Granville,	struck by 11 12 6 - 7	1	1			4	5	Hail	Dickey county,	1	2-3 PM	20	*5			2	4	Hailstorm
Pender, Wake Counties	Crops damage		15 sq. 1	. m	ost d		l	tobacco.	Monang. Ludden area									
Sampson County, 3 mi.	12 1:30			8	1	0	0	Electrical	Cass couding, Buffalo- Pillsbury area	20	afternoo		۔ ۔ ہفر	_	01-	2	.4	Hailstorn
south of Clinton	Nine tobacco	worker	s, aged	13 to	70,	struck	while	taking shelter in	Stutsman county,	Ha1.	up to 1 afternoon	Luch 1	*3	er.	3102	n last	ad 15	minutes. Hailstorm
	heating syst	em agai	nst whic	h vic	tims	were 1	eaning	ntly struck metal Only one outside building	Buchanan area		3 ft. dr	ifts o	1	repor	ted 1	ŀ	,	Storm moved
	were unhurt.		wor!	ש פגב	MARE	Abeu 8	me re s	ourside miriging	<u> </u>	nor	h to nort	east.						
Buncombe, Burke, Foreyth, Guilford,	15 3 - 5	pm.				4	4	Hail, Electrical, Wind	5 miles east Jamestown	1	1:14 PM							Funnel cloud
McDowell, Surry Counties	Hail damaged	crops,	nainly	obac	co.	Wind a	nd 118	htning damaged	12 northwest Jamestown		2:14 PM							Funnel cloud
	roofs, trees hour recorde						usts t	o 68 miles per	10 west Fargo 40 NNW Jamestown	21	4 PM 11:20 AM							Funnel cloud
Wilson County	17 2 pm					0	4	Hail	- Semi Semes MAII		rved movi	ng sou	thwestw	rd f	or 3	minute	<b>s.</b>	Funnel cloud
	Tobacco crop	severe	ly damag	ed ov	r 1	sq. mi	. area		45 NNW Jamestown		12:03 PM erved by	ighwa	patro	l mov	ing s	outhwe	stward	Funnel cloud
Cumberland, Hoke, Pitt Counties	18 Late af	1	.			5	6	Hail, Wind	40 N Devils Lake	22	1:25 PM							Tornado orthwest of Clyde
'	diameter. C	tops ove	<u>e</u> kr 20 sg	mi.	near	total	destr	up to one inch in uction. Also		obs	erved to	ouch	he grou	md b	riefl	7.		
	widespread 1: Light damage	other i	nage to	roofs ties.	and	buildi	ngs by	wind and hail.	15 SE Devils Lake	22 Obse	3 PM rved movin	g fro	southe	ast	to no	rthwes	l.	Funnel cloud

		_																	JULY 1961
			РАТН	H	NO. PER	OF SONS	ESTIM. DAM	ATED†					РАТН	Ę	NO. PERS		ESTIM/ DAM		
PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
NORTH DAROTA (Con	t'd.	h l		i ·					1	OKLAHOMA (Cont'd	))	1 1					1		
20 S Grand Forks	22	5:11 PM							Unconfirmed tormado	Coalgate, Coal County		noon g men was on was kn			1 ghtni	O ng wh	0 dle ou	) tin o	Lightning pen and a com-
Dickey and Lamoure counties									Hail and wind tornado ley did no damage.	Kiowa, Pittsburg County	12	p.m. was injur	la -ha		0	1	0	0	Lightning
	com	field. Se	vere	hail ca	used 1	huch	erop d	amage	passed thru a over a path up to and winds.	North-central, Central	13	р.ш.		l.	0	1	4	?	Lightning, hail
CHIO		!		Ì				İ			Sev	re thunds: the State.	rstorm Mary	noved lightn	acro	ss no trike	rthern s were	repor	astern sections ted and several ed in Miami when
Darke County	Hear	Afternoon y thunder	torn	*3	O ccomp	0 anied	3 by ha	11, cr	Hail, rain, wind		lig rep	htning str orted from	ack th	home.	Ha1	l up	to one	inch	in Miami when in diemeter was a crop damage was
Ì	and	oat field	, fru	it tree	s, et	c. I	a Fort	Jeffe	age to wheat, corn	N	not	1				١,	ء ا	ا ا ما	   B. 4. 3.131-4
	loc								r bodies. Other , Ithaca and	North-central, Central, Northeast and East- Central Sections			rsterm	s dropp	0 ed he	1 evv	5	5 ver w1	Rain, heil, wird, lightning despress areas of
Cambridge	19	Afternoon			4	0	0	0	Lightning		nor	thern and	easter	n Oklah	bas. t	he l	th and	early	the 15th.
	Four	construct	ion w	orkers	ho h	d so atnin	nght s	nelter	from the rain		flo	dding and	rloodi	ng resu	lted.	Hee	viest	rain f	ell in the Strong winds
Sidney	28	8:55 PM		200		22	05	c	Tornado		cau	sed genera	l dama	ge. Th	e wor	et de	struct	ion wa	s a shopping es were destroyed
ozeney .				Į.	1	ļ		1	in the Stewart sub-		or	damaged by	light	ning st	rikes	10 1	he are	a. Ma	n was injured e in Lincoln
	div den fur	sion in se sging 7 ot ther damage	uthwe ters. to b	tern e It the wilding	dge o s ski s res	f Sid pped ulted	ney de to the	stroyi downt	ng 10 homes and own area where se heavily damaged		Cou	nty. Scat. damage ev	tered identl	hail ur	to o	ne i	ch in	diamet	er was reported
		the Sidne	1	ine Too	١.	Ι.				Bluejacket, Craig County		funnels w	ere si						
Ansonia	28 A h	8:45 PM		200	0 atly	-	05 nating	1	Tornado the Indiana		tim	djacket to d, was sig t of the C	nted r	ear the	Welc	h an ho R	the :	econd,	about the same
	bor	er, first	struc	k Union	City	at 8	30 PM	i, ther	touched ground	Tulsa, Tulsa County	16	7:00 p.	ĺ	?		0	6	С	Hail, wind, rain
	occ	pied hous	e trai	ler was	demo	lishe	d and	the to	o occupants carried	Tursa, Tursa Country	Sev	ere thunde	retorn	s with	baseb		ized h	ail, s	trong winds and
	wer	destroye	. Ab	out 9 P	it	couch	ed gre	and a	s on four farms sain 8 miles farther s observed in all		of	roofs with	heavi	est dan	age i	h ea	tern :	ection	s of the City.
