U. S. DEPARTMENT OF COMMERCE

LUTHER H. HODGES, Secretary
WEATHER BUREAU
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STORM DATA

DECEMBER 1960 Volume 2 No. 12



																				DECEMBER 1960
				PATH	Ę		OF		ATED†					РАТН	E	NO. PER			ATED†	
PLACE	DATE		TIME	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF P (MILES)	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER QF STORM
L					L				-	l	KANSAS (Cont'd.	<u> </u>			<u> </u>	-	_	!	!	<u>. </u>
ALABAMA			ł	Mone	Repor	teu			ł		South Central and	1	9am 10th-				12			Glaze
ALASKA				None	Repor	ted					Eastern Counties	11	early am of 11th.							
ARC ZONA				None	Repor	ted					·	ac:	oss Kansa	the :	rest of	that	day	and er	ded ea	ed northeastward rly on the 11th. County area and
												the	ed gradna Kansas C	lly sa ity ar	stward : sa late	to Mc Satu	here day	on Cou	nty by g. Th	afternoon and in e glasing was
ARKAHBAS		-		None	Repor	ted	l					68.	tern Staf	ford,	norther	1 HcP	aerso	n, sou	theast	affected were ern Saline and and Morris
CALIFORNIA											 *	Con	nties, par vy glazin	rte of g. Oti	Johnson ner sou	n and th ce	Wyan itral	dotte count	Counti ies ha	es also reported d some glaze and
San Francisco Ba	g 1		an -		,	1	0	h	0	Wind and rain		0 m	y 3° or 4	belo	freez	ng.	Thic	oness	of the	mperatures were glaze was about about ½ inch in
Region	¥.	ind	oon damaged aircra	emall	craft,	down	ed ut	llity er of	lines, roofs.	destroyed seven		Ge:	ry County snow fol	with lowing	lesser also	depos clung	its i	n other	r plac	es. The heavy es and the rising al damage.
						ooma b	Loren	from a	farm	building.				1		1		1		he weight of the
San Bernardino, Los ingeles, Or and Riverside C	ange,	tror	g winds.	part	iculari	o in	0 the f	5 oothil	0 Land	Wind beach communities		gla	tree bra	ting s	ervice :	up to	12 h	ours o	r more	locally. Numer-
	ď	70 A.E	ed small	craf	, buil	dings	and	utili	ties.			ed	in numero	as fal	ls and	autom	bile	acc10	ents.	highways result- In the Eutchinson- re storm in 20
COLORADO	- 1	ļ		None	Repor	ted						yes	rs. Esti	sates :	of dama,	ge in	thes	e cour	ties w	as placed at about
CONNECTICUT Statewide	111-	,] ,] _{T.}	ate on			2	0	5	0	Snow and Wind	KENTUCKI			None	Repor	ted	l	Ì	Ì	}
00000	12	ti ti	he lith hru most					,		Show and write										
{	Beg	oi inni ii	f 12th Ing late	on th	e 11th	and o	onti:	uing i	hrough	n most of the 12th, 10 to 15 inch falls	LOUISIANA Jefferson, Orleans,	31	7:30-8:30	15	*40	0	0	6	o	Line squall
	8 t	o 9	inches	onnect occurr	ed and	cept over	the l	en Br igher	terra	rt and Groton where in in the Litch-	St.Charles, Lafourche Terrebonne Parishes	14.00	AM		d aboad		o]d			pidly developing
	ferl	y v	Lnds up h	to 30 l	mph wit	h son	le gus	ts of	145 mol	recorded. North- combined with low feet deep. Most		Gulf	low. It	was or	iented	NE/SW	, and	exter	ded fr	om the Houma- Pontchartrain. It
	jest	apl:	ishments	close	d. At	Least	two	death	were	feet deep. Most ols and business directly attrib-		alon	g the enti	re lin	e at ab	out t	he s	me tir	e but	Damage occurred was heavier in of a tornado as
	gne	to	a snow i	bl∝ke	d exhau	et an	d the	secor	d was	noxide poisoning the result of the near his home.		all	debris was	carri	ed in t	he sa	me ge	neral	direct	ion. There was
	ļ			,								from	the south ed as a br	and s ief ru ken fo	outheas mbling r funne	t all	alor Sn In'' A	g the all wi	"Line" sps of	. Thunder oc- cloud below main of .14 inch at
DELAWARE	}		1	None	Repor	ted					II	West	iond in Nei	⊌ []r iet	ana nre	certed	t.he	icold 1	mont.	y 30 minutes with- o west of "Line rleans were each
FLORIDA				None	Repor	ted			·		1	on lu	l.Ω. inch.	The	Climato	noid	t. est	iimated	h whind	in Metairie.
GEORGIA				None	Repor	ted				i	11	Mois	ant Airpor	t: 45 I	miles p	er na	ur or	1 sout!	draw	hour for one or s per hour at ridge Lake
			Ì									Pont.	chartrain (hour at Ci	Causew tv Off	ay; 30 . 1 ceal	miles 1 wit	per h fro	hour a	t West	End, and 24 miles Damage to homes Destrehan,
HAWAII				Wone	Repor	ted						Hara eral	han, Metai Ly when pa	rie, a rtly e	nd New nclosed	Orlea carn	ns. orts	Dama ge were n	to he	mes occurred gen- loose by trapped
IDAHO				None	Repor	ted						ing Dest	plown out rehan, 40	after homes	windows were da	on w	indwa Ti	rd sid	e blow	wall of one build- m in. In coted, signs, and
										_		tele	hone and	power	poles w	ere t	lown	down,		
ILLINOIS Entire State	20	Mn	st of			,	21	5		Snow	MAINE Coastal and southern	12-	Early	_	_		_	4	0	Snow, blizzard
	ļ		Day							ļ	interior	13	a.m. to early		. !					
	ste	110	with abo	nut 2"	of sno	in	the s	outh t	o over	is blanketed the 12" in the north- h of a line from		bliz	zard inter	sity a	long th	e co	st,	Avera	ge dep	ason reached the ranged from
	Per kil	oria Lled	to Kank and 21	akee. injur	Numer ed at v	ous d ariou	rivir s loc	g acci ations	dents arour	occurred with 7 d the state, 2		abou of t	t 15 inche he state.	s alor More	ig the control	oast ly a	to a	bout 6	inche	s in central parts s than 5 inches.
) Wav	A I	ed of he ollowing ember 29	the F	snow ar	bbbed	the	temper	ature	(A severe cold to -25 at Joliet		into	huge drift bed to 10	ts and	transp wer du	orta ing	ion i	ras pa torm.	In ma	piled the snowfall d. Temperatures my communities
] "		7	,				VISC				scho with	ol session little ac	s were	cancel in the	dow	tore town	and areas	office mail	s remained closed deliveries were
INDIANA			. 1	None	Report	ed						high dama	ways serio	nsly i tal in	ampered stallat	sno ions	cle	arance	and r	in streets and smoval. Some tide sveral fatalities
IOWA			}	None	Repor	eđ			.		Southwestern portion	due 16	to over-ex	ertion	report	ed.				
Kanere													Midday sing light	rain	glazed	much	of a	o rea.	0	Glaze
Linn County	1	101	ening t of lig	htnine	in Pr	scot	cau	sed de	mage s	Electrical t several nearby	Farmington	17 Bp	Evening t glazing	 from f	 reezing	rai		0	0	Glaze
ŧ	ho	208	. Kleck	rical	wiring	and	pp14	nces	vere t	he major loss.	i									