	thr	en places.		7,,			- Wa	- W	TODELVES IN CIT										eived hail rees and utilities
Troy	28	10 PM	Short	Narrow	0	0	4	0	Tornado	Chouteau, Mayes	16	7:00 p.	15	5*	0	0	3	?	Funnel aloft,
	8 B	mall torns denly ends	do sud d. Wh	denly s istling	truck and	near	the o	center	es resulted when of Troy, then as ard by residents		to								uteau. Hail up outh of Locust
Hilliard .	28	11:30PM	(	500	0	0	94	c	Tornado	Tonkawa, Kay County		3:12 p. ere thunde hted funne	rstor						Funnels aloft awa. Public
									en Scioto-Darby Cr.	Southwest and Central	1	p.m.	?	,	0	0	?	?	Rain
	lif a b	ted, but a cusing dev	paren lopue	tly tou	ched	light	ly aga	dn abo	pet 3 miles east in	Sections	Hea	y rain of	up to	5 incl	nes fe	11 0	wer an	extens	ive section of the
	All	telly war	e abo	ne torn	adoes	WOTE	аррат	ently	distinct from each		but	there was	conci		flas	h n	doding	1	flooding resulted,
	oth	er, but oc	curred	as par	t of	the .	ama ti	nder	storm system which	Ecalester, Pittsburg County	21	8:00 p.			0	0	0	0	Funnel aloft
Eldorado	31	5:30PM	1		0	1	1	3	Thunderstorn wind	Fairland, 5 miles East, Ottawa County	22 To:	12:18 ;	Ì	?	C a	0 nd c	4	0	Tornado nmage to 5 large
	CEO	ps in the	vicini	ty of B	Idora	do.	Sany t	tees 1	to property and were uprooted, med. While this		bos	ts at Port	Aspin	wall or	ı Gran	i La	Ne. S	veral	300 pound concrete
	des.	age resemb erved. Hi	led th gh viz	et done	by s	mell Lange	cornec	tees, :	no fumnel cloud was it and soybean crops in Darke Counties.	Carvin, 2 miles east, McCurtain County		6130 a.	-	25	0	٥	3	0	Tornado
	Sim it	ilar thoug traveled e	less	extens	ive d	anage	WES (	ione by	the same storm as	Guymon, Texas County	To:	p.m.	ed hor	e and	tore t	to tar	еев.	?	Funnel aloft,
OKLAHOMA	com	mities.	}								0	rone shares		A	hant-	, ,	M45 m^-	th Tar	rain, hail, lightning as County caused
Purdy, Garvin County	To:	J. 5. F.		100	O fe		4 000	? Pumi	Tornado, rain y. Heavy rain,		fl	oding over	the a	rea as	unofi	ricia	Aly up	to 7:	inches of rain
	egt	mated at	4 inc	bes, fei	ll in	1/2 1	hour f	ollowi	ng the tornado.		of	Guymon. S	ome ha	il str	ipped	leav	es fro	maize	hted just north in northern cattle near
Blackwell, Kay County	1.	6:50 p.			0	1	4	7	Wind, rain, lightning	OREGON		ilma.							
	per	hour, cat	sed d	amage t	o bui	ling!	s, tre	es, ut	ed up to 90 miles idities, etc. over was hardest hit	Entire State	Mos of				1	Un- lanow	3	6	Abnormally hot weather
	pa	the storm	which	noved	sbuth	ward.	Heav	y rain	of up to 4 inches		mont				_				
	0.5		Linco	1h Coun	ty. I				s reported north a man and knocked		rec	ords for p	rolong	nd hot	spell	Save	ral st	ations	resulted in near This following
Custer, Washita,	22		,	5*	0	0	,	5	Hail, wind,		wat	er and soil	l mois	ture sh	ortagi	e in	centra	l, eas	us irrigation tern Oregon. Sear-
Beckham, Kiowa and Greer Counties	1		1	-	1		1	1	funnel aloft ize of golf balls,		Cow	ty proces	sing p	as, Co	limbia	Bas	in gra	ins. (	ality Umatilla aused bean blossom
2200. 20000523	and	strong wi	lods m	oa bevo	ath-e	outhw	estwar	d from	southwest Custer		to 1	death att	rall I ributed	efore :	fruit at ext	set. naust	in Wil ion.	lamett Hot, di	Valley. At least ry weather created
Į.	Cot	inty, and i	porthe	ast Cre	est Car	unty.	Also	ther	y, northwest Kiowa were isolated		AG1.	serious :	nire di	inger i	n gras	sja an	d fore	s t land	ds of State.
	Son	me reports	indic	ate 2 f	e¢t o	f hai	l in d	itches	est Jackson County. and ground covered.										
}	Set bed	reral thous	a banka	cres of	cott	oh we	re des	troyed	and sorghums were reported funnel										

	. '	1	PATH	Ę	NO. PER		ESTIM/ DAM		CHARACTER OF STORM				РАТН	F.	NO. PER				_	
PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS		PLACE	DATE	TIME	LENGTH OF P (MILES)	WIDTH OF PATH (YARDS)	מורפס	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	
OREGON (Cont'd.)		}		1		1		-	,	PUERTO RICO			None	reporte	1					
estern and Central Pregon	12	Afternoon				in- moun	4	Þ	Thunderstorm	RHODE ISLAND			None	repor	ted					
	Prece	ding hot	weathe	r, low	humid	ities	had a	lready	created very	SOUTH CAROLINA			,			_				
	store	s with li	ttle a	ccompan	ing	preci	pitati	on tou	ched off large	Alcolu, Clarendon County	15	6:30 p- 6:35 P	2 v.	100	0	0	4	0	Tornado	
	cont: Three	olled bef of them,	howev	aching er, bur	ced o	han ver s	a frac	tion o	f an acre in size.	Charleston, 35 miles	15	el observe 9:15 p	ol. M	yea in	0	0	east.	0	Funnel cloud	
		y in gras	1	Very		e tim			]	northeast	Clo	d observed								
Number Areas in South- Western and Eastern Oregon	14	Alternoon			0	1	5	5	Thunderstorm, Hail, Rain	Rock Hill, York County		Afternoon   funnel			des	0 ende	2 1. Di	0 sappea	Tornado red rapidly.	
	rema:	ined compa	ative	ly smal	i, n	re in	Umati	lla Na	le most of these tional forest land	Prosperity, Newberry County	16 Inji	5:00 p	fiel		0	1	0	0	Lightning	
	Ivo 1	fires in D	schut	es Nati	onal .	fores	t burn	ed ove	bre being controlled r 1,500 acres and	Timmonsville, Dar-	17	Afternoon			2	1	0	0	Lightning	
	ære	between 1	500 a	ad 2,00	o men	enga	ged in	fight	At one time there ing fires. In some his storm. In	lington County	1	ry and fat	aliti	s in o	en f	eld.			Brown 1 - lands	
	colur lair	mbia Basin ming 50% t	a few	barley	fiel	s we	re fla	ttened	with some growers damaged by erosion,	Florence, 20 miles northwest	17 Pil-	t reports	indica	te fun	el c	louds	0 aloft the cl	dropp	Funnel clouds ing down to about se at 2500 ft.	
		slides.									m.s	1.	J						2,000	
North Central Oregon	-	Afternoon		etarted	0	0 ahtn	ing h	4	Lightning	Columbia, Richland		All after			0	2	3	0	Severe thunder	
	gras	s and sage	brush	land of	John	Day	River	Canyor	and near Pilot	1	to		Light	ing ca	sed				age, interruption hail was reporte	
PENNSYLVANIA		ssive.			ĺ					McColl, Marlboro	18	4:00 p-	1113 51	une car	0	0	ŀ	0	Severe thunder	
State-wide	1	Night A.M.					6		Thunderstorms	County		6:00 p							storm and heav	
	Thu	nderstorm	in m	st are	us cau	sed :	ome lo	cal f	lash flooding in		Hear	y rain of erable local prent and	over L	.5 inch ding.	es fo	ll i	knock	cd out	There was con- much electrical	
	a f	rniture i	actor	in Wi	liam	a nu port	which	f buí resu	dings, including ted in an estimated	Mear Hilton Head	21	7:00 a-		10, 40,	0	0	0	, ,	Funnel clouds	
State-wide		Afternoon	OTIEL	d damage			5	3	Thunderstorms	Island, Beaufort County		7:45 a funnel clo							a bank of cloud	
		& Evening						-				nt 1.5 mile The waters		or Hi	ton	lead .	sland	Two	reached water,	
	The	storms wi	ich m	ved ac	ross t	he st	ate p	odu ce	d excessive rainfall communities.	Kingstree, Williams- burg County	26 Cont	night ents of he	use di	maged.	0	1 pant	2 hospi	0	Lightning d by bolt.	
•	Lig	ntning fir	edaı	umber (	of hor	es ar	id barı	s and	strong winds caused	Brownsville, Marlboro	28	2:30 p	ļ		1	0	0	0	Lightning	
Bastern Counties		Morning			ı		. 5	3	Thunderstorms	County		struck t		woman	hang	ing c	othes	near	tree in back ya	
		& Night								Kingstree, Williams-	31	Afternoo			1	0	n	0	Lightning	
	One bur	woman die	d by a	sphyxi htning	tion strik	near	Scrant	on wh	en her home was ear York was fired	burg County SOUTH DAKOTA	Sot.	struck t	ree na	ar which	the	Vict	in was	stand	ing.	