See reference notes at end of table.

DECEMBER 1960

	.,				<u>_</u>			-				NO.	ne T	ESTIMA	TED	•
		Ę	NO. OF PERSON			.				PATH	Ę	PERS		DAMA		CUADACTED
PLACE		(MILES) WIDTH OF PATH (YARDS)		٦ ک		CHARACTER OF	PLACE	-		LENGTH OF (MILES)	WIDTH OF PATH (YARDS)			Ě		CHARACTER OF
	E	WIDTH OF PY (YARDS)	COLLEGE COLLEG	PROPERTY	r	STORM		ш	ا س	ξĒ	34.	KILLED	NUCRED	PROPERTY	CROPS	STORM
	DATE TIME		מורפס	§ &	GROPS	Į.		DATE	TIME	TÜ.	₽ .	₫.	2	ž	ž	
<u> </u>	1	1	1 1	i ·		1						- 1	[1	ĺ	. [
MARYLAND		ione Repo	ted			ļ	MEW HAMPSHIRE (C			1				0	0	Claze
MASSACHUSETTS		1	1 1	j			Northern and eastern portions	16	Midday				_	- 1	- 1	
	12 All day - Unusually heavy		6	oarly in	0 the se	Snow, Blissard			sing rain	RIHZed	PULTER			٥		Glaze
1	severe blissard	intensity	over sa	stern sse	tions	shere storm er north-central	East-central portion	21 Free	Evening sing rain	glaze	aurfac	es 1	SCA			
	parts of the st	ate. Elsen	here, ri	th the e	ceptio	n of extreme		i i								
	mostly from 10	to la inch	A the	many eas	beavie	eas, including	NEW JERSEY							5		Snow & Strong Winds
	mostly from 10 Boston and Nant snowstorm of re- huge drifts, wh	cord Nor	theaster	ly rales	nippe	d the snow into	Statewide	11-	Bunday morning			52		۰	- 1	Show a serong winds
	Walking in such extremely diffi	constition	5 40 PA	ng pere .	Dania	ا حمت وب⊔ سا			to Monday afternoon							4 - FC
	resulted. At l	east 16 ot	her deat	hs were	ttribu	ted to over-		-	£+ _+_+	م مان است	norstor	m ac	earli	, in t.l	18 88 A	to 55 mph. The
	addittemel deat	ha ware di:	rectiv s	ttribute	ii to th	lied cars. Six		140 74	he a nami	14 of 2	A hours	or	188al	rers	istant.	for any month y strong winds
	stabled on stre	ets and hi	gimays	and thes	seric	andoned where		fore	ad much disport of traff	ifting	of the itterly	ano:	wea	her fo	g the	paralysis of all the snowstorm. Most of these
	on city streets	arance and presented	iremen	from re	pw Car	es, stranded cars the scene of a to this cause.		WAIN	due to e	posure	. exhau	stia	d. end	hear	; atta	ks from over-
	Public school 8	essiène we	rė canbe	lad [for	the er	utire week in		alt	tion. On	ly one trafi	traffic ic fate	liti	s lity	was re	rted	rom accidents on
	Boston). Trans offices remaine	portation of closed,	mas para mail del	iveries	sprorie	s, stores and layed. Tide		ioy	roads aft	er the	storm.	Pre-	Chri	tman ere c	hoppi	g was halted; Some schools
	damage to some	coastal in rable dama	stallati	ons was	reporte public	utilities was)	rem	ined clos	d for	the en	ire 1	week.			. }
	experienced. S	now eleara	ions of	removal such ear	copst8 1	nvolved in this budgetary allocs-	MEN MEXICO					Ì				
	tions by city a	ınd state a	dunis	ations.			Entire State	6-				0	1	6	0	Heavy snow and
State, except Berkshire County	16 Morning -	- -		0 0	٥	Glaze		10	1						'	glase
	of rein or snow	r: formed 1	ev commit	con souch	buria	followed occurrence es and glazed bare		Alla GOT	est contin	n the	souther	n the	oth	the St	n the ste he	d the heaviest theestern
	roads and walks	Lany sk	idding a	ocidenta	, most	minor, reported.				Page 7113	olem Al Ri	in Ann	allow T			MARKA PERSON AND I
Most of state	21 All day -	- -		0 4	0	Rain, wind,		te]	ephone li:	apponds	aSeare a qosiu	Lec's	ri cal	bossis.	mall o	re operations
						as temperatures blued to cause		901 871	re especial	lly has opls w	d hit.	90 t	or se	eref (s clos	ed at times IV tower near Several deaths