	by and	ightning	and bu	ormed to sted at	575,0	groun	d with A numi	the er of	loss of building other structures	Rochford, Pennington County	5	p.m.				1	ļ		Electrical	
	wel	e fired by merous bas	light	thing t	brough	out t	he are	а. н	eavy rain flooded			burned ser		on lei	t sic	e an	knoc	ked un	conscious by	
Southwestern Counties	24	Evening					4		Thunderstorms	Eastern Half	11gr	tning bolt	•			1	5	\ <u>_</u>	Hail, rein, wir	
	nun	her of roo	fs, o	verturn	ad hou	se tr	ailer	, and	winds demaged a moved a home off			10th to pm of	 			-		-	electrical	
		foundations ong winds.		ear Oste	erburg	a ct	urch v	as un	coofed by the			11th								
Extreme Eastern Counties	24	Afternoon & Evening		٠.	1		4		Thunderstorms		to a	cattered s	reas 1	rom Can	pbell	Cou	ity in	the n	d various damag orth central to an estimated 30	
		vy rain re							Lightning fired a		to T	per cent h of Tynds	loss	of crop	a nei Cour	r Her	reid, Heavy	Campb	11 County, and of over 2 inches	
		ber of hou Bucks Cour		barns.	Nir	e cou	s were	elec	trocuted by lightning	В	caus	ing extens	ive f.	food dar	age 1	to bu	siness	estab	the 11th, lishments, home: 90 miles per ho	
Near Philadelphia	26	Night					4		Thunderstorms		and	some hail	damage	ed crops	. ut:	ility	lines	and	boating install injuries when	
		titning fix			hich	tons	of he	y, who	eat, straw, barley		caus	ok by lighted fires	tning estro	at Trip	p, it the	tchi 1,0	рвол С	ounty.	Lightning- ay on two separ	
Lancaster-York Area	29	3:00 A.I	j 4. 5	500		2	6	2	Tornado .	Minnehaha County	fari	s at Frank	fort,	Spink (	ount	•			Brown at 1 Clause	
									torm unroofed a	Administration of the control of the	Į.		fumne	l cloud	abor	at 20	miles	north	Punnel Cloud est of Sioux Fe	
	and	i demolish	d aut	oks. In	addi	ion t	o the	roofs	flattened crops torn off & ded \$200,000,	Southeast	14	p.m.	120	3*			5	5	Hail	
	whi a r	e damage umber of p	to a :	store w	Lanca	imate ster	d at :	100,0 en es	00. Tree damage in timated at \$500,000.										age from south-	
	Sev Yor	eral house t area a :	trai umber	lers we of hou	e als	re ut	rturn	d and	damaged. In the near Marietta		sout	hwest. He	avies	damage	to	ropa	and p	ropert	es in the extre occurred in on counties.	
•		2,000 vol					own.	A num	ber of small		From	n 75 to 100	per o	ent los hese co	s vas unti	812.8 8 •	tained Six sm	by ri	ening small craft were	
Corry	31	1:00 A.H	ł	50			4		Tornado		ride	led by hat cars were	l at i	he Mito ively d	hell amag	Airp d in	the n	ile v	indows, building half of this	
	buí	idings on	a far	near (	фrry.	Fat	n nacl	inery	several other an auto, 3 cows		beli	west and	south	of Alex	candr:	ļa, R	nson	County	d in a narrow with accompany	
	and								estroyed by the	1	Lowe	the hall	beev	ly dame Losses	ged (	z ops	on 50	farcs	ng into northwo	

			РАТН	Ŧ		OF SONS	ESTIM. DAM						PATH	Ŧ		OF SONS	ESTIM DAM	ATED† AGE	
PLACE	DATE	TIME	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF P	WIDTH OF PATH (YARDS)	KILLED	NJURED	PROPERTY	CROPS	CHARACTER OF STORM
SOUTH DAKOTA (Con	'd.	)							1	TEXAS (Cont'd.)		[		ĺ			1		
Isabel, Dewsy County	Man	early pm	lighte	ing bol	1 t whi	ile r	ding	n far	Electrical implement.	3½ NW Katy Waller County	nor	ևո 1/և ամ1	e befo	ice fie re Lift	ing o	ff ti	0 ved w e fie	et abo	Tornado ut 1/2 mdle, the ter was picked
Southeast	Acci	dent occur	red ei	ght mil	les so	outhe	st of	1sabe	Hail, electrical		1	rom the f	Looded	rice f	leld.				
oon cheer c	Hail ripe	ning grain	crops	in an	area	of 3	100 pe	cent e mil	loss to corn and as east of Wagner,	15 NW and 20 S   Shawrock   Wheeler & Collinsworth   Counties	5	7:51 p							2 Funnels aloft
	Scot	land and i	arm bt	ilding	near	Spri	gfiel	, bot	re destroyed near h in Bon Homme	Jefferson County	6 Sig	10:47 a ted 5 ESE	Beaum	ont.					Funnel aloft
Northwest and Central		25th to early am					4	5	Hail, wind, electrical	5 SW Palacios Matagorda County	6	12:50 p							Funnel aloft
	From	of 26th 50 to 100	per	ent los	s of	crop	resu	ted f	rom hail over	Near Indianola Calhoun County	6	af ternoon							2 Waterspouts
	size Onak	able acres	ges ir	the fo	llor: Sul	ing a Ly Cor	eas: nty;	Bison und we	, Perkins County; st of Miller, oken off; oats and	10 NW Morton Cochran County	8 Hail	7:30 p	?	?	0	0	?	?	Tornadoes and heavy rain, had
	whea disc	t were flu ed. High	ttened winds	; and h	cord	and h	d the	appea 75-80	rance of being miles per hour		the	Star Rout	e area	8-10	miles	nort	brest	of Mor	O per cent in ton. From 3.60 Young cotton,
	Pier	ed numerou	also t	r failt	ires : 1 sma.	and di 11 ca	traged ttle s	treas	Redfield, Spink		7 to	8 inches hed ground	tall d bries	nuffere Ny, bu	d the	gree ed th	test o	amage.	Two tornadoes
•	cent	ral.	rize t	ulls ki	lled i	by 11,	ghtnin	near	Gregory in south		are	is and out	buildi	gs wer	dem	olisi	ed by	strong	winds in the
Beadle County		5122 pm		1 . 6					Furmel Cloud	Walker County	8-16		?	?	٥	٥	٥	5	Heavy rain
	diss	ipated wi	hout 1	touching	gro	und.		ee wes	t of Huron;		vege	rains du table crop estimated	e. De	mage to	Texa	s St	te Pr	ison f	ung cotton and rm crops alone
Mission, Todd County	ļ	2:00 to 3:00 pm	5	Unknow			4		Tornado	Nolan County	9	10:40 a							Funnel aloft
	othe	r farm but el clouds	lding: obser	s and a	catte:	red h	aystac	ks on	dozen barns and three farms. Three three inches	Galveston Bay Galveston County	whe	re they to	þk ref	uge on	Galve	ston	Bay d	dring a	a wooden shed thunderstorm.
	acco	mpenied to									One	boy, age other two	15. wa	s taker	to a	hos	ital.	suffe	ring from shock.
Sortheast and East Central		early pm of 29th to early am 30th		-			4	4	Hail, wind, electrical	Near Oliva Calhoun County	9	afternoon	ł						Funnel aloft
	Ha11	)	s cen	tered w	est o	Sis	setom.	Rober	e County, with	Near Winnie Chambers County	9	5:30 p- 6:00 p		narrow	Į.	0	0	٥	Tornado, funne aloft
	mode to b	rate to he	avy co	op los	ees or Wil	n som ndde	e twen	y far das	ns. Some damage pecial light ad of cattle,		gro	eral small und in mar minutes fr	aph ar	ea. Tì	ne lat	tter:	(unnel	one ap	peared to touch isible for about
	dest	royed a fondaring a financial contract of the	rm she dings,	d by f: Brooki	ire, ngs C	and sounty	truck Bar	numero	as buildings in destroyed by	Stephenville Brath County	9	night			0	0	l <sub>4</sub>		Heavy rain be city within b
TENNESSEE	11gn	tning-cau	ed 11	me ma v	19LK	youn t				2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	min	ites cause	d a se	etion o	the	roo	of t	ne juni	ior high school
Nashville, Davidson County	1	Afternoo	ł	the ank	0 Te an	1	2 Itained	0	Lightning	Nueces County	10-1 Rai	fall of 7	? 35 in	? ches in	0 10 1	0	i, cent	ered in	Heavy rains Robstown, cause
•									es Elementary School.		Dam	siderable age in Rob	floodi stown	ng with	dn th Timed	e cii	y and	in nea	rby areas.
Big'yville (near), Maury County	20 A 1/		bow w	as knoc	0 Red u	1 incons	0 cious	O Crom	Lightning as bicycle and		hou	business s. Crop de on cott	damage	ng wher was mi	e wat	cons:	ood 3	inches	deep for severa
/iola. Warren		rired over					4		Lightning	Near Edna Jackson County	11	afternoo	n.						Funnel aloft
County	A 14	arge barn			aled	bay 1	as buz	ned, a	steel grain	Cottle County	11	6:30 p- 7:00 p	7	<b>*</b> 2	0	0	4	4	Hail
Morristown, Hamblen	23		warped	ano 5		Le wer	0	ed by O	lightning.		Small Deli 1 /1	ll hail de	stroye	d about	3000 ap Co	acre	ties.	Hail	otton in the size varied from ge 1/2 inch.
County	on 1	the Morris	town C	duntry	(lub	\$olf	Course	Bo Bo	truck by lightning th were hospital-	Marlin	12	6:00 р			0	ı	2	0	Lightning
Memphis, Shelby	1zec	4:30 p.	l rema	ins unc	onsci 0	1	ut the	poy	Lightning and	Falls County	lia	12-year-chtning sta	old chi ruck ti levisio	he home on in t	in w	hich d fol	she wa lowed	s livi the wi	her arm when ng. The lightni ring down the
County	An J	8-year ol	r seve	ra⊥ nou	ruck	by 11 Light	ghtnir	g and truck	heavy rain sustained about h0 homes.		sic dan tile	e of the i	ouse levision e oth	into the	a hom	s whe	e it et, an	injure d a wi	the child, ndow air condi- at the time
Hampton, Chester County	31	İ			0	0	5	Ī	Flooding	Austin Travis County	12 Rat	as of up	to 5 11	ches i	0 the	0 West	5 Austi	O a area	Rain, flooding resulted in
	Cree	eks trappe erty dama	d 10 f	amilies	in t	heir	homes	for se	y and Tiger veral hours. , damaged roads		fla son of	sh floodir s homes ar water rush	ng alon nd bus ned do	ng Bull inasa b on Bull	Cree Cree	in W	d floo est Au stroy!	ding o stin. ng par	f streets, and An 8-foot wall t of the boat
TEXAS		bridges.									boa	ks at Bull ts and doo \$200,000.	ks ale Water	lodge ong Lek rushe	and s Aus d 5 f	damag tin a cet d	ing ma nd Bul eep ac	ny boa 1 Cree ross L	ts. Damage to k was estimated smar Street in
Near Galveston Galveston County	l <sub>1</sub>	10:12 a 10:30 a							Waterspout		the	1100 bloc Windsor Ro	sk. Si sad 30	minute	sek w s aft	es ru	nning o down	2 feet pour b	over the bridge egan. Parts of in one hour.
	for	about 18	mimute	s by so	orma 20	d <b>,00</b> 0	spect	tors,	on the Galveston		Dar	age to sta	eets	as ext	ensiv	٠.			
	as	shaped 111	e an i	inverte	d musi	hroom	and *	bony	ut was described black." Galveston of the waterspout	Pharr Hidalgo County	A	11:30 a	nuck b	light	0 cting	and h	nocked	0 uncon	Lightning scious while
	at to	400 to 500 the water	feet,	and the	he ext	tensi oxima	on fro	the 500 fe	base of the cloud et. The concession		Wii	cing at the	be PSJ	A Righ	Schoo	aj. E	e was	revive	d at 1:15 p.m.