,	flooding of love	spots on	streets	and high	mays. normal	Southerly gales height. Low		Ros	mell coll injuries	t fosect	from ice	i, in tod i	jurin; njire	tily to	the	Several deaths
_	lying coastal a	reas were	f cooded	some ro	ads be	Southerly gales height. Low came impassable low areas through	NEW YORK	1		\			1			}
•	the state were	also floor	led.				Southeastern New York	١.,	2 lete		.]	1	-	. 6	1	Heavy snow, gale
Extreme north	21 Morning Pressing rain	تت وlased aur:	O Cacas at	0 0 a few p		Glaze in this area.	Boudisastern new 101k	1	11th and	ı ·	Ì	-		•		winds
	11452116 14411].			1	12th		1					
MICHIGAN		None Rep	orted	-				Hea	vy snowate	rn ext	ending	from.	Ringt	unton	to Uti	ea to Albany and Long Island and
	} }	j]]	}	}	·] .	 	New	fork City	, Sno	n depth	g raz	nded i	on 3	to 6 i	aches in north and
MINNESOTA		None Repo	orled	İ				met	ropolitan	area.	Mear t	d ale	nost c	demplet	• para	and - New York City yeas of trans- and schools closed
MISSISSIPPI	1 1	None Rep	orted		1			in	heavy snow	area,	Store	iines:	Vas	especi	ally a	evere and near
		,		ĺ			H	mar	hours,	nd dri	fts up	to 5	feet.	19,0	ф0 жох	Amen in the New
MISSOURI Richmond (SW of),	4 8:30 p.			1,		Tornado	HII	res	tore near	norma)	condit	ilons,	, 1 6	leath c	hole to	ing several days to drowning when a tion and at least
Ray County	Damage report	ed to dwel	ling and					3 6	leaths in	skiddi.	accid	lents	attr	libuted	to the	storm,
HONTANA				. [Ì			1	*	'						
Missoula County	n -		1	0		Umsually Cold	NORTH CAROLINA			Non	Repor	ted				
	1 1 1	exposure.	Pue te	tempera	1	falling to below	NORTH DAKOTA									
	sero.					1.	Eastern half state	5	all day			0	2	5		Blizzard, heavy
MERASKA		None Rep	orted				N	,	n this sta	orma sno	nu depti	ıs ra	nged :	Eron 4	12	inches, with
1.	{			. [-	1		1	ake. Hea	ous ald viest (iamage i	ine en nosti	xtend: y to c	ing fro	on Oake Idation	to Devils
NEVADA		None Rep	orted					1 (rensporta	tion f	ciliti	:s.]	Roads	n ste	odna imp	essible for
NEW HAMPSHIRE				.				'				1				
Southern portion	12- Early a.m.	- -	1	- 4	. 0	Snow, Blissard	онто		.]	No	ne Rep	orte	d	1		
	a.n.	v sporstor	n for a	early i	n the	season reached bliz-	OKLAHONA			1				}.	}	1
	sard intensity	over much	of aff	cted are	a. Av	erage depths ranged outheast to around	West half of State	9-1	10			0	0	4	0 d-more	Glaze, sleet, snow
1	6 inches over	central pe	rtions.	Amounte	dinin	ished farther north	 	i Ito	heavy and	w thro	umah 10tl	a.l G	laze :	adcumu.	idted 1	m to one-part inch
(huge drifts of	pecially 1	n south	MATERIA N.	н, ₩	iled the snow into		wit:	th greates	t lama	repor	cted	from	Blaine	, King	Pristnes decorations fisher, Major, roads brought on A
1	paralysed. It	BARY COM	unities	achbol	sessio	ns were canceled.		Ga:	tield, Wo	accid	ente wh	ich r	esult	ed in	teo de	y roads brought on a aths and several over western half
	remained close	ware desc	beobje	emained	at hom	ores and offices	1	of	the area	intlud	ing Pan	bapd l	e pod	up to	4 1BC	Des over masters
	Heavy surf por	red but the	pastal	rea, doi	ng son	d br prolonged. e damage. One death	. [[4	feet deep	in ext	rese we	stèrn	and	e cae Panhan	die se	rifted snow up to ctions. Several
ļ·	over-exertion	caused by	pushing	stalled	cars o	hers resulted from r by shoveling.	[4]	ro	ade were c	108 ed	oy drif	C#	1	į.	1 '	1
•																