	ope	acor at	cowart	7.8 new	n de	scr1b	ea the	water	spout as the nd along Florida	Bastrop	13	morning		1	3	0	0	0	Flooding

																	JULY 1961
		РАТН	Ę	NO. O		MATED†					РАТН	Ē	NO. O		STIMA		
PLACE	DATE	LENGTH OF !	WIDTH OF PATH (YARDS)	KILLED	INJURED	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
TEXAS (Cont'd.)		1 1	Ī		ì	T	. 1	TEXAS (Cont'd.)					1	1			
Fluvanna Community	13 4:30 p		#2	0	0 0	4	Rain, wind, hail	Dawson County	21	2:30 p-	3	*1	0	0	2	4	Hail, windstorm
Scurry County	Up to 5.3 in County, with	ches of	rain fe	ll in	1 hour	and 45	minutes in Scurry										f Lamese and . On the Lesky
	Camp Springs	communi	ities.	The he	eavy rai	ns were	accompanied by		far	n, 5 miles	south	rest of	Lemes	a, 125	5 acr	es of	cotton were
	area.	1			7.7		a way in wi		tra on	iler on th top of a c	e Lask hicker	y farm house.	was pi At t	cked to be Sto	up, t ephen	wisted 's far	n, and slammed
Panhandle Carson County	14 6:30 p- 8:00 p		*3	0	0 4		Hail.		roa	d, a sheep imated at	barn 50 mpi	was lif . A to	ted of tal of	fits abou	foun	dation	. Winds were a suffered
	Hail up to 12 damaged grain of Panhandle.	sorghu	as in an	area	9 miles	<b>south</b>	to 5 miles east	25 M Abilene	21	ere crop d 5:24 p	anage	from th	a hail	•			Funnel aloft
	area, from th				- N	015 01	DOUGH TH CHA	Jones County		у.ш. р							LINEST STOLE
Lockney Area Floyd County	lk evening Rain, hail an	? d wind	? damaged	young 0	cotton	crops f	Rain, hail, wind from 50 to 80 per	Wichita Falls Wichita County	21	5:59 p- 6:02 p		J	i I	0	2	0	Tornado
	were not badl;	andhill,	, Lone at	tar an	d Cedar	commun1	ties. Feed grains		l Win	Mta Pallo	above	* 3 ****1	A	had at	+ ~*	4ha a4	stern part of rport, The
Near Parnell	14 8:00 p-	5	?	0	0 1	7	Tornado, hail		to:	m damaged coofs. Th	outbu	ildings ado mov	, chic	men co	oopa, he ea	and o	id minor damage d a column of tornado was
Hall County	9:00 p	anton	obile, t	truck,	and sev	eral or	tbuildings were long the ground		1 888	ciated wi as in the	En a 1	ane or	t mm de:	the c	cloud ns th	at pro	tornado was duced very heavy
	in a skipping	laction.	. Golf	ball	size hai	l sever	hearnah vie	E Hime Man .		1		aus	~ 58.				
•	Community. A	ilbrox in	ately 50	000 sto	res of c	<b>r</b> opato	et losses in an he Lakeview the south,	E Nine Mile Mountain Nolan County	21	night							Funnel aloft
	of hail damag	d southe	east rec	ceived	about 1	5≸ dama	ge. The area enty, north of	3 N Odessa Ector County and	21.	?	short	nerrow	0	0	?	0	Tornado, wind, heavy rain
iedley	Hedley.	,						Midland County	and	tore a re	of of	an out	hntlat	no an	d kad	cload	orth of Odessa
Donley County	11 8:00 p- 9:00 p	1 1	? h the ed	1	town. h		Tornado, hail away a part of the		pow at	er Line po 50 mph, up	les. roote	In both	Midla and bl	nd an	d Ode t win	saa, i	rinds measured in all sections
	roof and sidi	nde of the	he Cotto	on Com	oress bu	didine.	Several by suffered roof		a n	umber of h	omes i	n West	s of r Midlen	ain fo	ell a	t Mid to 3 s	And, flooding set of water.
	size hail ren	rees wer dered 20	re blown 200 acre	o dowon se of j	sleng t	he high	way. Golf-ball- total loss and		far	n just eas	t of 1	idland.	J. 5780	rage	tank	un the	Magnolia tank
Brisher County	damaged 20,00	nore a	acres of		on.		7-43 4-	San Antonio Bexar County	22 <b>-</b> 23	night	?	?	1	٥	?	?	Rain, flooding
-15.001 (Villa)	Hail and heav	y rain s	severely	dana.	ged your	g cot to	Hail, rain in the Hale arred to feed		at H	ouston Str	eet 1r	i dormto	Ma San	Anto	nio It	or flod	m Pedro Creek d watere result-
	grains. Dama "Marble"-size	gen to cat	otton re	anged :	Trop ()	to TOO	per cent.		lora :	DAN WAS AL	iso sum	mt into	the o	reel :	at th	- 0074	d. A 35-year- time but was downtown stores
Hale County	14 11:45 p-	1 1	*4	0	0 .2	١.	Hail, rain		and the	the San An	tonio e 1100	public block	g sent Librar of Rui	y and	vash	o some edone nches	city bus from fell at the
	12:15 p	everely	damaged	t orops	a 10 a 3	0 2170	Atrin months		the	her Bureau night of t	. Up he 23a	to 1.80 d. One	inche: bridg	OF I	rain : wash	fell i ed swa	n the city on y. Strong winds
	south and 3	et to so	Hale Ce	nter v	ss the c	ounty. herdost	An area 5 miles hit with crop		down	in the De	na en. H	rms, wi aighta	th hun section	treds	of to	rees r	eported blown
	Largest ston	d covere	ed the g	ground es in c	to a de	pth of	la inches in 2 inches.	1/2 SE Lufkin	24	12:20 p			1 [	O	n and		e Creeks. Tornado
	inches of ra	un, and	Wands 6	SECTION	ted at o	U mmoh a	companied the	Angelina County	Small:	tornado	touche	d groun	d on D	. 9. 1	Hi o'ma	∞ ለበ.	1/2 mile south -car garage.