DECEMBER 1960

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	T	1	E			. OF		ATED					Ξ			. OF		ATEDI	
			PATH	WIDTH OF PATH (YARDS)	PER	SONS	DAN	MGE	CHARACTER				LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	PER	SONS	DAN	AGE	CHARACTER
PLACE			F G	P SOS			E	İ	OF STORM	PLACE	ĺ		LES LES	P. C.			È	[OF STORM
	DATE	1.0KE	LENGTH (MILE	34	KILLED	NURED	PROPERT	CROPS	STORM		DATE	TIME	ξĒ	Ĕξ	KILLED	NJURED	PROPERTY	CROPS	STORM
	ă	₽	۳	¥	₹	2	8	៦	<u> </u>		ă	2	۳	¥	2	3	Ě	5]
L correct	ī	ļ	T	1	ļ. ::	J .	T.	t	I —		ī	1	1	1	1	İ	I	I	1
OREGON		No repor	t rec	eivea	ру	prin	ting	geagi.	ine.	SOUTH DAKOTA							i		
PENHSYLVAN IA		ļ	ļ		ļ				į	Southwest, Central,	١.,		ļ				١.		<u> </u>
Western Counties	1.	2 50 PM			1	5	8	1	Snowstorm	and North Central	4-7	a.m. of 4th to					4		Snow
MOSCOPIL COMICION	1		l	١		1	_	Ĺ				late p.m. of 5th							
		the prop			eg 12	C COLT	90 1AJU	7108 (nd accounted for			Storm cov	ering	entire	state	with	preci	bitati	on yielded 5 to
State-wide	11-1	noon to n	pon	·	14	16	4	l	Snowstorm			10 inches	of so	bu to t	he af	Tecte	d ares	. Hes	viest amount triangular area
		drippling	nowst	orm, ac	compa	nied	by str	ong wi	nds, paralyzed			Pierre. H	obride	e. Aber	deen-	of t	he nor	th cer	tral counties.
	00	mumities	in alm	ost all	sect	Lone	Tra	sporte	tion was severely e snowfall			drifting	of str	eets an	d hig	hways	i. Bri	DI 1991	caused extensive
Ì	me	daured up	to 15	inches	#ith	irif	ts se⊽e	ral fo	et high, forcing y to close for	[,]		rain prec	e, dri	ving co	editi	ons.	School	ls clo	sed for one to
		Mara T Mare	Mary	A SUE	aco1d	lente	_ most	v of a	minor mature.			two days,	with	27 town	s rep	brtin	g clos	ed sch	pols in Aberdeen widespread in
	th	d lives of	four	persons	s, whi	μe tι	oth oth	D. LEGS	to the storm took lities resulted	-		central a	nd nor	th cent	ral c	bunti	les. as	poles	and wires Storm produced
	Ü	om heart a	ttack	brough	nt con	ph a	depend:	tion :	in showeling snow.	1		mostly ra	in ext	se, emer	\$ tern	coun	ties w	ith ne	errow band of
Southeast	21	Morning					8		Pressing rain			No seriou	s auto	accide	nts o	pro	perty	damage	ely to the west. reported in
ļ	Du	ing early	morni	ng hour	, re	in h	tting	the o	ld streets coated crous auto	4		latter ar	both	ightnin dates a	g and nd ma	thun rked	der wi first	dely o Decemb	bserved in er occurrence
		eidents.	, 411	DI 1460								on record					ľ		
Southeast	29	Throughout	-				5		Rain & Snow	TENNESSEE			None	Repor	ted		1		
	İ	day																	
	81 m	ippery str	ests d	be to s	SOW 6	nd f	ressin	rein	resulted in	TEXAS					1		\ ·		
	-						ļ			Youkum County	6-		ļ		0	0	l l	0	Ice, mov
PUERTO RICO	Nov.				4	1	•6	c	Rain, Wind and		10 1	13 inch	anowite	11 foll	owed	by a	vere :	ce st	ors knocked down ins, Texas. In estimated
	to	1						l	Flood		Dans	go to tel	phone	lines (#11m	ted	* \$10	000.	An estimated
}	Dec.		}	l	} .	1	1	1	·		\$00 J	ires with	damage	total	ng "	hous	ands o	doll	ice accumulation ars."
	Two	cold front	s and	a polar	tro	gh c	mbine	, dur	ng the period from	Holan County	6-				0.	0	5	0	Ice, anow
	floo	nber 29 tr	ns to	Puer to	Rico	to to	Novem	er 50	infall and several		10 4n 1	oe store	iescri)	ed as 1	he s	pret		lecada	beverely
	bloc seri	ked traffi ous damage	or lo	he sout as of 1	h-eo: ife :	tern ere	por ti	n of	the Island but no		danu	ged utilii	v. lim	s at S	aatan	ter :	nd in	the K	olan County
	floo	d situation	n deve	loped o	n Dec	embe	5 an	offe	be most serious ted quite a several factors	1	8001	miation o	fas	moh as	2 in	pes :	n dia	ne ter	ed down by ine in places, with
	and	the total	THE CH	mage, 1	DOS C	11 11	ie ona	injur	to the island		Ι.	ch common	18 =0	se areas					
	The	manner in	which	the dea	ths v	ere	conseq	illus	rated this very	Bailey County	6- 10				0	0	h	0	Ice, snow
	Utue	do where t	nere w	one in ere no	rebor Jara	were	actu	l flo	landslide in d conditions.		Ice ptil	socumulati	on, fo	llowing	a be	100	mowfa	l sev	rely damaged rel electric
,	wire	which had	ectroc been	uted at broken	Vega os o	Baj: resu	when tof	he was	rone of these. rated this very landslide in d conditions. struck by a live winds which were n quite a few	il	line	s were kno	oloed o	om.					
	repo	rted to ha	ve res erto R	ched be ico. T	tweer he re	40 a	nd 50	mph.	n quite a few	Alpine, Marfa, Brewster, Presidio	7-				٥	0	h l	0	Ice, mow
									in quite a few as may be man on a motor- of the Rio Grande	Counties	7 10	oh moufal	ı mı	owed by	2070	re 1	s sto	n 180	lated Marfa,
	de L	oiza and d	rowned	. At G	urabo	, 0	omean	n 21	ears of age was affic between	ll	Texa Mari	s, with an	es of Trans	Pecos	AGLS.	of W	re abor	rt 15 : Pas of:	dles east of lected to some
	mony	towns was	block	ed and	once	ogai.	there	were	various causes. idges rendered		degr	e. Ice a	ecumi irouni	ated or	tale	phone Icine	and	cover :	ince measured in estimated
	mie.	Louns rubi	asgore	WILLE	բոοτ	ner :	section	is roux	slides blocked		200 1ce.	reet of th	e . Mari	a TV to	met e	napp	d off	under	the weight of
	the	highwoys. S which fo	In th	e Peffue oss the	las a	rea :	trong lephor	winds e ond	blew down some electric service	Anderson and	7-						1		Data Manu
	was dama	interrupte ged at Gua	din s yoma o	ome loc nd Sant	oliti o Ise	es ar bel.	d seve	r faci	lities were at Ponce-Mercedita	Freestone Counties	17	R 4		L !					Rain, flooding
}	airp	ort on the	south	coast	พอฮน	inders	oter 1	for a t	ime. There were		thro	agh 10th c	aused .	floodin	k 7-1	71b i	rith a	major	ed from 4th portion of the
	brei	minary re	norta	do not	india	0+0	bot de	move v	as extensive. ds by way of San		Comm	d damage s	af ti	in deman	-	******		++14	lamen in the
	Jun	were dela	yed by	the he	DVY I	ains	which.	closed	the airports in	"	rive	bottoms.	Ther	e vas s	one s	dnor	damage	to e	mipment,
	(dama)	ge to agri	cultur	e as a	resul	t of	the wi	nd, re	er of reports of in and floods with	Palacios (near)	27	1:00 p.							Funnel sloft
,	loss and	es claimed minor cron	to su	gar can rm road	e, po	sture e dor	s, coi	fee, st	ade trees, tobacco	Jackson County		J p.							- GENT #1016
	farm	est which work was	was sc delave	hedulad 1. Sin	to t	egin raini	had to	be po	stponed. General	Nueces and Sen	28-					- 1	°L	C	Rain & flooding
	lauc i	Pecember 4	reach	ed as h	igh a	e 17.	25 ind	hes at	Yourel in the ther stations	Patricio Counties	29 Heav	y rains of	5 to	7 inche	s 000	tere	over	Huece:	s and San
	rece	ving more	thon	14 inch	95.	The g	reates	t dail	y total was 7.78		Pate	icio Count	ies, 1	esulted	i in 🛊	u ten	rive f	atbool	of streets,
RHODE ISLAND	nen.	es at Agui	rre.					,	. !		stre	ets and hi	Spark					,,	
Statewide		Late on			0	0	5	0	Snow and Wind	UTAH			None	Repor	اما	}		.	. 1
	12	the 11th thru all							, ,				TOHA	webot.					
	Begi	of 12th mning late	on th	e 11th	and o	onti	ming t	hrougi	the 12th, the							1			
	firs	t major sr	owstor	m of th	e sea	son 1	rough	: 10-1	inches through-	VERMONT Extreme southeastern	12	Nearly		_		_	3	0	Snow, Blissard
	wind and	supto 30 to 77 moh	mph w over B	ith som lock Is	e gus land	ta to	o 50 mg ined wi	h ove	the mainland temperatures	and southern portions		all dev	****	ahtat r	1	DO-4			
	to w	hip the sn	ow int	o drift	93 t	061	eet de	ep.	s a result of as well as most	'	heav	y snow in	o pariti	drifts	. T	mper	twes	fell	to lower than 10°
	of B	lock Islan	d were	withou	t ele	ctri	power	duri	g the night.	<u> </u>	duri the	ng the ste southeast	corner	verage to are	depth und	inc	nged f	the n	piled the dry to lower than 10° pund 12 inches in arthern and western paralyzed and brunt of storm.
	and	nusiness e	stabli	shments	and	scho:	ls cl	sed.	fic postponed	1	part	s of the a	ffect s oand	d area.	Tr. Rest	nspo of s	rtatio tate e	was j	paralyzed and brunt of storm.
COURSE CARDON TWO			,,,,,,,							i						•	,	- "	- !
SOUTH CAROLINA	ı !		NUNE	REPORT	w	. [Ì		:									,