Hookley County	14-15	16	쎈	0	0 0	5	Hall	15 NE Conroe	26	5:03 p							Funnel aloft
	sorgmin in a	n area n	ior chear	it of 1	reallan	diand	cotton and grain another area as in diameter.	San Jacinto County  10 S. Navasota	31	9			,				***
MoLean Area	15 5:40 p-	15	*8		0 5	}	Hail	Grimes County	Light	ning structury on a c	Lothes	line in	a wome	ıckvar	ሳ. በ	i i ohta	Lightning hanging up ing from the
hray County	7:20 p	s 5/8 t	nches						same	storm set	fire	to a hor	me in F	levaso	ta,	destro	ying 2 rooms.
	TTC TER DESIGNAT	cLean.	soc root	8, WILL	DOOM SCI	Béns. A	d knooked out	UTAH			None	repor	ted				
Derrousett	15 7:05 p	10	*3	0	0 4	2.	Heil .	VERMONT Southern		Midday					4	3	Lightning, wind
Lipscomb County	Hail up to 2	inches	in dia	meter tt to	fell in	an are	s from about 6		by 1	derstorms ightning cattered	und bus						arns were struck flattened crops
	averaged 12 i	Linches L		ter.	Little	demagne o	courred to crops	Bennington	ŀ	11:35 a.			0		0	4	Hail
5 S Marathon brewster County	15 7:30 p Flash floodin	?	? a. norma		0 ?	0	Flooding		Hail	up to 1"	in di	meter a	everel	y dem	aged	apple	crop.
-	mentay bridge	25 mll	es sout	h of H	darathon.	oca Wa	purit &	Barre		3 p.					3	4	Hail, rain, lightning
Parker County	16 6:00 p- 7:00 p	1 1	?	- 1	0 0	1.	Wind		by s	tones up	o 3/4	inch si	ze. H	ail c	overe	d gro	ively small area and so some walks nouse and other
	hegeri in the	area p	winds of orth of	Stimat Westh	ed at 50 erford.	յագրհան	maged corn and		base	ments and	light	ing cau	sed of	nor p	ower	failu	rea.
N Palacios atagorda County	19 9:00 a						Funnel aloft	St. Albans	18 Barn	5:30 p. roof dam	short iged.	narrow New mov	0 m hay		3 .ed 1	2 Ito th	Tornado e air.
LaMarque	19						Funnel aloft	Norton	21 One	man killed	l and ·	form and			0		Lightning
Galveston County	m							Poultney		nan Killer 1 p.		very			3	2	Tornado
Wilbarger County	21 2:00 p 7:00 p Up to 8.75 is	8	*7	0	0 2	1	Heavy rain, Flooding Oklaumion east		Circ	ular motic	n shor	narrow on by de	mage p	ath t	hroug	h cor	afields. Path of
	Red River.	least re	in rem	rtad i	in the o	-	E inches Them		dama	ge across ge to tre	one bi	illig	was on swhere	ly on in 8	e yar	d wid part	e. Windstorm icularly at
	1000 to 000 ac	maged.	Ahone	SOO ac	washed	prey a	nd more than	1 .	repo	ford and : rts of la	ge ha:	e Rives	valle	y rro	na Bet	nei t	Norwich. Some
	U. S. Highway	287	st west	of H	arrold a	r was 7	rest deep over										
	company road	through	the air	ea. C	ma hrid	76 Van 1	ashed away and oken and some										

JOLY 1961

										•									JOLY 196
			PATH	Ħ.		OF SONS		ATED†					РАТН	ATH	NO.		ESTIM. DAM		
PLACE .	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
VERMONT (Cont'd.)			!	. — I	1			1	1	WEST VIRGINIA							.—_ 		
Northern and central		Afternoon killed in		ester h	1	0 henin	4 80	2	Lightning, rain estock was killed	Mineral Wells, Wood Co.	14	11 AM					3		Thursderstorm with
	in W	estmore,	and fa	m buil	dings	were	burne	d near	Irasburg.		Twe	lve (12) h	ead of	regist	ered c	att	e k <u>il</u>	led.	severe lightning
	dama	ge and wa	repo	ted as	the	vorst	flood	local	ly since 1927. Some damages in	Charleston (	19	8 PM -		-	22	U	7		Flash flood
	othe		a coun	ties.					at Reading Hill,	•		mi.dni.ght			owned)				
Weston		Afternoon				2	0	0	Lightning		par	tially as	follow	s resul	ting	n ii	B bel	ng des:	damage listed gnated as a
	Two	suffered	burns	from li	ghtní	ng st	rike.				dam	age. anoth	er 110	0 with	minor	dama	ge an	d much	74 with major damage to
Sutton		3:30 p. destroye	by f	ire fro	0 m lig	0 htnin	8.	0	Lightning		str the	State Car	itol a	sewera nd Stat	e Offi	in ba	uildi uildi	g.	including
	li									WISCONSIN					1				
U.S. VIROTN ISLANDS			None	reporte	1					Near Medford		7:00 pm or burns	and she	ok		1			Lightning
VIRGINIA Northern Albemarle	2	2:00 p.	7	?	0	2	2	?	Tornado	Burlington	15	5: 45 ma							Hail
County									se and overturned			inch dies	peter						<del></del>
	a house trai		er, ca	bsing t	ł	, ,	j	1		Viroqua	15 Pat	3⊸4 pm h from 2 :	10 miles s	1000 W of Vi	roque	to:	near R	5 eadsto	Hail Ma. Hail
Staunton, Augusta County	2	4:00 to 6:00 p.			0	0	•4	C	Thunderstorm, hail wind and heavy rai		mos	tly small o 3 inche	alth	ngh son	e goli	e be	ll ais	a, cov	ered ground
	Ing	tning str	uck a	furnitu	e fa	ctory	, star	ting a	fire which resulte	WYOMING									
	heav								Several trees were	Casper and vicinity					cause			able f	Heavy rains lash flooding in
Lovingston, Nelson	5	8:00 p.			0	0	?	?	Thunderstorm,			er and vic			merop	s ho	1868,	cars a	nd streets damaged
County		,,					-		hail and wind.	Cody area	6	Evening				0	oi		Heavy rains
		derstorm n down, o							arge trees were hotel.		15 m	iles sout	west	f Cody	with I	nost	of th	ouing dama	in an area 5 to ge to roads, crops
Western Lunenburg	6	?			0	0	.0	5	Heavy rain, hail	Greybull and vicinity	6	Afternoon			0	0	04	С	Heavy rains and
County									and wind	0.000				howers					hail h hail caused
	crop	s, causin	gappr	oximat.e	ly \$8	0,000	damag		res of tobacco rn and garden		flat		in the	Greybu					to homes, streets,
	[ ]	s also su	ľ	(		İ				Lagrange	11	1:10 p.							2 funnels aloft
Northern Frederick County	13	4:00 p.	?	?	0	1	3	3	Possible tornado	Turk 10 H		funnels re	portec	iby Sco					
	resi	dents as	a torn	ado. I	t unr	pofed	a she	ed, car	lassified by	Lusk 19 N	17 Stro jure		eaused	an auto		2 8 ac	3 cident		Strong winds two occupants in-
		ing in al					COMOD:	ne an	flattened crops,	Sundance 8 9	17	4:30 p.	7	7		a	2	0	Tornado
35 miles southeast of Roanoke (in Franklin	13	2:50 p.			0	0	٥	0	Funnel cloud		A sa		do move	d from	west	to e	ast ac	r055 &	ranch destroying
County)		t reporte			dπον	ing s	outhea	stware	, but no damage	Torrington and vicin-	30	Afternoo	] -			0	04	С	Heavy rains and
South and southeast		5:45 p.	J	1	0	,	,	0	Funnel cloud	ity									hail. n hail caused
of Roanoke, Roanoke County	1		d was	pbserve	at sou	th of	Roand	oke by	off-duty Weather	1	flas	hflooding	with d	іападе (	o house	8,	street	s, cro	ps and farm land.
	Bure	au person 1 obscure	mel.	No dama	ge wa				ed off eastward	° Includes crop C Crop damage.	daı	mage.							
Hampton, Hampton	17	Late			0	2	?	?	Thunderstorm.	* Miles instead	of	yards.							
County	*	after-				-	, ·	'	heavy rain and	l Less than	\$50	e placed	in ca	tegor:	ies v	ary:	ing f	rom 1	to 9 as follow
	Flvi		from a	windst	orm 1	ייינו וויי	d one	man. a	and another man was	2 \$50 to \$50 3 \$500 to \$5	, 000								
	crit and	ically in struck a	truck	when hi followi	s mot	or so	ooter ains.	ski.dd Four	d on a wet road other motor	4 \$5,000 to 5 \$50,000 to 6 \$500,000 1	\$50	00,000	^						
	acci and	dents res struck se	ulted veral	from thutility	pole	ns. s.	Light	ning s	et fire to a home	7 \$5,000,000 8 \$50,000,00	to	\$50,000	,000	,					
Danville Airport,	22	2:20 p.			0	0	?	0	High winds, hail	9 \$500,000,0									
Pittsylvania County	pu					P4	<b>.</b>	<u> </u>	and thunderstorm	Note: This publi	icat:	ion cont	ains (	our bea	st in	for	matio	n on 1	storms but,
-	whic	h reached	gusts	of 60	knots	. A	carpor	t root	y strong winds caved in, size caused little	due to the diffic	ult:	ies inhe ive. De:	rent : layed	in coli data a	lecti and c	on o	of the	is typ ns wi	pe of data,
		ge, appar			HALL	51 U	-werel		Prod Guraca Tricite	ried in the June									
Buchanan, Dickenson and Tazewell Counties	31	4:00 a.			3	0	•6	C	Heavy rainstorm	SUBSCRIPTION PRIC	ore:	ign. Ch	ecks a	and mor	ney o	rdei	rs sh	ould l	be made pay-
									rtlick, Prater,	able to the Super	ibsci	riptions	shou!	ld be a	sent '	to '	"Supe:	rinte	ndent of
	doll	ars damag	e to h	omes, b	usine	ss es	tablis	ment	, highways and electrocuted by	Documents, Govern	une 11	. Printi	ug (II)	ice, i	#a <b>8</b> 011	ugto	υπ 25 <sub>1</sub>	, и. (	···
	a do	wned powe	r line	in Bar	tlick	Cree	k. 25	O fami	lies had to					USC	DMM-W	B– As	shevi	lle -	8/31/61 - 1050
	most	heavily lished an	hit by d some	the fl	awboo	ers. hich	Upwa way we	rd of re con	d Bartlick were 20 bridges were pletely washed	·									
	away			}			`												
WASHINGTON	-	<b>.</b>	١.	١	1.	l . l	l .												