DECEMBER 1960

DELAYED DATA

								·						
PLACE	DATE	LENGTH OF PATH (MILES) WIDTH OF PATH (YARDS)	NO. OF PERSONS	2	ATED [†]	CHARACYER OF STORM	PLACE	DATE	LENGTH OF PATH (MILES)	WIDTH OF PATH (YARDS)	NO. OF PERSONS	DAW	ATED†	CHARACTER OF STORM
U.S. VIRGIN ISLANDS	Nov. 29 to Dec.			*4	C	Rain, Wind and Flood	OKLAHOMA Boise City, 7 miles southwest, Cimarron County	Apr 1 19 12 6:30		300 cead dam	0 0		0 red nor	Tornado
-	During the pe and a polar t heavy rainfal Islands with at some locat	ough in the land stronge six day reinf long of St. l	Fuerto Ric than non all total Tomas and	co-Virg	n Islands to	two cold fronts inds area brought the U. S. Virgin t twolve inches just slightly loss of life were	COLORADO Logan County	Hail acco	rnoon mpanied by	*3	O (ain, da	4 maged	Hail
	reported but was swept off escaped drown crashed throu inside. ST. any very exte section of Fr	there were set the read in ing and on St gh the roof of THOMAS Reportsive losses.	St. Croix Thomas of a house of several	and its a boulde and als operty of houses	two or was nost h	mall automobile occupants narrowly dislodged and t the four persons do not indicate looded in the low	<u> Hichigan</u> Colons	size of b to be in June 196	aseballs, the Padron	fell. :	he heavi	est cro	p dama.	at some of the
	household eff Large rocks a Harry Truman	deavy rainfal acts were rep nd other debr Rield was und	l and loss crted then is blocked crwater fo	ses of l re and : i roads or a tir	bedding in a fo and the me which	and other w other locations. me runway at th made it	Southeastern lower	14 ear nor High vir	rly rning ad blow ro	of off b	owling a	4		lightening liding igniting gas building which dis- amaged roofs of Thunderstorm with high winds & rain wins flooded and
	after the flo to concel fli sewers were b ST. CROIX: T a few acres o that the loss	dd waters had ghts. Some t locked by roc en young goat f sugar cane was minor.	subsided elephone l ks, branch s and fift were knock hoads, bo	gusty v lines we nes and teen bal ked down th munic	oinds in ore dan others by pigs but in oipal	land. Even land: Even land it necessory land and open laderis. lwere drowned and twos anticipated land secondary,	Jackson (rural area south of Jackson)	damaged 15 6:3 Tornado travelec tielly o	roads with NP 5 south of 3 I from W to lamaged.	17-33 Jackson 5 E thro	urea. U U In subur ugh 5 mi	4 ben ares	eported	Tornado 2 fumels sighted ty-two homes par-
	lighters in F sections tele Christiansted ST. JOHN: So homes. Power damage was to	and other	d. sel.ATC6	wice in la vice was suffered reported was in	alf and interior with terrupt	t was enticipated ind secondary, in a time. Two d sunk. In a few rrupted. In Inflooding. damage to a few led. The greatest	Southern lower	Entl der crop. I	mged fiel Righ winds S. A few	grain with he cattle	erops, t	led wit	it crop incomer him win 5	High winds, heavy rain & hail s and streatherry out barns, building d damaged barns. High winds, hail lightening, and
VIRGINIA State wide	11-12 Heavy snow in	the northern	7 ?	ern par	ts of	Heavy snow, sleet and freezing rain. the state brought		Severe i	thundersto coursed the me trails re damaged	res with roughout rs causi by the	high wi all of ng damag high win	nds, ha: lower M: e, barm de and l	il, hea ichigan s, home	heavy rain yy rain and light- High winds tippe and other build- ain. Amerous cat- rains damaged
	accumulations smaller accum Telephone and Traffic accid in the Richmo resulted from	power lines ents due to i	vere down	in nor were nu	freez th cen merous areas.	ing rain. tral Virginia. particularly 7 deaths	Hiles (rural area northwest of Hiles)	sands of	homes.	lines w Lighteni	ng struc	k homes uit tre	error or	f service to thou- ildings causing were damaged by
WASHINGTON WEST VIRGINIA	No rep	None report		rting	deadl	ine.	Carson City	The torn 23 6P Tornedo	nado appro ere uproot mado ereck ? traveled	abhed wi ed and s ed a bar from 1 s	th a ros everal h n. Funn 0 U	ring no cass da: ol clou 3 Carson	mged to obser	Tornado orth northeastward
WISCONSIN		None Repo	rted				Harbor Beach	overter 23 1:	y damaged, ned and da 25E	i corn	rib des	olished as sigh	and 4	n demolished, 1 sil new mobils homes Waterspout hard station moving
Southeast Wyoming	increasing wi afternoon of	the 5th. One	blowing person w	as inju of the	ling to ontinu- red in storm	Blissard superatures and od until mid- a car accident (as lessened by	KANSAS Iane County	Five pla	rncon ces suffer parts of t	hba count	v. near	Alamota	2 T. 1	Electrical (6) g the afternoon in towers were dam- f town, 2
* Miles instead of Includes crop of C Crop damage. Storm damages 1 1 Less than \$1 2 \$50 to \$500 3 \$500 to \$5,6	lamage. are placed i 30	n categorie	es varyin	ng from	n 1 to	o 9 as follows:	Sheridan and Gove Counties	25 4:00 4:30 Crops wa to south windows	p sever p mile re damaged of Grainf and car wi	al Si severel ield. I	y from a arm buil s shatte	few mi dings w red. S	les non	Hail th of Grinell to ted, roofs broken, nes were the size
\$5,000 to \$5 \$5,000 to \$6 \$50,000 to \$6 \$500,000 to \$7 \$5,000,000 to \$8 \$50,000,000	50,000 \$500,000 \$5,000,000 to \$50,000,0 to \$500,000	,000					Riley County	29 noon One larg being st	e storage ruck by li	building	in Ft.	Hiley w	se gutt	Electrical (2) ed by fire after pital bedding were ilding at Marshall
Note: This public due to the difficu it is not all-incl ried in the June a	lties inher usive. Del	ent in coll ayed data a	ection o	f this	type will	of data,	Marshell County	29 noon A church to the to	in Maryay ower, east	ille was wall ar	struck d roof.	by ligh	tning.	Electrical Damage was done
SUBSCRIPTION PRICE domestic, \$2.00 fc able to the Superience regarding sub Documents, Governments, reign. Che Intendent of oscriptions	cks and more Documents. should be s	ey order Remitt ent to "	s shou ance a Superi	ald be and co Intend	e made pay- orrespond- lent of	Near Butte, Silver Bow County	blown ove	p.m. ut 3 miles	ted are	a, Some	n. A la	ijoff l	Tornado ber of trees o feet from	

																			DELAYED DATA
			PATH	Ę		OF SONS	ESTIM DAM						PATH	Ę		OF SONS		ATED!	
PLACE	DATE	TIME	LENGTH OF (MILES)	WIDTH OF PATH (YAROS)	מורופס	MAURED	PROPERTY	CROPS	CHARACTER OF STORM	PLACE	DATE	TIME	LENGTH OF F	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
SOUTH DAKOTA North Central	1	1960 Evening					4	5	Hail, electrical, wind	SOUTH DAKOTA (Con Central	at'd 25		.				4	6	Hail, wind, elect-
	16 mi scatt cause forme to an	les long ered area d heavy to r county, tomobiles n unrenor	and 2 s of 0 o tota repre , wind	miles worker of the continue o	ide i cunty of cr abou buil	n Edr ops (t 20 dings	mmds (ill the m some 000 ac	ounty size forty res. red in	ed in an area and also in of golf balls farms in the Extensive damage the Ipswich area Lightning-caused	,	Stru Cour cent ball	ck north ties also ral repor -sise hai	entra affec ted he 1. Un	l count ted. A avy to reporte	tota total total	Ares l of loss ber c	s of E some 6 es of f chic	ennett O farm corn s kens n	by high winds, and Heakon s, mostly in north nd grain from golf ear Hoven, Walworth hail in Bennett
	fire McLen Winds	destroyed ghlin, Co	800 t rson 0 large	alesof cunty.	hay s Light	nd be	lt dan damage	aged t	ome, both near sated near \$1,000. and caused some		Cour Cour Edm Hom	ty. High ty. Ligh nds Count	winds tning- y. Li and li	oblite; caused; ght hai ghtning	rated ire l dam	hay destr age t	stack oyed l	at Pol arge h s was	lock, Campbell ay stack at Bowdle, reported in Bon y County in south
Beadle, Spink and Hamlin Counties	Spink	County a	ed fir	aged gr	ain s	toras	e eler	ator s	Electrical y at Redfield, t Broadland,	Grant County	28	After- noon	10	2*	dem	age t	4	5 n. 11a	Hail
Campbell and Crant	2	d structu Early A.	ral da	mage to	two	homes 1	in Be	tellir 5	east lightning e, Hamlin County. Hail, wind		in a Leav brok	rea north es on cor	of Mi n plan size	lbank a ts were nail.	nd no stri build	rthes pped ings	sterly and st and ca	to Bi alks s rs als	g Stone Lake. plintered or o suffered con-
	Big S some	Pollock, tone Lake 15 farms and one	Campbe and C in an person	ll Coun rtonvil B mile injure	ty in Le ar strip d by	the ea of suff hail	north Minne ered m	centre sota. oderat ausht	separated areas: 1 section and near In Pollock area e to total loss of in field. Damage	ARKANSAS DELAWARE		. 1960		REPORT					
Philip, Haakon County	Big S	ncows and	build hail	ings al	o oc n vin	curre ds da	dOr maged	South crops	Dakota side of and trees in small	KANSAS Much of eastern half	Nov.	1960 .1960 6:00 PM=	mone	Repor	.ea	5	6	3	8 tornadoes, 6
	Fire :		from of #1 of fir	lightai 500. T	ng bo his w	lt de as se rm ir	stroye cond h ten d	d 30 t aystad ays.	ons of hay for k destroyed by	of Kangas	28	15:30 WK	pass	ing ser	oss t				funnel clouds, 1 electrical, and munerous local severe winds, t to east caused
Marshall County	Light of Br	P.M. ning-cau itton. me area.	ed fi	re dest	oyed	stad ints	3 k of a vere r	bout 2 sports	Blectrical O tons of hay east d killed by bolt		min noo Kar lin 10:	or damage n but dev sas, caus e reached 30pm near	in a loped ing lo the M	number More so ally so issouri	of w vere vere bord	prop dama or ab	n coun ortion ge fro out 10	ties 1 s abou m then :00pm	ate in the after- t opm in central till the squall near St. Joseph, th in extreme south
Kingsbury County	'n	Early A. M.	₹her 1	l obstantan			4	4	Electrical, hail		Sev	t Kansas. ere e west ce:	West	und nort	hwes	t vin	ds cau	sed th	e most damage. In riven into wire were laid flat.
Lincoln County	повлу	d several 2 miles crop dan	hogs squar	one h	rse of Ar	nd to			Smet, Loss in- ail struck area in moderately	,	roc 688 Ver	Ken trees fed house: t from Sco e estimate addition	tran dam ott Con ed at	mission ged signify to elocition	ns we the les re	ee an ere r (1880 ungin	d pole eporte uri li g from all li	s, blo d from ne. T 60 to	on down sheds, un- many localities ornadic like winds 85 miles per hour.
		noon	avy h	il dam of Len	uge to	gra Hail	n and stone	corn repo	Hail, electrical crops occurred on rted of golf-to appliances and		ons:	n south co tern Brown	ntral and I	Kansas on iphas ornado	north Cour	ties ties	vard t • least	Mars	nall County and in
Walworth County	15	Evening		100000	1		4	4	Hail		far	PNA sma a few m: up roots	ll to les no	nado pe rthwest severa	ssed of S shed	betw pear is da	een th ville mged.	hous In For	e and barn on a l County. Trees in western Rice
Central and Northeast	16- 17	P.H. om 16th to	o cro)8,	or S	TOÀ I	3	6	with moderately		tree	ity tearings. 5:30pm=	g off	a corne	r of	the	barn a	ան արջ	ooting several
	A bro	and then	into t	he nor	heast	զատաբ	ter 🕸	us affa	ne North Dakota	,	loud	988 Kin <i>o</i> m/	heard	to wool	dua t		4 174		dic action. The
	of th McPte Day &	ng from 2 e followi reon in t Roberts	5 to 1 ng cou he cer in the	00 per inties: itral the north	cent Trip ird s	occur p, so nd Sp puarte	red d mes, oink,	i nume liebaci brown, strip	lamage to crops rous farms in each , Walworth and Clark, Marshall, 50 miles by 2 100 per cent		M1 14	unnel clor ss east of 7:30PM	McPhe	rson, d	ausib	e da	nage a	2 or	momentafily 4 3 nearby farms.
North Central	24 1	e to crop Early P.M.	s by b	ail.		-	4	5	Hail, wind, elect-		part east	of Heria	gton i quall ingman	n Dicki that ca Reno	nson used and	Count dama	y. T	is app	ears to have been or County north-
	Campbe of or & wind	County, 6: ell Count ops, alth- droved grain in Miller	ast of y. Ab ough s ain sc	Selby, out 15 ome dam attered	Walk farms age d and	orth repo us to broke	County rted very n and	end n O to 1 high w	heast of Miller, lear Herreid, .00 per cent loss inds. Hay bales y blown over by tack near Miller		A we Clou acro	d County 88 the cl 0 300 yar	near t ty aln ds wid	he airp Ost par e and	ort allel mil	nd f to es la	llowed lighway ong thr	lanor #81 ough	e of Concordia in th northeast path The path was he city. In and
Vivian, Lyman County (near)	hail i	oss or ap	ding i	ooo, A n alfal	floo fa fi	k of	Jacob Jacob Jacob Jacob	nore icial mty.	gulls killed by measurement of Tornado, hail		farm mino ed m	building r damage: a jor dama affected	a y no s were and go and	destro destro 2 busin 15 min Derson	mejo yed, ess b or da	r dan 10 su uildi mage,	ings vi	nd 150 major ore des oximat	minor damage; 2 damage and 10 troyed, 10 sufferedly 180 families
	roved panie	bay and	s on b grain (path	eparate were bli dimens:	fara own a ions	s. S way f inclu	ome 50 or tot de bot	0 acre	o farm buildings s or more of wind- s. Hail accom- omena) and com-	*	of h	OF ORBIA.	The D	lation	A CLASS	ara E	o hell	dtnes	on lines were way and many win- was the unroofing homes were badly es were estimated

DELAYED DATA

-			РАТН	F		OF SONS	ESTIM/ DAM		1
PLACE	DATE	TIME	LENGTH OF !	WIDTH OF PATH (YARDS)	KILLED	INJURED	PROPERTY	CROPS	CHARACTER OF STORM
_KANSAS (Cont'd.)									
		8#00PH-							
,	A f								h of Mulvane in
	Con	nty. Ite	north	est par	h wa	abo	ut 22	miles	ngusta in Butler long and at 1 point
	an	area abou	5 mi	Les eas	of:	lu iva	be. S	bas sad	test damage was in ditional damage
	the	point of	incep	tion 3	biles	Bout	h of H	ulvane	of Rogalia. Near a car was blown
	fro	m the high	way a	nd the	C GCC	upant eral	s inju head o	red. f live	Numerous farm stock killed. This
	app	ears to h	ave be	en part ing nor	of a	sque	ll lin oss Ha	e orig	inating southeast Sumner and Butler
		nties.		"		1			
		8:00PM- 8:20PM				l	4		
	Der	age from	a torn	ado ext	ended	inte	rmitte	ntly 1	rom about 2 miles
	So:	thwest of inty. Vio	Greno Lent w	la to a inds da	few maged	niles many	north build	east d ings,	f Howard in Elk trees, and trans-
	min Wal	sion line d across	s alon Elk, W	g this	Eaupa Mooda	l lin on ar	e from	Cowle	f Howard in Elk trees, and trans- y County northeast- ties.
			l .	al esti	1		1	ı	\$535,000.00
	In	addition	l	ļ	1	ļ	i	1	al areas of severe
	to	egamabuh nadosa or	ith s	ome evi Funnel	cloud	s of	tornad	ic act	al areas of severe ion from incipient to earth as
	fol	lows:	- L						
	A s	6:00PM evere win	d dana	ge path	exte	nded	from a	outhwe	st Pratt County to
	ce:	tral Staf	ord C	ounty, Indicat	Debr	to le	ft in c effe	a circ	st Pratt County to plar pattern and
		6:45P#	-			1			
	Ve	7:00PM	Count	v. 410	NO A	nath	from A	rlingi	on to Nickerson
	nu	erous bar	s and	sheds	ere	nroc	fed.	A numi	er of large trees ic roar was heard injured by flying
	at del	several p	oints tchine	along t	he pa	h.	A wome	n was	injured by flying
		9:15PM-		ļ .			5		
	Wa.	10:30PM			۱. ۲.				Y
	wie	e spread	evere	wind d	amage	BCT	ss the	Be COL	In addition to the inties, there were
	efi	ects of w	ndovs	blown	eut,	doors	blow	open	nties, there were numerous explosive or off eliding
	At	Axtell th	trun	k door	L OA	torror	407 0	thriftair.	out on all sides. ucked open and re-
	ro	med oast	the ca	r's top	†			!	
}	Joi	10:30PH maon Coun	y. A	corner	of 1	De H	adow 1	rook .	r. High school was ansas by what was
	ter	n off and med a nea	a hou	se unro	ofed local	in Ka	nsas (lty, I	ansas by what was
		11:00PM				1			
	Cra pe	orlord Cou	nty, s Litabu	dme loc		page beari			Girard, Many
	ai	plane" f	ring 1	ry lo	4]			
ļ			Part	lal est:	Lhate	1 Win	d dama		qperty \$208,850.00 crops\$ 1,200.00
		7:00PM	,		ŀ		3	_	1,200,00
	Re so		Ligh	ning s	ruc	a f	arm no	000.0	rthwest of Hutchin-
-		9:30PM			T"		ļ. 4 7		•
	Le	10:00PM	tones	Dut fe	١.,	nımb	1		Hail roofs in Doniphan
}	Con	inty.				1		1	
	to	mailroad b	ex car	was dr	Ten mil	by t	he str	nter	st wind from Ellis Pacific tracks.
1	"					1. "		400	POLICE PROCESS
MARYLAND	Nov	1960							
Fritztown, 2 miles	19	2:30PH	ı	20-50	0	0	3		Incipient Tornad
south of Unionville, Frederick County	1.0	ntense t	nnde	stora	4000	pan	led by	a se	ore didators
	OAS	term sect	LOR O	I Frede	plen rick	Cou	aty ri	pping	put trees and
	ATQ	th. The	eterm	Moved	ros	Wes	t to e	est.	through an out trees and 0-50 yards in Thunder and cain occurred alunte or two-
!	dur	ntming print ing the t	viste	the s	las	ted :	or on	ly a	min occurred minute or two.
	Han the	ground.	Shee	ts of	os i	n di	meter orm fr	Aele	ripped out of idding were A piece of the side of
	lus	ried as i	2 x	a hali	mil w	d dr	the w	inds.	A piece of the side of
	1 * *	dogen bor	ce es	pr it	þeq	4002	ражне	qed i	like a nail.

USCOMM-WB-Asheville - 2/1/61 - 1050